The UCF Creed

Integrity, scholarship, community, creativity, and excellence are the core values that guide our conduct, performance, and decisions. These values comprise the guiding principles that direct the actions of the University, its students, and its employees.

**Integrity**
I will practice and defend academic and personal honesty.

**Scholarship**
I will cherish and honor learning as a fundamental purpose of my membership in the UCF community.

**Community**
I will promote an open and supportive campus environment by respecting the rights and contributions of every individual.

**Creativity**
I will use my talents to enrich the human experience.

**Excellence**
I will strive toward the highest standards of performance in any endeavor I undertake.

PEGASUS was the winged horse of the muses in Greek Mythology. It carried their hopes, their aspirations, and their poetry into the skies. PEGASUS is as futuristic as tomorrow’s space exploration in our solar system and into the universe beyond. The seal also bridges the gap between the humanities and space technology.

UCF Stands For Opportunity
Mission Statement

The University of Central Florida is a public multi-campus, metropolitan research university that stands for opportunity. The university anchors the Central Florida city-state in meeting its economic, cultural, intellectual, environmental and societal needs by providing high-quality, broad-based education and experienced-based learning; pioneering scholarship and impactful research; enriched student development and leadership growth; and highly relevant continuing education and public service initiatives that address pressing local, state, national, and international issues in support of the global community.
Welcome to the University of Central Florida!

UCF stands for opportunity, and many possibilities for professional and personal growth await you. Work hard in your classes and participate fully in extra-curricular activities, and you will be rewarded with an excellent education along with experiences that will enrich your life.

Our classrooms, laboratories, and studios provide excellent venues for academic growth. But you will also learn important lessons when you volunteer to help others, play sports, get involved in student government, and participate in any of the numerous clubs and organizations on campus.

This is an exciting time to be a student at UCF. Our academic programs are setting the standard for institutions of higher education, our faculty members are nationally renowned for their teaching and research, our academic service-learning program is among the largest in the nation, and our athletic teams compete with the best in the country.

As you seize the opportunities at UCF, focus on reaching your full potential. Make the UCF Creed an integral part of your value system: practice personal honesty, cherish learning, respect the rights of every individual, enrich the human experience, and strive toward the highest standards of personal performance. In short, conduct yourself on campus and in the community to bring distinction to you and to our university.

UCF faculty members and staff members are here to help you to learn, to grow, and to excel. Upon graduation, you will join the more than 250,000 alumni whose lives have been enhanced by their UCF experience.

I wish for you much success and happiness during this coming year. Enjoy UCF, and go Knights!

Cordially yours,

John C. Hitt
President
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Director, Facilities Planning and Construction ......................................................... Bill Martin
Director, Landscape and Natural Resources ......................................................... Patrick Boothen
Director, Parking and Transportation Services ......................................................... Kris Singh
Director, Purchasing .................................................................................................. Gregory Robinson
Director, Resource Management .............................................................................. Montel Watson
Director, Utilities and Energy Management ............................................................. Curtis Wade
### 2016 SUMMER ACADEMIC CALENDAR

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<td>May 18 - June 26</td>
<td>June 29 - August 7</td>
<td>May 18 - August 7</td>
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<td>6 Weeks</td>
<td>6 Weeks</td>
<td>12 Weeks</td>
<td>9 Weeks</td>
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**Application Deadline for All New Undergraduates**
- March 1

**Application Deadline for Readmission**
- April 1

**Application Deadline for Graduate Programs Without Deadline**
- April 15

**Graduation Application (Online Intent to Graduate Form on myUCF)**
- Mar. 7 - Apr. 26

**Registration on myUCF**
- Mar. 14 - May 13

**Registration for State Employees, UCF Employees, UCFAA Employees, Non-Degree, Transients, and Audits (begins 3:00 p.m.)**
- May 13

**Registration for Senior Citizen Audits (begins 3:30 p.m.)**
- May 13

**On-Campus Housing Opens**
- May 15

**Classes Begin**
- May 16

**Faculty to Confirm Academic Activity in Each Class**
- May 16-20

**Late Registration on myUCF (ends at 11:59 p.m. on last day)**
- May 16-20

**Last Day for Full Refund**
- May 19

**Drop/Swap Deadline on myUCF (ends at 11:59 p.m.)**
- May 19

**Add Deadline on myUCF (ends at 11:59 p.m.)**
- May 20

**Payment Deadline**
- May 27

**Housing Payment Due**
- May 27

**Grade Forgiveness Deadline on myUCF (ends at 11:59 p.m.)**
- June 9

**Withdrawal Deadline (ends at 11:59 p.m.)**
- June 9

**Last Day to Reinstatement Drop for Nonpayment Classes (ends at 4:00 p.m.)**
- June 17

**VA Deferral Payment Deadline**
- July 29

**Classes End; Last Day to Remove Incomplete**
- June 24

**Final Examination Period**
- Given during the last class meeting

**On-Campus Housing Closes**
- June 25

**Grades Due in myUCF (noon)**
- June 29

**Grades Available on myUCF (begins 9:00 a.m.)**
- July 1

**Commencement**
- August 6

**NOTE:** Dates are subject to change. Consult the online Academic Calendar ([http://calendar.ucf.edu/](http://calendar.ucf.edu/)) for information.

All new undergraduate degree-seeking students **are required** to attend Orientation prior to registration. Information on Orientation is mailed to all students upon acceptance to the University.

If possible, examinations should not be scheduled on days or during times of religious holidays. Students are expected to notify their instructor in advance if they intend to observe a holy day of their religious faith. For additional information, contact the Office of Diversity and Inclusion at 407-823-6479.

1 $100 Late Registration Fee applies to students who enroll following the close of Registration or who enroll for the first time that term during Late Registration.

2 $100 Late Payment Fee applies to students who do not pay their fees or do not pay their fees by the due date.

3 Incomplete grades must be removed within one year of the last day of the term or prior to graduation from the University, whichever comes first, else they will change to “F”.

### University Holidays and Special Events

- **Memorial Day Holiday** ................................................................. May 30, 2016
- **Independence Day Holiday (observed)** ........................................... July 4, 2016
### 2016 - 2017 FALL/SPRING ACADEMIC CALENDAR

<table>
<thead>
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<th>Fall 2016</th>
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<td>Application Deadline for Undergraduate International students</td>
<td>March 1</td>
<td>September 1, 2015</td>
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<td>Application Deadline for New Undergraduate Freshmen Applicants</td>
<td>May 1</td>
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<td>Application Deadline for New Undergraduate Transfers</td>
<td>July 1</td>
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<tr>
<td>Application Deadline for Graduate Programs Without Deadline</td>
<td>July 15</td>
<td>December 1, 2015</td>
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<td>Graduation Application (Online Intent to Graduate Form on myUCF)</td>
<td>June 27 - August 12</td>
<td>Oct. 12 - Dec. 4, 2015</td>
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<td>Registration time for State Employees, UCF Employees, Non-Degree, Transients and Audits (begins 3:00 p.m.)</td>
<td>August 19</td>
<td>January 8</td>
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<tr>
<td>Registration for Senior Citizen Audits (begins 3:30 p.m.)</td>
<td>August 19</td>
<td>January 8</td>
</tr>
<tr>
<td>On-Campus Housing Opens</td>
<td>August 19</td>
<td>January 8</td>
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<tr>
<td>Classes Begin</td>
<td>August 22</td>
<td>January 11</td>
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<tr>
<td>Late Registration on myUCF (ends at 11:59 p.m. on last day)</td>
<td>August 22-26</td>
<td>January 11-15</td>
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<td>Drop/Swap Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>August 25</td>
<td>January 14</td>
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<td>Last Day to Drop for Full Refund</td>
<td>August 25</td>
<td>January 14</td>
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<tr>
<td>Add Deadline on myUCF (ends at 11:59 p.m.)</td>
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<td>Payment Deadline on myUCF (ends at 11:59 p.m.)</td>
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<td>Housing Payment Due</td>
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<td>Last Day to Reinstatge Drop for Nonpayment Classes (ends at 4:00 p.m.)</td>
<td>October 31</td>
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<td>Veterans Affairs Deferral Payment Deadline</td>
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<td>May 5-7</td>
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### University Holidays and Special Events

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<td>Labor Day Holiday</td>
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<td>October 9-15, 2016</td>
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<td>Homecoming Game - vs. Temple</td>
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<td>Martin Luther King Jr. Holiday</td>
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<td>Spring Break (campus offices still open)</td>
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<td>Founder’s Day Honors Convocation (classes still held)</td>
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</table>
Undergraduate Academic Policy Statement
The University of Central Florida may change any of the announce-
ments, information, policies, rules, regulations, or procedures set forth in the Undergraduate Advising Guide and the Undergraduate Catalog. The Undergraduate Catalog is published online once a year and cannot be regarded as an official and modified regulations. Statements in the Undergraduate Advising Guide and the Undergraduate Catalog may not be regarded in the nature of binding obligations on the institution or the State of Florida. While every effort will be made to accommodate the curricular needs of students, limited resources may prevent the University from offering all required courses in each semester or in day and evening sections.

Students will be held accountable for the requirements, policies, and procedures described in the Undergraduate Advising Guide and the Undergraduate Catalog. Additional information or clarification of any policy or procedure may be obtained from the specified office.

Non-Discrimination Policy (including sexual harassment)
The University of Central Florida values diversity in the campus community. Accordingly, discrimination based on race, color, religion, sex, national origin, age, disability, marital status, sexual orientation, gender identity, gender expression, or protected veteran status is prohibited.

Sexual harassment, a form of sex discrimination, is defined as unwel-come sexual advances, requests for sexual favors, or verbal or physical conduct of a sexual nature when:
1. Submission to such conduct is made either explicitly or implicitly a term or condition of an individual's employment or enrollment;
2. Submission to or rejection of such conduct by an individual is used as the basis for employment or enrollment decisions affecting such individual; or
3. Such conduct, due to its severity and pervasiveness, has the pur-pose or effect of substantially interfering with an individual's work performance or enrollment, or creating an intimidating, hostile, or offensive working or academic environment.

Most UCF faculty and staff members, including all professors, are required to report any information indicating that a student may have been subject to sexual harassment including sexual assault, dating or domestic violence, and sex-based stalking to a university Title IX coordinator so that the university may take appropriate action. CAPS staff and Victim Services staff are generally not required to report such information to the university. More information about resources and reporting options for sexual harassment and related policies are at http://shield.ucf.edu.

All forms of discrimination on the above bases, including sexual harass-ment, are strictly prohibited. Occurrences will be dealt with in accor-dance with the guidelines above and University regulations. Penalties for engaging in discrimination may include expulsion or termination.

Retaliation against a person who reports discrimination or who serves as a witness in a discrimination investigation is also prohibited and subject to the same penalties.

Employees, students, visitors, or applicants for employment or admis-sion may obtain further information on this policy, including grievance procedures, from the Office of Equal Opportunity and Affirmative Action Programs (EOAA). The Director of EOAA is responsible for concerns in all areas of discrimination. The Director is also the Title IX Coordinator. The office is located on the Orlando campus, in Millican Hall 330, Orlando, FL 32816-0030. The phone number is 407-UCF-1EEO. Policies and guidelines are available online at http://www.eeo.ucf.edu/

Drug-Free Workplace/Drug-Free Schools Policy Statement
Standards of conduct and disciplinary sanctions will be imposed for the unlawful possession, misuse or distribution of illicit drugs and alcohol by UCF students and employees on UCF property or as part of any of its activities. The unlawful manufacture, distribution, dispensation, pos-session or misuse of a controlled substance, prescription medication or the unlawful possession and use of alcohol is harmful and prohibited in all areas of UCF and controlled property or as part of any of its activities. Any UCF employee or student determined to have violated this policy shall be subject to disciplinary action for misconduct, which may include termination/expulsion and referral for prosecution. No employee/student is to report to work/class or attend any University activity while under the influence of illegal drugs or alcohol. Violation of these policies by an employee/student will be reason for evaluation/treatment for drug/alcohol disorder and/or for disciplinary action up to and including termination/expulsion and/or referral for prosecution consistent with local, state and federal law.

Campus Alcoholic Beverages Policy
The sale, service, distribution, possession and consumption of alcoholic beverages is prohibited unless the organization complies with state and federal laws, city and county ordinances, and the licensing agreement with on-campus distributors which allows for the sale and service of alcoholic beverages. In addi-tion the University has formulated the following policies governing the sale, service, distribution, possession and consumption of alcoholic beverages on campus. Refer to University of Central Florida Policy “Alcoholic Beverages on Campus” 3-115.1 and University of Central Florida Regulation “UCF-4.035 Alcoholic Beverages on Campus” for further information.

Guidelines
The sale, service, and distribution of alcoholic beverages to persons younger than 21 years of age is prohibited. Possession or consump-tion of alcoholic beverages is prohibited by persons younger than 21 years of age.

Possession and consumption of alcoholic beverages in open or unsealed containers is prohibited except in designated areas or as approved with special events.

Individuals are responsible for their actions regardless of their mental or physical state as it may be affected by mind-altering chemicals such as alcohol and other drugs.

Student organizations may develop more stringent regulations regard-ing alcohol use.

Locations
The sale of alcoholic beverages to individuals of legal age will be per-mitted in licensed areas by licensed on-campus distributors. The sale or service of alcoholic beverages to individuals of legal age will be permitted at other select campus locations for catered functions by properly authorized distributors. The serving, distribution, possession or consumption of alcohol by individuals of legal age may be permitted in private residential rooms in the residence halls and other on-campus or affiliated housing unless otherwise prohibited by the governing organization. Consumption of alcoholic beverages in public or common areas within on-campus residential units shall follow guidelines provided by their governing organization, and local, state and federal law.

Approval Procedures: Student Groups
Prior approval for students or student organizations to host an event where alcoholic beverages are present in non-licensed campus loca-tions must be obtained from the Director of Student Leadership Programs.

The following information must be supplied by the student organization and approved by the appropriate university officials, no less than 15 calendar days prior to the event(s). These arrangements include but are not limited to: sponsoring organization and nature of event; date, begin-n ing and ending times, and location of event; number in attendance and method of registering guests; method of designation for those of age/underage; contained area where alcohol consumption is permitted; type of alcohol along with food and alternative non-alcoholic beverages to be provided; method of security including number of campus police officers; person to be contacted at event in case of questions or problems.

Approval Procedures: Non-Student Groups
When an event is properly scheduled to take place in a location for which a campus concession holds a license, alcoholic beverages are to be sold through the concession and their license. Groups or organizations who seek to sell beer or wine along with a non-alcoholic choice at other locations on campus must obtain approval to secure a beer or wine license from the Director of Business Services prior to making application for the license. With approval the license is then to be obtained from the organization from the Alcoholic Beverages and Tobacco Division of the Department of Business Regulations of the State of Florida. Off-campus groups or organizations who seek to serve alcoholic beverages in a location and situation which does not require a license must obtain prior approval to serve alcohol on campus from the Director of Business Services.

For the complete and definitive version of the Drug-Free Workplace/ Drug-Free Schools Policy Statement, please go to: http://www.goldenrule.sdes.ucf.edu/
Academic Behavior Standards
The University of Central Florida is committed to a policy of honesty in academic affairs. Conduct that comprises a breach of this policy may result in academic action, disciplinary action, and/or program action. Academic action affects student assignments, examinations or grades. Disciplinary action may affect student enrollment status. Program action may affect the student’s status in a specific program of study. Academic Misconduct includes but is not limited to cheating, plagiarism, misuse of sources, assisting another in cheating or plagiarism, and commercial use of academic materials. The violations of student academic behavior standards on the undergraduate and graduate level are listed and defined in the Rules of Conduct in The Golden Rule Student Handbook.

Note: A student who has assisted another in any of the aforementioned breach of standards shall be considered equally culpable. In cases of cheating or plagiarism, the instructor may document the incident and choose to take appropriate academic action ranging from loss of credit for a specific assignment, examination, or project to removal from the course with a grade of “F.” Additionally, disciplinary action may be taken through the Office of Student Rights and Responsibilities, which may result in punitive and education sanctions, as outlined in The Golden Rule Student Handbook. Students found in-violation of Academic Misconduct will receive a Z designation that would be included with the earned grade on transcripts, designating that academic dishonesty occurred. Information regarding the Z designation, its application or removal from a transcript can be found in The Golden Rule Student Handbook.

Student Use of Technology
The University of Central Florida expects all students to have ready access to a personal computer and software appropriate to his or her field of study. Students can meet this expectation by purchasing or leasing a computer, sharing a computer with family or roommates, or using a UCF computer lab. All UCF students should expect to use a personal computer in many University activities, including coursework, accessing library information, registering for classes, emailing correspondence to instructors or fellow students, or taking online classes. In addition, many UCF courses require the use of the Internet.

The University of Central Florida has developed one of the nation’s most advanced campus technology environments, and all UCF students are provided free Knights Email accounts and Internet access. Students wishing to acquire a personal computer are strongly advised to consider a laptop. Laptop and PC recommended configurations can be found at http://cstore.ucf.edu/college.html.

Undeclared Policy
All students at the University of Central Florida are expected to officially declare a major prior to earning 45 college credit hours (this includes credits earned from CLEP, Dual Enrollment, AP, and IB). An administrative hold to prevent future university registration will be placed on the records of all students that have not declared a major. Students must meet with an academic advisor (within Student Development and Enrollment Services, the Colleges, or Regional Campuses) to have the hold released.

Student Responsibility for University Communication
UCF uses email as the official means of notifying students of important information concerning registration, deadlines, financial assistance, scholarships, student accounts (including tuition and fees), academic progress and problems, and many other critical items. The university sends all business-related and academic messages to a student’s Knights Email address to ensure that there is one repository for that information. Every student must register for, and maintain, a Knights Email account at http://www.knightsemail.ucf.edu and check it regularly to avoid missing important information from the university. Any difficulty with establishing an account or with accessing an established account can be resolved through the UCF Service Desk (servicedesk@ucf.edu or 407-823-5117).

Additionally, each student must have an up-to-date emergency email address and cell phone number by which they can be reached in case of an emergency on campus. This emergency contact information will be used only for emergency communication purposes. Also, both permanent and local mailing addresses must be on record, so that any physical documents that must be mailed can be delivered.

It is critical that students maintain and regularly check their Knights Email account for official announcements and notifications. Communications sent to the Knights Email address on record will be deemed adequate notice for all university communications, including issues related to academics, finances, registration, parking, and other matters. The University does not accept responsibility if official communication fails to reach a student who has not registered for, or maintained and checked their Knights Email account on a regular basis. Please ensure that this information is current and that any changes in contact information are made online through the myUCF portal at https://my.ucf.edu.

Complaint Policy
The University of Central Florida supports the right of students to file grievances, lodge complaints, and make appeals in a safe environment free of fear, retaliation, or other adverse consequence. The University has a number of offices and committees that are responsible for implementing the institution’s established procedures for addressing written academic and non-academic student complaints.

In most cases, the recommended strategy for complaints of any nature is to ask the concerned individual to first contact the person or office most directly connected to the issue, unless there are compelling reasons not to do so. If the concerned individual does not want to contact a faculty or staff member directly, he or she begins with the next highest level of authority, which typically is the department chair or director. If the problem or complaint is unresolved or the individual is not satisfied with the determination, he or she may file a written grievance or appeal in most cases. Specific procedures included are in specific sections of the Catalog and The Golden Rule.

Accreditation
The University of Central Florida, a member institution of Florida’s State University System, formerly was named Florida Technological University. The name was changed by action of the Florida Legislature on December 6, 1978.

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

Please note the commission’s expectation that contact occur only if there is evidence to support significant non-compliance with a requirement or standard. For other information about UCF’s SACSCOC accreditation, please contact the university’s SACSCOC liaison in UCF’s Office of Academic Affairs.

<table>
<thead>
<tr>
<th>College/Discipline</th>
<th>Accrediting Body</th>
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<tbody>
<tr>
<td>Arts and Humanities</td>
<td>National Association of Schools of Music (NASM), 11250 Roger Bacon Drive, Suite 21, Reston, VA 20190-5248</td>
</tr>
<tr>
<td>Business Administration (all disciplines)</td>
<td>The Association to Advance Collegiate Schools of Business (AACSB International), 777 South Harbour Island Blvd., Suite 750, Tampa, FL 33602-8730</td>
</tr>
<tr>
<td>Education and Human Performance</td>
<td>State Approval by the Florida Department of Education; Accreditation by the National Council for Accreditation of Teacher Education (NCATE), 1140 19th Street, NW Suite 400, Washington, DC 20036-6610</td>
</tr>
<tr>
<td>Athlete Training</td>
<td>Commission on Accreditation of Athletic Training Education (CAATE), 6850 Austin Center Boulevard, Suite 100, Austin, TX 78731-3184</td>
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UNIVERSITY OF CENTRAL FLORIDA
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<tr>
<th>Health Informatics and Information Management Education (CAHIIM), 233 N. Michigan Avenue, 21st Floor, Chicago, IL 60601-5800</th>
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<tr>
<td>Health Informatics and Information Management Education (CAHIIM), 233 N. Michigan Avenue, 21st Floor, Chicago, IL 60601-5800</td>
</tr>
<tr>
<td>Health Services Administration Association of University Programs in Health Administration (AUPHA), 2000 14th Street North, Suite 780, Arlington, VA 22201</td>
</tr>
<tr>
<td>Social Work Council on Social Work Education (CSWE), 1701 Duke Street, Suite 200, Alexandria, VA 22314-3457</td>
</tr>
<tr>
<td>College of Medicine - Burnett School of Biomedical Sciences National Accrediting Agency for Clinical Laboratory Sciences (NAACLS), 5600 N. River Road, Suite 720, Rosemont, IL 60018-5119</td>
</tr>
<tr>
<td>Nursing Florida Board of Nursing, 4042 Bald Cypress Way, Room 120, Tallahassee, FL 32309</td>
</tr>
<tr>
<td>Nursing Commission on Collegiate Nursing Education (CCNE), One Dupont Circle, NW Suite 530, Washington, DC 20036</td>
</tr>
<tr>
<td>Sciences American Chemical Society (ACS) Committee on Professional Training, 1155 Sixteenth Street, NW, Washington, DC 20036</td>
</tr>
</tbody>
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UCF is listed in Transfer Credit Practices on Designated Educational Institutions with the highest level of credit acceptability. This handbook is published by the American Association of Collegiate Registrars and Admission Officers and lists the acceptability of transfer credits based upon the reporting institutions in the states, commonwealths, territories, and selected international institutions.
The University
407-823-2000
http://www.ucf.edu

UCF Stands For Opportunity: The University of Central Florida is the nation's second-largest university with more than 63,000 students and is located in one of the most dynamic communities in the country – the Orlando metroplex. UCF's 1,415-acre main campus provides modern facilities, most of which have wireless capability, with about 600 acres set aside for lakes, woods and an arboretum.

Offering 212 degree programs, UCF is an academic and research leader in many fields, including optics and photonics, modeling and simulation, engineering, computer science, business administration, education, life sciences, hospitality management and digital media. The College of Medicine, which graduated its first M.D. students in Spring 2013, is the centerpiece of a medical city at Lake Nona bustling with future doctors learning about the latest advances in health care, patients receiving high-quality care, and scientists searching for cures for cancer and other diseases.

Students attend classes on UCF’s main campus in east Orlando and 15 satellite facilities located throughout Central Florida. Since President John C. Hitt’s arrival in 1992, enrollment has nearly tripled, and UCF has greatly expanded access to higher education.

Outstanding Students: UCF attracts many of the nation’s best and brightest students. The fall freshman class for the 2015-16 academic year posted an average SAT score of 1261 and a high school weighted GPA of 4.0. A total of 277 National Merit Scholars enrolled in fall 2015. UCF continues to become more diverse each year, with 42.5 percent of students in fall 2015 classified as minority students.

Attractive Amenities: The 45,000-seat Bright House Networks Stadium and the 10,000-seat CFE Arena opened in 2007 on the north side of UCF’s campus. Anchored by CFE Arena, Knights Plaza also includes four student residence halls and various restaurants and retail shops that cater to students, employees and area residents.

UCF’s Recreation and Wellness Center features a three-story climbing wall, an indoor track and myriad fitness equipment. The Student Union offers computer labs, study lounges, ballrooms and meeting rooms, popular eating establishments and a small shopping mall. A state-of-the-art Health Center supports a full-service health clinic with on-site professionals, X-ray capabilities, pharmacy, dental clinic, medical laboratory and physical-therapy services.

The Career Services and Experiential Learning building features private interview rooms, including a boardroom-style suite where cameras can record students’ practice interviews.

At Technology Commons, students can test and purchase the latest computer products and produce podcasts and video presentations. A new Performing Arts Center provides music and theatre students with high-tech classrooms and rehearsal spaces, and eventually will host student and professional performances.

National University to Watch: For the past several years, U.S. News & World Report’s “America’s Best Colleges” guide has lauded UCF as a top national university to watch. A new listing this year by the publication placed UCF among the top 15 most innovative universities in the country. UCF has been consistently ranked as one of the nation’s best values by The Princeton Review and Kiplinger magazine. The university also has been identified among the best colleges for veterans.

Center for Distributed Learning
Associate Vice President: Thomas B. Cavanagh
UCF Center for Distributed Learning, 3100 Technology Parkway, Orlando, 32826; 407-823-4910
http://online.ucf.edu/

The Center's mission is to provide support to students, faculty and staff in the development and planning of distributed learning classes and programs. The Center serves as the central agent for online learning at UCF, developing leading-edge policies, strategies, and practices. The Center also coordinates the university’s standards and accreditation changes resulting from web-based instruction.

Students can enroll in credit courses and select degree and certificate programs delivered over the Internet through Online@UCF. The instructional design of these courses maintains a high-quality learning environment for both nontraditional and campus-based students.

The degree programs listed at http://www.ucf.edu/Online/majors/ may be completed via online course work, although not all elective options or program prerequisites may be offered online. Newly admitted students choosing to complete a degree program exclusively via UCF online classes may enroll with a reduction in some campus-based fees.

Online courses are identified in the Class Schedule Search available at https://my.ucf.edu/. In the "Additional Search Criteria" section use the drop-down list next to “Mode of Instruction” to search for the values described below.

Online instruction modes are:
- WORLD WIDE WEB (W): These courses are conducted via web-based instruction and collaboration. Some courses may require minimal or no attendance of off-screen/ proctored examinations.
- MIXED-MODE/REDUCED SEAT TIME (M): These courses include both required classroom attendance and online instruction. All M classes have substantial activity conducted over the web, which substitutes for some classroom meetings.
- VIDEO STREAMING (V): These are courses delivered over the web via streaming digital video, which may be supplemented by additional web activity, projects, or exams.

VIDEO STREAMING/REDUCED SEAT TIME (RV): In these courses, classroom-based content is available over the Web via streaming video. Classroom attendance is not required. Other required activities that substitute for video instruction may include any of the following elements: web activity, in-person or proctored examinations, and labs. See course notes for details.

UCF’s Recreation and Wellness Center features a three-story climbing wall, an indoor track and myriad fitness equipment. The Student Union offers computer labs, study lounges, ballrooms and meeting rooms, popular eating establishments and a small shopping mall. A state-of-the-art Health Center supports a full-service health clinic with on-site professionals, X-ray capabilities, pharmacy, dental clinic, medical laboratory and physical-therapy services.

Regional Campuses
http://www.regionalcampuses.ucf.edu

The University of Central Florida offers an opportunity to complete a number of programs through UCF Regional Campuses. Strategically located within an 80-mile radius of the UCF Orlando campus, the Regional Campuses sites partner with six Florida state colleges, fostering seamless and convenient advancement from completion of a A.A. or A.S. degree to a B.S. or B.A. degree. Programs include associate and bachelor-level division work on a baccalaureate degree. Programs accessible include 19 bachelor’s programs, 8 minors and 1 master’s degree as well as online programs by each of the UCF Colleges represented within the system. With close proximity to Orlando, resources are available at UCF and the UCF Regional Campuses, such as admissions, registration, financial aid, advising, student clubs and organizations, disabilities services, veteran’s affairs, “smart classrooms,” libraries, computer labs, and more.

Due to restrictive state regulations, UCF is not permitted to provide online courses or instruction to students in some states. The list of states currently restricted is available at http://online.ucf.edu/learn-online/prospective/state-restrictions/. While residing in any of the states listed, students may not be permitted to enroll in or be admitted to a UCF online program.
University of Central Florida/Campuses

All locations provide students with an opportunity to enroll in selected courses (junior and senior level) contributing to undergraduate and graduate degrees in a variety of disciplines within the University. At UCF Regional Campuses, students may register full-time or part-time for courses at any of the locations without additional paperwork. For the most current information on any of the multiple UCF Regional Campus locations, programs or class schedules, check the website at http://www.regionalcampuses.ucf.edu.

Administration

UCF Regional Campuses (RC) Administration
12201 Research Parkway, Suite 101
Orlando, 32826; 407-823-4547
Vice Provost, Regional Campuses .................................. J. Jeffrey Jones
Office Manager .......................................................... Allison Bryant
Associate Vice Provost, Regional Campuses Academic & Student Initiatives .... Pam Cavanaugh
Director, Academic Support Services ................................ Jennifer Sumner
Director, Special Projects ............................................. Sean Armstrong
Director, Student Services & Advising ............................ Angelia Jones
Associate Director, Academic Initiatives ......................... Waheeda Illasarie
Associate Director, Academic Initiatives ......................... Mary Lynn Bresette
Assistant Director, Continuing Education ........................ Kallie Reyes
Facilities Scheduler ..................................................... Denise Devlin
Director, RC Enrollment Services ................................. Deborah Bradford
IT Business Applications Manager ................................. Martin Malpica
Web Designer ............................................................ Tony Recascino
Assistant Web Support ............................................... Minesh Patel
Graphics Designer ...................................................... Christina Grace
Senior Art Specialist ................................................... Mary Lou Wade
Director, Library Services ............................................ Cynthia Kisby
Assistant Vice Provost, RC Business Affairs and Operations ...................................................... Kimberley Cole
Executive Administrative Assistant ............................... Jeanette Holder
Director, Budget & Finance .......................................... Joe Schofield
Accountant ................................................................. Brianna Stack
IT Supervisor ............................................................. Aaron Misiano
College/Division IT Project & Testing Manager ................. Calston Llewellyn

Campuses

UCF Valencia West, UCF Valencia Osceola, UCF Valencia East
Assistant Vice Provost .................................................. Kimberly Hardy
Assistant Director, Osceola ........................................... James Smith, Jr.
Assistant Director, Enrollment Services, West .................. Melissa Kors
Coordinator, Enrollment Services, West ......................... Richard Satterlee
Coordinator, Enrollment Services, Osceola ...................... Jessica Matos
Senior Admissions Specialist, East ................................. Priscilla Alejandro
Assistant Director, Advising Services, West ..................... Lisa Cruz
Coordinator, Academic Advisor, West .......................... Robin Tinsley
Coordinator, Academic Advisor, Osceola ....................... Angel Edgecombe
Coordinator, Academic Advisor, Osceola ....................... Vanessa Delgado
Coordinator, Student Services, Osceola ......................... Lourdes Acevado
DirectConnect Coordinator, West ................................ Nicole Simms
DirectConnect Coordinator, Osceola ................................ Kim Martinez
DirectConnect Coordinator, East .................................... Christopher Quintero
Administrative Assistant .............................................. Jacqueline Diaz

UCF Daytona
Assistant Vice President ............................................. Linda Bradley-Thacker
Associate Director, Student Services .............................. Raphel Robinson
Coordinator, Enrollment Services ................................ Rosalyn Santana
Coordinator, Academic Advisor ..................................... Tina Davis
Coordinator, Academic Advisor ..................................... Angela Edwards-Johnson
Coordinator, Administrative Services ............................ Bonnie Marsh
Direct Connect Coordinator .......................................... Virginia LaRue
Department IT Manager ............................................... Joe Cassella

UCF Sanford/Lake Mary, UCF Altamonte
Associate Vice President ............................................. David Meador
Assistant Director, Enrollment Services ........................... Pamela Williams
Coordinator, Student Services ....................................... Ashley Squillante
Coordinator, Academic Advisor ..................................... Georgia Kent
Coordinator, Academic Advisor ..................................... Jackie West-Lee
Direct Connect Coordinator .......................................... Lisa Mejia
Department IT Manager ............................................... Russell Muller
Administrative Assistant ............................................... Valerie Brackman

UCF Cocoa, UCF Palm Bay
Regional Director ........................................................ Tanya Armstrong
Associate Director, Student Services ............................... Sonya Curtis
Assistant Director, Enrollment Services ............................ Nick Pantoni
Coordinator, Enrollment Services ................................. Jessica Houts
Coordinator, Academic Advisor ..................................... Angel Edgecombe
Coordinator, Academic Advisor, Palm Bay ...................... Patricia Terrill
Coordinator, Academic Advisor ..................................... Sheryl Schagen
Direct Connect Coordinator ........................................... Kim Popper
Department IT Manager ............................................... Sue Sorenson
Coordinator, Administrative Services ............................. Gerry Deveau
Administrative Assistant ............................................... Darlene Kraft

UCF South Lake, UCF Ocala, UCF Leesburg
Regional Director ........................................................ Tanya Armstrong
Director, Student Services ............................................ Pamela Brady
Assistant Director, Enrollment Services ............................ Christy Pasinisin
Coordinator, Enrollment Services ................................. Thomas Silarek
Coordinator, Academic Advisor ..................................... Bethany Larson
Coordinator, Academic Support Services, Ocala ............... Crystal Flynn
Direct Connect Coordinator ........................................... Colleen Scott
Department IT Manager ............................................... Crystal Flynn
Administrative Assistant ............................................... Mei Wong

UCF Cocoa
321-433-7821
(UCF's primary phone number)

The following Undergraduate Degree Programs can be completed through combined face-to-face and online courses at this location:
Applied Science (B.A.S.) College of Undergraduate Studies
Track: Criminal Justice
Communication Sciences and Disorders (B.A., B.S.) College of Health and Public Affairs
Criminal Justice (B.A., B.S.) College of Health and Public Affairs
Elementary Education (B.S.) College of Education and Human Performance

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Human Communication (B.A.) College of Sciences
Integrated Business* (B.S.B.A.) College of Business Administration
Interdisciplinary Studies (B.S., B.A.) College of Undergraduate Studies
Nursing (B.S.N.) College of Nursing
Psychology (B.S.) College of Sciences
Social Sciences (B.S.) College of Sciences
Sociology (B.A.) College of Sciences

*Selected courses will require attendance at the UCF Orlando campus.

The following Undergraduate Degree Programs offer occasional face-to-face courses at this location:
- Applied Science (B.A.S.) College of Undergraduate Studies
  Track: Legal Studies
- History (B.A.) College of Arts and Humanities
- Legal Studies (B.A., B.S.) College of Health and Public Affairs
- Political Science (B.A.) College of Sciences

Undergraduate Minors
- Communication Sciences and Disorders
- Criminal Justice
- Crime, Law, and Deviance
- Human Communication
- Psychology
- Sociology

For online programs visit: [http://www.ucf.edu/online/](http://www.ucf.edu/online/).

**UCF Daytona Beach**
386-506-4021
(In partnership with Daytona State College)

The following Undergraduate Degree Programs can be completed through combined face-to-face and online courses at this location:
- Applied Science (B.A.S.) College of Undergraduate Studies
  Track: Criminal Justice
- Criminal Justice (B.A., B.S.) College of Health and Public Affairs

For online programs visit: [http://www.ucf.edu/online/](http://www.ucf.edu/online/).

**UCF Leesburg**
352-536-2113
(In partnership with Lake-Sumter State College)

The following Undergraduate Degree Programs can be completed through combined face-to-face and online courses at this location:
- Elementary Education (B.S.) College of Education and Human Performance

The following Undergraduate Degree Programs offer occasional face-to-face courses at this location:
- Interdisciplinary Studies (B.A./B.S.) College of Undergraduate Studies

For online programs visit: [http://www.ucf.edu/online/](http://www.ucf.edu/online/).
University of Central Florida/Campuses

UCF Ocala
352-854-2322, ext. 1824
(In partnership with College of Central Florida)
The following Undergraduate Degree Programs can be completed through combined face-to-face and online courses at this location:
Elementary Education (B.S.) College of Education and Human Performance (Cohort)
The following Undergraduate Degree Programs offer occasional face-to-face courses at this location:
Interdisciplinary Studies (B.A./B.S.) College of Undergraduate Studies
For online programs visit: http://www.ucf.edu/online/.

UCF Palm Bay
321-433-7838
(In partnership with Eastern Florida State College)
The following Undergraduate Degree Programs can be completed through combined face-to-face and online courses at this location:
Human Communication (B.A.) College of Sciences
Psychology (B.S.) College of Sciences
The following Undergraduate Degree Programs offer occasional face-to-face courses at this location:
Interdisciplinary Studies (B.A./B.S.) College of Undergraduate Studies
Undergraduate Minors
Human Communication
Psychology
For online programs visit: http://www.ucf.edu/online/.

UCF Sanford/Lake Mary
407-708-2471
(In partnership with Seminole State College)
The following Undergraduate Degree Programs can be completed through combined face-to-face and online courses at this location:
Applied Science (B.A.S.) College of Undergraduate Studies
Track: Legal Studies
Early Childhood Education (A.S. to B.S.) College of Education and Human Performance
Elementary Education (B.S.) College of Education and Human Performance
Human Communication (B.A.) College of Sciences
Integrated Business* (B.S.B.A.) College of Business Administration
Interdisciplinary Studies (B.A., B.S.) College of Undergraduate Studies
Legal Studies (B.A., B.S.) College of Health and Public Affairs
Psychology (B.S.) College of Sciences
Social Sciences (B.S.) College of Sciences
*Selected courses will require attendance at the UCF Orlando campus.
Undergraduate Minors
Legal Studies
Psychology
Graduate Degree Programs
Clinical Psychology (M.A.) College of Sciences
For online programs visit: http://www.ucf.edu/online/.
UCF South Lake
352-536-2113
(In partnership with Lake-Sumter State College)
The following Undergraduate Degree Programs can be completed through combined face-to-face and online courses at this location:
Elementary Education (B.S.) College of Education and Human Performance
Psychology (B.S.) College of Sciences

The following Undergraduate Degree Programs offer occasional face-to-face courses at this location:
Interdisciplinary Studies (B.A./B.S.) College of Undergraduate Studies

Undergraduate Minors
Psychology

For online programs visit: http://www.ucf.edu/online/.

UCF Valencia Osceola
321-682-4190
(In partnership with Valencia College)
The following Undergraduate Degree Programs can be completed through combined face-to-face and online courses at this location:
Applied Science (B.A.S.) College of Undergraduate Studies
Track: Criminal Justice
Biomedical Sciences (B.S.) College of Medicine
Elementary Education (B.S.) College of Education and Human Performance

Integrated Business* (B.S.B.A.) College of Business Administration
Interdisciplinary Studies (B.A., B.S.) College of Undergraduate Studies
Legal Studies (B.A., B.S.) College of Health and Public Affairs
Psychology (B.S.) College of Sciences

*Selected courses will require attendance at the UCF Orlando campus.

The following Undergraduate Degree Programs offer occasional face-to-face courses at this location:
Health Services Administration (B.S.) College of Health and Public Affairs
Human Communication (B.A.) College of Sciences
Public Administration (B.A.) College of Health and Public Affairs

Undergraduate Minors
Legal Studies
Psychology

For online programs visit: http://www.ucf.edu/online/.

UCF Valencia West
407-582-5500
(In partnership with Valencia College)
The following Undergraduate Degree Programs can be completed through combined face-to-face and online courses at this location:
Applied Science (B.A.S.) College of Undergraduate Studies
Track: Criminal Justice and Legal Studies
Architecture (B.D.) College of Arts and Humanities
Criminal Justice (B.A., B.S.) College of Health and Public Affairs
Electrical Engineering (3rd year) (B.S.E.E.) College of Engineering and Computer Science
Elementary Education (B.S.) College of Education and Human Performance

Integrated Business* (B.S.B.A.) College of Business Administration
Interdisciplinary Studies (B.A., B.S.) College of Undergraduate Studies
Legal Studies (B.A., B.S.) College of Health and Public Affairs
Nursing (Concurrent) College of Nursing
Political Science (B.A.) College of Sciences
Psychology (B.S.) College of Sciences
Social Sciences (B.S.) College of Sciences
Sociology (B.A.) College of Sciences

*Selected courses will require attendance at the UCF Orlando campus.

The following Undergraduate Degree Programs offer occasional face-to-face courses at this location:
Human Communication (B.A.) College of Sciences

Undergraduate Minors
Crime, Law, and Deviance
Criminal Justice
Legal Studies
Political Science
Psychology
Sociology

For online programs visit: http://www.ucf.edu/online/.

General Regional Campus information:
Website: http://www.regionalcampuses.ucf.edu

Programs are offered via multiple delivery methods: web, video-streaming, and face-to-face. Delivery methods vary by location. For degree programs and minors, it is possible not all courses will be scheduled every semester, or on every campus location. Check the actual program webpage and the academic schedule for specifics.

Regional Campuses also offers a Bachelor of Applied Science degree as an option for transfers with an Associate of Science degree. Availability of tracks varies by location.
Central Florida Research Park

The Central Florida Research Park, adjacent to the main UCF campus, is a University-related research park established as a result of legislation passed by the Florida Legislature in 1978. The Research Park is a cooperative effort between UCF, the Orange County Research and Development Authority, and the Orange County Board of County Commissioners, which appoints the members of the Authority. The governing body of the Research Park is the Orange County Research and Development Authority.

The objectives of the Central Florida Research Park are in keeping with the legislative action that enabled its creation “to encourage and promote the establishment of research and development activity combining the resources of institutions of higher learning, private sector enterprise involved in pure or applied research, and state or federal governmental agency research.”

The ultimate goal of University-related research parks is to establish an academic/industrial community. The University and officials of the Central Florida Research Park believe that the potential for the establishment of close ties between the University and industry will create an environment for a concentrated effort on research-oriented industry in the Research Park. This activity will enrich and support the academic, teaching, and research programs of the University. The University, in turn, can provide the necessary expertise and human resources to enhance the research and development activities required by Research Park tenants.

The Central Florida Research Park consists of over 1,000 acres of land. Businesses desiring a “university relationship” can purchase or lease land in the Research Park on which to construct a facility or can lease space for office, office/lab, or light manufacturing activities. Research Park tenants are involved with the University of Central Florida through sponsored research, using faculty as consultants, and using graduate and undergraduate students for intern programs and part-time employment. Research Park tenants can also contract with the University for use of the library, computer resources, and laboratory facilities. Cooperative projects range from technical research to developing business plans and employee training programs.

Endowed Chairs

Endowed chairs are established under the Florida Major Gifts Trust Fund, which provides $420,000 in state funds to match $600,000 in contributions from private sources within a five-year period.

Phillips-Schenck Chair in American Private Enterprise: Created in 1981 as the focal point for a coordinated localog of research-oriented issues, comparative economic systems, and economic decision-making in business. Chair: James Combs.

Charles N. Millican Chair in Computer Science: Created in 1983 and dedicated to probing the frontiers of computer science, with emphasis on the direction that the discipline will take over the next decade. Chair: Narsingh Deo.

William S. and Alice M. Jenkins Chair in Community Arts: Created in 1986 to enable UCF to design and oversee programs covering art administration, art therapy, and art education within the Central Florida community. Chair: TBA.

Carl H. Galloway Chair for Excellence in Business: Created in 1986 to honor Carl Galloway, a pioneer in telecommunications. The purpose is to enhance scholarly activity in teaching and research in the College of Business Administration. Chair: Pradeep Bhardwaj.

The Cobb Family Eminent Chair in Optical Sciences and Engineering: Created in 1988 to support the work of an internationally recognized scholar in laser and optical sciences. Chair: Demetrios Chatlos.

Darden Eminent Scholar Chair in Restaurant Management: Created in 1990 to develop a program of excellence in restaurant management. This chair, the first of its kind in the country, also serves as a critical resource for the hospitality industry. Chair: TBA.

SunTrust, N.A. Eminent Chair in Banking for Teaching Excellence: Created in 1989 to attract a nationally or internationally prominent expert in banking with a strong commitment to undergraduate, graduate, and executive development. Chair: Aijai Singh.

Al and Nancy Burnett Eminent Scholar Chair in Accounting: Created in 1989 to support an exceptional faculty member in the School of Accounting. Chair: Robin W. Roberts.

Bert Fish Memorial Eminent Scholar Chair: Created in 1990, the first chair to be established at the Daytona Campus, to improve nursing education and ease the shortage of nurses. Chair: Angelina A. Bushy.


CFHLA Eminent Scholar Chair in Hotel Management: Created in 2002 to support the teaching and research of an internationally recognized scholar in hotel management. Chair: TBA.

Linda Chapin Eminent Scholar Chair in Tourism Management: Created in 2002 to support the teaching and research of an internationally recognized scholar in tourism management. Chair: Abraham Pizam.

William Peeper Eminent Scholar Chair in Destination Marketing: Created in 2002 to support the teaching and research of an internationally recognized scholar in destination marketing. Chair: TBA.

Mildred W. Coyle Eminent Scholar Chair: Created in 2000 to support the teaching and research of an internationally recognized scholar in various disciplines of professional education. Chair: Sandra L. Robinson.

Robert N. Heinzelman Eminent Scholar Chair: Created in 2002 to conduct research into the determination of the basic cause of greed in humanity and to determine the appropriate manner and methods of eliminating the cause of greed and fostering altruism. Chair: Edward H. Robinson, III.

DeVos Eminent Scholar Chair in Sport Business Management Endowed Scholar Chair: Created in 2001 to attract a nationally or internationally recognized scholar in the field of sports, with a strong commitment to graduate sport business management programs. Chair: Richard E. Lapchick.

Richard T. Crotty Orange County Endowed Scholar Chair: Created in 2004 to attract a nationally or internationally prominent scholar to conduct research in his/her primary field and to assist in the development of research, programs, and support service as the faculty liaison to the Institute for Economic Competitiveness, College of Business Administration. Chair: Qinghai Wang.

Florida Photonics Center of Excellence Eminent Scholar Chair of Nanophotonics: Created in 2003 to strengthen and support teaching and research in the field of nanophotonics at the College of Optics and Photonics. Chair: Dennis Deppe.

Agere Systems, Inc. Eminent Scholar Chair of Computer Science: Created in 2005 in recognition of the university’s leadership in the Florida High Tech Corridor and the FHTC Council’s objective of attracting, retaining, and growing tech-based industry in our region and in the preparation of the workforce needed for our region. Chair: Mubarak A. Shah.

Chatlos Foundation Endowed Chair in Nursing: Created in 1996 to support a key faculty member of distinguished reputation who will engage in teaching, research, and scholarly activities relating to nursing. Chair: Karen Aroian.

Kenneth G. Dixon Eminent Scholar Endowed Chair in Accounting: Created in 2004 as a key component of the Dixon School of Accounting. Chair: TBA.

Agere Systems, Inc. Eminent Scholar Chair in Computer Science: Created in 2005 in recognition of the university’s leadership in the Florida High Tech Corridor and the FHTC Council’s objective of attracting, retaining, and growing tech-based industry in our region and in the preparation of the workforce needed for our region. Chair: Mubarak A. Shah.

Chatlos Foundation Endowed Chair in Nursing: Created in 1996 to support a key faculty member of distinguished reputation who will engage in teaching, research, and scholarly activities relating to nursing. Chair: Karen Aroian.

Lester N. Mandell Eminent Scholar Endowed Chair: Created in 2005 to support the School of Optics Education in Thin Film Optics. Chair: TBA.
Jalal Talabany Endowed Chair in Kurdish Political Studies: Created in 2007 to strengthen and support teaching and research in Kurdish Political Studies. Chair: Gunes Murat Tezcuer.

Florida Photonics Center of Excellence Endowed Chair in Biophotonics: Created in 2003 to strengthen and support teaching and research in the field of biophotonics at the College of Optics and Photonics. Chair: TBA.

Florida Hospital Endowed Chair in Cardiovascular Science: Created in 2011 to build collaborative research programs with Florida Hospital and other Central Florida scientists while providing leadership to the research enterprise in the Burnett School of Biomedical Sciences, College of Medicine. Chair: Sampath Parthasarathy.

Hugh F. and Jeanette G. McKean Endowed Chair in Nursing: Created in 2011 to strengthen and support the preparation of nurse educators. Chair: Joellen Edwards.

Florida Hospital Endowed Chair in Healthcare Simulation: Created in 2011 to support a leading expert in simulation to advance simulation in nursing and health care disciplines. Chair: Gregory Welch.

Paul N. Somerville Endowed Chair for Statistics: Created in 2012 to strengthen and support teaching and research in the field of statistics with an emphasis on the area of Big Data. Chair: TBA.

Orlando Health Endowed Chair in Nursing: Created in 2009 to support three areas: a leading expert in teaching and research, an annual symposium related to excellence in nursing and student scholarships. Chair: Mary Lou Sole.

University Ombuds Office
Ombuds: Officer: Shreya Trivedi
MH 247; 407-823-6440
http://ombuds.ucf.edu/

The Ombuds Office is an informal, impartial, independent and confidential resource for all members of the University community. It is not an office of notice of wrongdoing and cannot participate in any formal grievance or appeal process. The Office provides assistance and guidance regarding concerns related to the University. These services are available to every member of the University community: students, staff, faculty, and others. Any type of concern may be brought to the attention of this office: academic, financial, housing, consumer, work-related, or personal. The University Ombuds Officer, as a neutral facilitator, will listen to concerns and assist visitors by developing a range of options in an informal attempt to achieve resolution. Referral and direction to appropriate individuals and offices, and clarification of University policies and procedures are services of the office. All proceedings in individual cases will be held confidential by the Ombuds Officer unless otherwise authorized by the complainant, or otherwise required by applicable law, including without limitation, Chapter 119, Florida Statutes. The University Ombuds Office is located in Millican Hall, Suite 243, room 247. Appointments may be made by calling 407-823-6440.

College of Undergraduate Studies
Vice Provost and Dean: Elizabeth A. Dooley
MH 218; 407-823-2373
http://www.undergrad.ucf.edu/

The College of Undergraduate Studies supports the colleges and units in their curricular planning, collaborates with faculty curricular oversight, works with faculty and administrators to assure the strength of university wide programs such as general education, and advocates for an undergraduate education that offers an outstanding learning experience to UCF students. Interdisciplinary academic degrees such as the Bachelor of Applied Sciences, and the Bachelor of Sciences and Bachelor of Arts in Interdisciplinary Studies, are conferred from this office. Units within Undergraduate Studies include the Office of Academic Services, the Office of Experiential Learning, the Office of Undergraduate Research, the Office of Interdisciplinary Studies, the Office of Pre-Health and Pre-Law Advising, the EXCEL program, and the Academic Advancement Programs. The Dean serves as the final arbiter for all undergraduate academic appeals.

Academic Services
Interim Associate Dean and Director: Heath Martin
MH 210; 407-823-2693
http://www.academicservices.ucf.edu/

This office is responsible for administering State of Florida and University academic policies pertaining to academic record changes, curriculum file management, the degree audit program, and University-wide undergraduate academic policies and graduation requirements. The primary goals of the office are to apply these policies fairly, promptly and evenly according to established guidelines; to provide timely response to requests from students, faculty, and staff; and to maintain accurate and effective records for advisement and graduation certification.

UCF Public Safety and Police
Chief of Police: Richard Beary
3610 Libra Drive, Orlando, FL 32816; Building #150; 407-823-5242
http://www.police.ucf.edu/

The UCF Police Department is a full-service law enforcement agency that prides itself on providing professional services to the university community through prevention, education and enforcement. Officers are fully sworn with all of the law enforcement powers and duties of other agencies. UCF Police officers provide services 24 hours a day, seven days a week to the university community. In 2016, the department received reaccreditation from the Commission for Florida Law Enforcement Accreditation, which means it meets the high-est of law enforcement practices and standards.

The Communications Center (407-823-5555) provides a mechanism for persons to receive assistance in the event of an immediate threat, danger, injury, fire, or criminal occurrence by calling 9-1-1. UCF Police are part of the county-wide “Enhanced 9-1-1” system and automatically receive calls related to campus. The system ensures that the correct emergency responder - police, medical or fire - is directed to the right place in the shortest amount of time. Since telephone numbers appear on the police computer screen, callers who are for whatever reason unable to give their number or location can still receive emergency assistance. Communications Operators are on duty 24 hours a day. Blue light emergency phones are located at more than 217 locations on campus to allow persons in need of assistance to contact UCF Police, and the phones dial directly to the Communications Center to ensure a swift response if needed. Patrol officers are all assigned Mobile Data Terminals (MDT) so that they may view the details of each call as information is updated by the Communications Center.

The Patrol Division provides proactive police services to the campus community by means of foot patrols and marked vehicle patrols. Within the division, specialized units such as K-9, motorcycle, bicycle and all-terrain vehicle patrols are utilized to meet the unique needs of an expanding urban university.

The Investigations Division consists of detectives and a law enforcement analyst who conduct latent investigations for all criminal cases. Detectives are on-call 24 hours a day, seven days a week and respond to crime scenes as needs require.

The Community Partnerships Division (407-823-3224) offers crime prevention services and tips regarding the protection of personal property and safety. Two of the services that are recommended for all students, faculty and staff are online property registration and free engraving of items for easy identification. Officers speak to each student and parent orientation group and provide brochures on police...
programs and services at each session. A women’s self-defense class is also scheduled once monthly during each semester. For students who stay on campus late, the Safe Escort Patrol Service (SEPS) is available at (407) 823-4242 and provides a safe escort to vehicles and dorms on campus. Officers from Community Partnerships are also assigned as day shift officers at the Lake Nona Medical Campus.

The Special Events Division is responsible for reviewing all concerts, sporting events and other functions that may require police security. During large events, such as football games, UCF Police staff may be supplemented by other law enforcement agencies, such as the Florida Highway Patrol, the Orange County Sheriff’s Office, the Seminole County Sheriff’s Office and the Oviedo Police Department.

The John C. Hitt Library on the main campus is open 105 hours per week. Operating hours are available at http://library.ucf.edu/. The Libraries’ electronic resources include 475 databases and 53,000 journal subscriptions, 3.3 million microforms and 65,000 media items, 28 desktop PCs, comfortable seating areas, closed-captioned television, and a browsing collection for leisure reading.

The Libraries’ cyber-cafe learning space, Infusion, the Libraries’ cyber-cafe learning space, offers food and beverage items, 34 desktop PCs, comfortable seating areas, closed-captioned television, and wireless printing is also available.

University of Central Florida/Campuses

University Libraries

Director of University Libraries: Barry B. Baker

http://library.ucf.edu

University Libraries offers a variety of information resources and services. An extensive resource collection includes 2 million volumes, 53,000 journal subscriptions, 3.3 million microforms and 65,000 media titles. The Libraries’ electronic resources include 475 data-bases and 149,000 e-books.

The John C. Hitt Library on the main campus is open 105 hours per week. Operating hours are available at http://library.ucf.edu or by calling (407) 823-2756.

- Over 340 computer workstations are available for public use on all five floors.
- Laptop PCs can be checked out for use anywhere in the library.
- 100 iPads are available for a one week checkout.
- Wireless technology enables patrons who have portable devices access to the Libraries’ electronic resources and to the Internet; wireless printing is also available.
- Twenty-eight group study rooms are available for students, and can be reserved in advance through http://library.ucf.edu/StudyRooms/.
- The John C. Hitt Library is a partial depository for United States and Florida government publications, U.S. Patents and Trademarks.

Infusion, the Libraries’ cyber-cafe learning space, offers food and beverage items, 34 desktop PCs, comfortable seating areas, closed-captioned television, and a browsing collection for leisure reading.

The Knowledge Commons area offers seating for 479 students, access to 196 desktop PCs, collaborative group study areas, and rolling white boards.

- For help and advice in the use of resources and materials, the Research and Information Desk is available at (407) 823-2756. You can also send an email to researchdesk@ucf.edu or call (407) 823-2562 or toll-free at (866) 271-7589 - http://library.ucf.edu/ask.
- The Libraries supports the development of information literacy skills through the provision of Information Literacy Modules, http://infokit.ucf.edu/. The modules provide just-in-time instruction for students on topics such as citing resources, evaluating websites, and plagiarism.

Librarians have also created subject-specific research guides to help students identify resources within their discipline. Students can also access instructional videos from the libraries’ YouTube channel: http://www.youtube.com/user/UCFLibraries.

- Citation Management Programs are also available for FREE at http://library.ucf.edu/ILL.
- Another key service for Graduate Students is Interlibrary Loan and Document Delivery. The UCF Libraries will pull books and arrange for materials from other libraries. For more information, call (407) 823-2383 or visit the ILL website, http://library.ucf.edu/ILL.

In collaboration with the University’s Office of Student Accessibility Services, students are eligible for Document Delivery to their place of residence, and may request assistance with retrieval of in-house materials by contacting the Circulation Desk. The John C. Hitt Library has several reading aid devices, including a workstation equipped with MAGic and JAWS software, and a Sorenson Videophone. More information is available at http://library.ucf.edu/services/accessibility-services/.

Primary source material from Special Collections and the University Archives supports the research, teaching, and service activities of the UCF community. These special materials include books, manuscripts, historic public records, ephemera, photographs, art, and more, available at http://library.ucf.edu/SpecialCollections.

UCF Libraries partners with other libraries and local institutions in collaboration with the University’s Office of Student Accessibility Services.

University Libraries

- The Curriculum Materials Center (CMC) is located in the College of Education and Human Performance Building. The CMC provides representative PK-12 curriculum materials for preview, review, analysis and circulation, as well as 26 desktop PCs. Although the CMC primarily serves education students and faculty, it is open to all campus faculty, staff, and students. For more information see the CMC web page at http://library.ucf.edu/cmc or call (407) 823-2781.

- The Universal Orlando Foundation Library is located at the Rosen College of Hospitality Management on Universal Boulevard. The library is open to the entire UCF community as well as to hospitality industry professionals. Its unique collection covers all facets of the hospitality and tourism industries. The library provides a wide array of services and resources, including desktop PCs, wireless devices for checkout, group study rooms, research assistance, library instruction, and interlibrary loan. For more information, visit http://library.ucf.edu/Rosen or call (407) 903-8100.

- Regional Campus Libraries

Regional Campus Libraries

- Regional Campus Libraries collections and services are available through partner libraries in Cocoa, Palm Bay, Ocala, Daytona Beach, Sanford-Lake Mary, Leesburg, Sebastian, Daytona, and West Orlando. The university partners with state colleges to provide complete information services. Two websites that are particularly helpful for Regional Campus Needs are:

  - http://library.ucf.edu/about/libraries/
  - http://library.ucf.edu/my-account/
UCF librarians provide one-on-one, in-person, and virtual assistance by appointment. All locations provide electronic access to library and university resources on the web. Courier and intercampus loan services make the John C. Hitt Library’s collections available to UCF students at all regional and branch campus sites.

**Office of Instructional Resources (OIR)**

*Director:* Don Merritt  
CB1 203; 407-823-2571  
http://www.oir.ucf.edu

The mission of the Office of Instructional Resources (OIR) is to further the academic, research, and administrative goals of the University of Central Florida and its faculty through the design, application, and support of multimedia resources and services.  

The Faculty Multimedia Center (FMC) is OIR’s media production facility dedicated to faculty. Located in Classroom Building I (CB1) Room 202, the FMC hosts equipment and staff that faculty can call upon to help them create multimedia materials for their teaching and research needs. The FMC also partners with the Faculty Center for Teaching and Learning and the Center for Distributed Learning to host the Faculty Multimedia Workshop Series, a 30-minute workshop with 30-minute hands-on assistance for faculty who wish to increase their content creation skills.

OIR also supports videoconferencing and other online collaboration facilities and services for university use, including thesis and dissertation committee support. OIR can provide consultation to determine the most appropriate method of collaboration to meet your needs. For consultation services or to reserve a videoconference space, please contact OIR at 407-823-2571 and ask to speak with a collaboration specialist.

Although OIR installs and repairs classroom equipment, OIR does not schedule classroom spaces. To reserve a room, please contact Classroom Reservations in the Registrar’s office. Faculty should speak with their College Scheduler to reserve a classroom or to change the meeting space for a class.

**Space Planning, Analysis, and Administration (SPAA)**

*Assistant Director:* Christy Collier  
MH 329; 407-823-0982  
http://spaa.ucf.edu

SPAA facilitates the university’s space request and allocation process, maintains an accurate space inventory for internal and external reporting purposes, and provides analyses and information that support the instructional, research, and administrative space needs of the university and its respective colleges and divisions. SPAA works closely with UCF Facilities Planning and Construction and the Registrar’s Office.
Intercollegiate Athletics
Vice President and Director: Danny White
WD2; 407-823-2261
http://www.UCFKnights.com

The University of Central Florida, a member of the National Collegiate Athletic Association (NCAA), Division I, competes in 16 sports and is a member of the American Athletic Conference. UCF's intercollegiate sports for men include baseball, basketball, golf, football, soccer and tennis. Women's sports include basketball, cross-country, golf, rowing, soccer, softball, outdoor and indoor track and field, tennis and volleyball.

UCF’s athletics teams are successful on the field, in the classroom and in our community.

Currently in their third season of membership in the American Athletic Conference, the Knights have won AAC titles in football (2013, 2014), women's soccer (2013, 2014), softball (2014) and volleyball (2014). In addition to winning back-to-back league titles, the UCF Football program received the conference’s automatic bid to a BCS Bowl game following the 2013 season and defeated Baylor in the Fiesta Bowl.

UCF Athletics’ 93 percent graduation success rate ranks No. 1 among all public universities nationwide. It is the sixth-best mark of any school in NCAA Division I (FBS).

During the past five years, UCF student-athletes have contributed a total of more than 400,000 hours of community service in the Central Florida region and around the world.

Graduation Rate Disclosure
The completion or graduation rate is the rate at which full-time, certificate-seeking or degree-seeking undergraduate students who are enrolling for the first time at the institution, and who have not previously enrolled at any other institution of higher education, graduate from their programs. The 6-year graduation rate for the Summer-Fall 2008 full-time cohort is 70.5 percent. The retention rate for Summer-Fall full-time 2013 students is 89.1 percent. The information is public and available for review on the Institutional Knowledge Management website.

CFE Arena, The Venue, and Knights Plaza
http://www.cfearena.com

The CFE Arena is the largest entertainment and sports facility in East Orlando. With seating for 10,000 fans, it is home to UCF Men’s and Women’s basketball, university and high school graduation ceremonies, and a diverse lineup of world-famous entertainers, beloved family shows and festivities rivaling any in the country.

Nestled on the north side of the CFE Arena, The Venue is a more intimate space showcasing special events and UCF Women’s Volleyball. Knights Plaza, a living-learning community on the north end of UCF’s main campus is the home of the CFE Arena and The Venue, features an exciting mix of student apartments, garages, services, shops and dining. Come early and stay late. For event, retail or rental information, visit http://www.cfearena.com or http://www.knightspiazza.com. For information on apartment rental, please visit http://www.housing.ucf.edu.

Campus Bookstores
UCF’s main campus is home to two Barnes & Noble College bookstores.

John T. Washington Center Location
The UCF Bookstore, a Barnes & Noble College division bookstore, located in the John T. Washington Center, is the textbook and course material destination. It also offers the largest variety of UCF clothing in the world, including logo gift items, snacks, beverages, convenience items and a full service café that proudly brews Starbucks coffee. For store hours and information, visit http://www.shopucf.com or call 407-823-2665.

Knights Plaza Location
The Barnes & Noble @ UCF, located next to the CFE Arena at Knights Plaza is the official headquarters for all of your graduation supplies and more. It offers a complete line of UCF clothing, logo gift items, general reading books, snacks, beverages, convenience items and a full service café that proudly brews Starbucks coffee. For store hours and information, visit http://www.shopucf.com or call 407-882-0364.

Parking and Transportation Services
Director: Kris Singh
Visitor and Parking Information Center; 407-823-1371
Email: krishna.singh@ucf.edu
http://www.parking.ucf.edu

The Parking and Transportation Services department offers a variety of transportation options to, from, and around the campus.

The UCF Shuttle provides transit needs for students residing in 21 off-campus apartment communities, as well as numerous locations in Central Florida Research Park. Normal operating hours range from 6:30 a.m. to 10:00 p.m. UCF also has an intra-campus shuttle service on the Black and Gold Line. Two routes serve up to 9 stops on campus. On campus shuttles operate continuously from 7:00 a.m. until 7:00 p.m. during the fall and spring semesters, and from 7:00 a.m. to 4:00 p.m. during the summer terms.

An inter-campus transportation service is provided between the UCF main campus and the Rosen College of Hospitality Management. It makes 10 round-trip runs between 6:45 a.m. and 9:00 p.m., Monday through Friday, during the fall and spring semesters, and six round-trip runs between 8:00 a.m. and 7:00 p.m. during the summer semester. Our latest addition is an inter-campus transportation service between UCF main campus and the Health Sciences Campus. It makes 14 round trips between 7:20 a.m. and 10:45 p.m. Monday through Friday. Arrivals and departures can be tracked via UCF mobile application or http://m.ucf.edu/shuttles/routes.

These services are complimentary to all UCF students, faculty, and staff members, and operate on all class days, including exam weeks. Please refer to the webpage at http://parking.ucf.edu/Shuttle.html or call 407-823-2131 for detailed information.

In addition, two LYNX bus routes, Links 13 and 30, serve the UCF campus from Oviedo, Downtown Orlando, Valencia College, and East campus. Commuters may connect to most anywhere in the Greater Orlando area. The LYNX buses normally operate at 30 to 60 minute intervals. Route maps may be obtained at the UCF Visitors and Parking Information Center and the Information Kiosk at the Student Union. Further details, including rates and information on special passes, may be obtained by calling LYNX at 407-841-8240, or from their website, http://golynx.com.

Orlando Shakespeare Theater in Partnership with UCF
Artistic Director: Jim Helsinger
812 E. Rollins St., Suite 100, Orlando FL 32803
Email: jimh@orlandoshakes.org
http://www.orlandoshakes.org

The Orlando Shakespeare Theater in Partnership with UCF is a professional AEA theater producing classic, contemporary and children’s plays. The theater presents a Signature Series of adult plays, a children’s theater series, The Playfest Festival of New Plays, and innovative educational programming that includes summer camps, The Young Company (a summer high school performance group), Shakespeare with Heart (a summer program in partnership with
United Cerebral Palsy and UCF), and the K-12 “Shakespeare Alive” and “Shakesperience” programs. Performances are presented in Margeson, Goldman, Mandell, and Santos-Dantin Theaters at the Lowndes Shakespeare Center in Loch Haven Park.

The theater has achieved a position of national recognition, attracting artists from across the country. The theater has been featured on the Today Show, Good Morning America, and in national publications such as The Wall Street Journal, American Theater, Stage Directions and Southern Theater magazine. The third year of UCF’s Acting MFA in Theatre is spent in residence at the theater. Internships and independent studies for UCF undergraduates are also available with the theater in many departments. $12 rush tickets are available for UCF students 1/2 hour before performances with student ID. To purchase tickets, contact the box office at 407-447-1700, or go on the web at http://www.orlandoshakes.org. For internship information and other questions, contact Artistic Director Jim Helsinger at jimh@orlandoshakes.org.

UCF Alumni Association
UCF FAIRWINDS Alumni Center; 407-UCF-ALUM (823-2586)
http://www.ucfallumni.com

The UCF Alumni Association connects all Knights with the university and each other through social, cultural and professional development opportunities — for life.

The alumni association is a dues-free organization, which means there’s no membership fee for alumni to get involved with its chapters and clubs program, or to take advantage of the many benefits and discounts available to them.

The 4EVER KNIGHTS (4EK) student alumni association connects students with alumni while creating a culture of philanthropy at the University of Central Florida. 4EVER KNIGHTS is the largest student organization on campus and offers students a variety of fun and valuable events, benefits and discounts, as well as leadership, scholarship and service opportunities.

UCF Foundation, Inc.
Stewardship Coordinator, Communications, Marketing and Donor Relations: Tambrea Hurst
PVL 250; 407-882-1247
Email: tambrea.hurst@ucf.edu
http://ucffoundation.org

The UCF Foundation, Inc. is the official fund raising organization for the University of Central Florida. It is a 501(c)(3) nonprofit organization and the university’s primary partner in securing philanthropic resources.

The Foundation was established in 1969 as the Florida Technological University Foundation, Inc. and became the University of Central Florida Foundation, Inc. when the university changed its name in 1978.

The role of the UCF Foundation, Inc. is to enhance relationships with alumni, friends, faculty, staff and community partners and to promote philanthropic participation within the UCF community.

The foundation employs over 100 staff members who are dedicated to making the most effective and responsible use of contributions. The foundation team is responsible for gift acceptance and administration, gift processing and receipting, financial accounting and reporting, donor and alumni record maintenance, and donor and alumni stewardship.
International Affairs and Global Strategies (IAGS)

Vice Provost: Cynthia Young
Assistant Vice President: Nataly Chandia
GB, 407-883-2337; Fax: 407-882-0240
http://www.international.ucf.edu/

International Affairs and Global Strategies (IAGS) is the organizational division on campus dedicated to international outreach and opportunity. It is designed to transform lives by providing access to high impact, international experiences across the UCF and global community and to serve as a model of excellence for innovation, partnership, and services. This is accomplished in part through the administration of UCF Abroad and the English Language Institute, along with multiple compliance units offering support services to international students, faculty, and staff.

Additionally, IAGS facilitates compliance with federal immigration regulations and provides immigration advising and assistance to the international students and scholars at the University of Central Florida. IAGS also works with UCF departments to facilitate the hiring of international faculty and staff, process H-1B employment visas, and ensure tax compliance on payments made to international vendors.

Support is provided to the international population on campus in its adjustment to a new academic and cultural environment by providing a wide range of services and programming. Services include: admission, financial aid, Housing, Dining, and Welcome week events, employment and tax workshops, holiday celebrations, and International Education Week events. From orientation to graduation, IAGS strives to enhance the overall educational experience at UCF for its international students and scholars and to increase cultural awareness and understanding on campus.

UCF Abroad
http://www.stud yabroad.ucf.edu

UCF Abroad provides access to high impact, international experiences for students interested in studying or interning outside the United States as a portion of their degree program. UCF Abroad participants are exposed to new environments, new customs, and in many cases new languages in an effort to broaden their perspectives and develop the skills necessary to set them apart in the global workplace. Self-discovery, self-confidence, and cultural awareness are a few of the additional benefits to studying abroad. UCF Abroad also works with external program providers to open up options for students in all disciplines and all desired destinations.

The two main types of programs administered by UCF Abroad are Short Term Programs and Reciprocal Student Exchanges.

Short Term Programs provide the maximum amount of exposure to a subject in the shortest period of time. These programs are often the most cost-effective option for students and meet all academic criteria for UCF coursework. Courses delivered as part of these short-term programs can be delivered as a complete module within themselves or as a complement to a course delivered on campus. Often led by a UCF faculty member, examples of past short term programs include the following: Intensive language programs in Austria, France, Italy, Japan, Spain and Taiwan; Tropical Marine Biology in Honduras; International Business in France and Spain; Criminal Justice in Costa Rica, Russia and the United Kingdom; Education in the United Kingdom; International Gastronomy in France and Italy; and Art in Italy.

Reciprocal Student Exchanges (RSEs) provide UCF students with the opportunity to become a student at a university abroad for a full term or even an entire academic year. A longer term abroad allows the opportunity to become a student at a university abroad for a full term or even an entire academic year. A longer term abroad allows for a more extensive experience in the host country. RSEs require greater personal commitment, maturity and organization. Therefore, they are offered to UCF students who have attained at least a junior status and who have a minimum 3.0 GPA. Past university partners for RSEs include: Griffith University, Australia; MODUL University in Austria; Universidade Federal do Rio de Janeiro, Brazil; Hong Kong Polytechnic and Tongi University, China; Université d’Angers, ICN School of Business and Paris VI in France; Meikai University in Japan; Tilburg University in the Netherlands; Jonkoping and Maldalard University in Sweden and University of West England and University of Surrey in the United Kingdom.

Interested participants are encouraged to reach out to UCF Abroad staff for additional questions or to begin their program enrollment.

By visiting one of our qualified staff members in our offices, students can get further assistance in choosing their program, understanding their requirements, and receiving advice on the cost and/or academic credit implications of studying abroad. For up-to-date information, please visit http://www.stud yabroad.ucf.edu or call UCF Abroad at 407-882-2300.

English Language Institute
http://www.international.ucf.edu/ELI

Since 1987, the University of Central Florida’s English Language Institute (ELI) has served as a home away from home for thousands of international students who want to study English in the United States. Representing all over the world, ELI is hands-on, high-quality, intensive English programs, a world-famous location, and high-impact cultural experiences. The motto of ELI is: “Learn. Connect. Continue.” Students learn the English skills necessary to communicate and operate in the United States. During their time here, they connect with a diverse community of international students in a beautiful American city. Finally, after completing their studies at ELI, students continue onward by pursuing higher education at UCF and advancing in their careers with a strong command of the English language.

The Intensive English Program at ELI is a course of study designed to improve the English language skills of prospective undergraduate or graduate students at UCF. The English Language Institute has also hosted non-academically bound individuals interested in improving their English skills for personal or professional development. This five-level program includes basic components of Grammar, Reading, Writing, Communication Skills, and English Proficiency Test Preparation.

ELI believes in the importance of extra-curricular activities as a method for students to apply their English language skills outside the classroom. These events also serve as a way for students to experience the culture of the United States. Each semester, ELI hosts weekly activities for students such as local sporting events, business tours, beach trips, and volunteer gatherings.

If you or someone you know would like to get involved with the English Language Institute, please reach out to ELI staff by emailing contacteli@ucf.edu or by calling 407-823-5515.

Experiential Learning (Office of) (OEL), College of Undergraduate Studies

Interim Director: Ulla Isaac
CSEL 300; 407-823-2867
Email: OEL@ucf.edu
http://www.explearning.ucf.edu

The Office of Experiential Learning (OEL), an academic department in the College of Undergraduate Studies provides guidance, instructional and instructional support for experience-based learning courses at UCF. Its primary goal is to enable all students to include major-, career-, or course-related real-world experience in their academic programs to gain the personal, academic and professional competencies that they need to be successful employees and engaged community members upon graduation. About one third of the student body participates in experiential learning opportunities each year.

OEL has received national awards for its program innovation, quality instruction and assessment, broad-based collaboration, and institutional support. It contributes to the development and instruction of quality experiential learning courses across campus and helps keep curriculum current by offering faculty training, quality assurance, measurement of learning outcomes in experience-based learning courses, and district data to colleges for grant proposals, assessment, and accreditation purposes. Additionally, OEL collects data and applies for awards through which the university has been recognized numerous times for excellence in student engagement and partnerships.

Through OEL, both undergraduate and graduate students in all colleges have access to a diversity of experiences through meaningful and productive educational partnerships with employers and community partners locally, nationally, and internationally. Experiential Learning faculty members advise students, instruct co-op and internship courses, and support college faculty in the development and instruction of internship and service-learning courses. The department also administers the Florida Work Experience Program (FWEP) through which additional paid, major-related experiences are created for students with documented unmet financial need, facilitates curricular practical training (CPT) for international students, and supports local, national and international internship programs and service-learning projects.
All of these options provide major-related, real-world experience that help students clarify career goals, apply classroom theory, gain relevant competencies, and increase the likelihood of their entering graduate school or obtaining major-related employment upon graduation.

- Internships are available to students on all campuses in all colleges. These courses provide one semester of major-related work experience, structured for learning with reflection, supervision and evaluation, paid or unpaid, and most often for credit. Internships can be part-time (usually during the school year) or full-time (usually during summers). They are available through OEL or through college departments.

- Co-op opportunities are available to students on all campuses in all colleges. They are courses that provide a linked series of progressively responsible internships, always major-or career-related, paid, and occurring over multiple semesters. They are either part-time around class schedules or full-time alternating semesters of work experience and coursework, structured for learning with reflection, supervision and evaluation, and available for non-credit or credit when it will count in a student’s academic program. The co-op program at UCF is accredited, one of the largest in the country, and recognized nationally as a model for quality and benefits to students.

- Service-Learning provides a means for faculty to incorporate experiential learning into academic courses so that students meet course objectives through service experiences. Through this process, students gain an appreciation for civic engagement while learning course content in a real-world environment. Courses using this approach are designated with an “SL” in course listings so that students can choose to participate in this type of learning experience. A service-learning certificate, noted on a student’s transcript, is available for students who complete at least four designated service-learning courses with 12 credit hours.

Students are encouraged to come to OEL as soon as possible to plan for their participation, preferably during the semester before they want to participate to allow time to obtain an appropriate learning experience. For co-op or internships, students first complete an online application, followed by an introductory group session to obtain access into the OEL online database system. They then meet with OEL faculty to receive guidance, assistance in pursuing opportunities, referrals, and registration into experiential learning courses. To participate in service learning courses, students may select courses with an “SL” designation during the registration process. General information, online application, current co-op and internship opportunities through OEL, requirements for participation, tutorials, modular courses and resource information, as well as materials for service-learning are all available on the OEL website.

National Consortium for Academics and Sports (NCAS)

Director, Special Programs and Events: Suzi Katz-Slowinski
BA2 113; 407-823-3555
http://www.ncasports.org

Vision: to create worldwide social justice through the power of sport.

Mission: The mission of the NCAS is to use the power of sport to effect positive social change. We educate and empower individuals and organizations by inspiring values-based thinking leading to actions that promote social responsibility and equality.

Core Values:

- Diversity and Inclusion
We believe diversity and inclusion serve as a catalyst to promote fairness, equity, and justice.

At the NCAS, we harness the power of diversity and inclusion to capitalize on individual and collective strengths and help teams, staff, and organizations reach their full potential. Respect and appreciation of difference are the founding principles of diversity and inclusion. As advocates of fairness and equality, the NCAS hopes to build a global awareness and cultural competence through the power of sport. We strive to be on the cutting edge, proactively working to understand who is being excluded.

Education
Education has the power to transform lives and empowers people to make a difference.

The NCAS embraces the principle that everyone has a right to be educated, and has a duty to use what is learned to improve society. Since its inception, NCAS member institutions have offered opportunities for athletes to complete their degrees even after eligibility has expired. In addition to our advocacy for traditional education, the NCAS educates and empowers people by raising awareness of social justice issues and by offering strategies and solutions for overcoming them.

Social Justice
The NCAS is committed to peace and justice by raising awareness and developing strategies for dealing with social justice issues worldwide.

The NCAS aims to provide the education, tools and strategies for dealing with these issues and empowers individuals to take action for those without a voice. We challenge sports leaders and athletes to embrace leadership roles by supporting everyone’s basic human rights, and confronting all forms of discrimination, hate, and violence, while advocating for those who are underrepresented.

Ethical and Moral Leadership
The NCAS’ unshakeable vision for sport driven social change demands that we challenge ourselves, and others, to aspire to the highest standards of ethical and moral behavior.

Ethical and moral actions are the foundation that enables individuals, organizations, and leaders to gain leadership credibility. The beliefs and actions of leaders have significant impact on their respective organizations and, as such, effective ethical and moral leadership blends humility with determined professional will. The NCAS’s ambitious goals for sport driven social change can only be accomplished through our tireless commitment to ethical and moral behavior. Thus, we dedicate ourselves to advocate for ethical and moral leadership through the power of sport.

The Power of Sport
The global impact that sport has on society reminds us that teamwork and unity transcend the fields of competition, and has the irrefutable power to positively change people’s lives.

We apply the lessons of “the huddle” to illustrate how divergent interests and beliefs can unite under a shared vision and common goal. We believe sport has an immense impact on societies across the globe. Sport has been known to galvanize communities large and small. By harnessing this power and public influence, the NCAS continues to promote social change domestically and around the world. Changing lives through the power of sport.

Division of Continuing Education

**Director: Todd Freece**
Innovation Center, 3280 Progress Drive, Suite 700, Orlando, FL 32826; 407-882-0260; Fax: 407-882-0266
http://www.ce.ucf.edu

The Division of Continuing Education (DCE) serves as the unit within Academic Affairs for the centralized administration of continuing education at UCF. In partnership with the academic, business, and professional communities, DCE provides local, state, national, and international clients with high quality, affordable, credit/noncredit educational programs and services. DCE clients include K-12, degree seeking students, domestic and international corporations, and local, state and federal government.

Off-Campus College Credit Programs

University Towers, 12201 Research Parkway, Suite 101, Orlando, FL 32826; 407-823-3654, Fax: 407-823-1399

Off-Campus College Credit and Corporate Education Programs assist UCF Academic Colleges in the administration and coordination of approved partnerships and other specially formatted credit courses and degree programs for the academic colleges. Registration may be conducted on site or via the web for student convenience. Registration for non-admitted students does not constitute regular admission to the University.
Institutes and Centers for Research

Dick Pope, Sr. Institute for Tourism Studies
Director: Abraham Pizam
9907 Universal Blvd., Suite 231-A, Orlando, FL 32819; 407-903-8010
Associate Director: Roberto Croes
9907 Universal Blvd., Suite 231-D, Orlando, FL 32819; 407-903-8028
Email: DPI@mail.ucf.edu
http://hospitality.ucf.edu/research/dick-pope-sr-institute-for-tourism-studies/

The purpose of the Dick Pope Sr. Institute for Tourism Studies is to improve the quality of the tourism product while increasing the benefits of tourism for the industry, state of Florida, and local communities. The Institute involves itself in a variety of research projects and educational programs. Research includes the collection, development, and dissemination of information relevant to the tourism and hospitality industry in the areas of: marketing, consumer behavior and visitor satisfaction, feasibility studies, economics, motivation, and forecasting. Some of the Institute’s patrons include tourism promotion agencies at the state and local levels; tourism development commissions; professional associations; and private enterprises such as attractions, hotels, resorts, restaurants and other food-service establishments, ground and air transportation companies, travel agencies and tour operators, and other related businesses. The Institute devotes significant efforts to informing the public about the tourism industry on state and international levels, as well as its contribution to the social and economic welfare of the community at large.

Executive Development Center
Executive Director: Robert Porter
Associate Director of Degree Programs: Robin Hofer
407-235-3913; Email: mba@ucf.edu
Associate Director, Executive & Professional Development Programs: Jana Brebdurova
407-230-3915; Email: executiveeducation@bus.ucf.edu

The University of Central Florida College of Business Administration is proud to serve as a partner in executive education to the local, state, national, and international business communities. The Executive Development Center was established to provide quality executive education programs to both individuals and organizations. The Center helps professionals from all industries become more dynamic leaders, more effective managers, and more valuable team members. Corporations benefit from participating in executive education programs by developing more productive and resourceful workforces that can meet the challenges of today’s changing marketplace and tomorrow’s opportunities.

The Center serves as a valuable resource in executive training and development by offering graduate degrees and non-degree programs that address critical issues for managers and business leaders. These programs are offered in a variety of formats suitable for any individual or corporation through:

- Executive MBA Program
- Professional MBA Program
- Professional Master of Science in Management/ Human Resources
- Professional Master of Science in Management/ Business Analytics
- Professional Master of Science in Real Estate
- Open-enrollment Programs
- Custom Corporate Programs

Florida-Canada Linkage Institute
Director: Mark Hartman
407-823-3647; Fax: 407-823-2526
Email: eeli@ucf.edu

The Florida-Canada Linkage Institute was created by the Florida legislature to foster educational, commercial, cultural and social exchanges between Canada and the State of Florida. The Institute, administered by International Affairs and Global Strategies, promotes international collaboration through expanded public/private dialogues on cooperative research and technical assistance, cultural exchanges, the enhancement of language training, and student/faculty exchange programs. The institute administers the Out of State Tuition Fee Exemptions Program that is available for students from central and east European countries to study in Florida state universities and Florida College System institutions for the same tuition fees as Florida residents. The awards are limited to 25 FTE and are competitive.

Florida-Eastern Europe Linkage Institute
Director: Mark Hartman
407-823-3647, Fax: 407-823-2526
Email: eeli@ucf.edu

The Florida-Eastern Europe Linkage Institute was created by the Florida legislature to foster educational, commercial, cultural and social exchanges between the countries in central and Eastern Europe and the State of Florida. The Institute, administered by International Affairs and Global Strategies, promotes international collaboration through expanded public/private dialogues on cooperative re-search and technical assistance, cultural exchanges, the enhancement of language training, and student/faculty exchange programs. The institute administers the Out of State Tuition Fee Exemptions Program that is available for students from central and east European countries to study in Florida state universities and Florida College System institutions for the same tuition fees as Florida residents. The awards are limited to 25 FTE and are competitive.

The John Scott Dailey Florida Institute of Government at the University of Central Florida
Director: Marilyn Crotty
407-882-3960, Fax: 407-882-3968
http://www.jsg.ucf.edu

The John Scott Dailey Florida Institute of Government is part of the College of Health and Public Affairs. The institute serves as a valuable resource for local government information and provides the public sector and nonprofit entities the highest quality training, technical assistance, facilitation services, conference planning and coordination and administrative services to improve Florida’s communities.

Florida Solar Energy Center (FSEC)
Director: James Fenton
1679 Clearlake Road, Cocoa FL 32922-5703; 321-638-1000
Email: info@fsec.ucf.edu
http://www.fsec.ucf.edu

The Florida Solar Energy Center (FSEC), UCF’s energy research and education institute, was established in 1975. Located on the Cocoa campus of UCF and Eastern Florida State College, FSEC has gained national and international respect for its public and private partnerships, focusing on: solar energy, energy-efficient buildings, hydrogen and fuel cells, electric vehicles, smart-grid research, and testing and certification of solar equipment. The Center conducts continuing education and training programs for professionals, government and industry leaders around the world, in addition to Science, Technology, Engineering and Mathematics (STEM) opportunities for the future energy workforce.

Florida Space Institute (FSI)
Director: Ramon Lugo
Florida Space Institute, PO Box 160650, Room 214 A, Orlando, FL 32816-0650; 407-823-6172; Fax: 407-823-6359
Email: ramon.lugo@ucf.edu
http://fsi.ucf.edu

The Florida Space Institute provides unique, practice-based educational opportunities, combined with space science research and the resources to design, build, and test small satellites, instruments, and payloads. Using these resources FSI supports UCF and other member schools, as well as other educational and commercial customers.

FSI provides opportunities for student involvement in real-world space programs. FSI is a State of Florida Institute headquartered at UCF, but has 10 member schools statewide. FSI is located at Research Park, Orlando, which is adjacent to the UCF main campus. Typical research areas include small satellite innovations, planetary science, instrumentation development, space weather, and space power, driving engineering solutions with science requirements.

FSI hosts one of the nine US research teams of NASA’s Solar System Exploration Research Virtual Institute (SSERVI), called the Center of Lunar and Asteroidal Surface Science (CLASS). The teams participating in the Solar System Exploration Research Virtual Institute (SSERVI) will address scientific questions about the moon, near-Earth asteroids, the Martian moons Phobos and Deimos, and their near space environments, in cooperation with international partners. FSI’s faculty are also leading a NASA mission called Global Observations of the Limb and Disk (GOLD). GOLD will fly an ultraviolet (UV) imaging spectrograph on a geostationary satellite to measure densities and temperatures in Earth’s thermosphere and ionosphere.
FSGC also provides fellowships, scholarships, internship and research experiences for students.

Institute for Simulation and Training (IST)
Director: Randall Shumaker
Partnership II & III, 3100 Technology Pkwy, Orlando, FL 32826-0544; 407-822-1300
Email: shumaker@ist.ucf.edu
http://www.ist.ucf.edu

The Institute for Simulation and Training (IST) was established to conduct research and develop technology that advances the state of the art in affordable and effective human-centered simulation capabilities and training systems. In April 1985 a State of Florida resolution recognized the institute as part of a Center of Excellence for Simulation and Training. Driven by a proven record of research achievement, IST has developed unique qualifications and is positioned to provide the enabling technologies and technical talent necessary to research new ways to model human activity, improve human-agent interaction, and educate the next generation of scientists and professionals.

IST laboratories, work space, and administrative offices occupy major portions of the Partnership II and III buildings located in the Central Florida Research Park, adjacent the UCF campus. The park also is home to major simulation and training agencies from all branches of the U.S. military. The institute is a research and academic arm of the world’s largest concentration of simulation and training for industry, government, health care, and entertainment.

IST’s research staff of more than 200 scientists, engineers, and students conducts basic and applied research for a broad range of training devices and programs. Research teams focus on applied research and technology, human/systems integration, and information systems technologies. Research areas include:

- Multi-resolution simulation
- Virtual, mixed, and augmented reality
- High performance computing
- Human-machine interface, robotics
- Computer-generated forces
- Mathematical foundations
- Application development
- Information management technology
- Human factors psychology
- Team training and team performance
- Cognitive science
- Augmented cognition
- Medical-related simulation
- Embedded simulation
- Advanced performance technology
- Human performance in healthcare
- Behavioral cybersecurity

IST actively assists UCF in the development of simulation-related curricula. First in the nation with a master’s degree in simulation science, the university in collaboration with IST also offers a truly multidisciplinary Ph.D. in Modeling and Simulation. Both master’s and doctoral programs accept applications from graduate students in computer science, digital media, psychology, engineering, mathematics, business, and other related disciplines. Also available at the graduate level are the Modeling & Simulation Professional Science Master’s degree, a two-year course of study providing a combination of technical and business courses, and the Graduate Certificate in Modeling and Simulation of Technical Systems, which requires fifteen or more credit hours beyond the bachelor’s degree and is beneficial to technical professionals involved with constructing and using simulation models of dynamic systems.

The institute annually employs more than 100 graduate and undergraduate students in a variety of research and support positions. For many outstanding graduates, work experience at IST becomes a launching pad to a career in the simulation industry. A significant number of existing professionals, both in government and industry, enroll in modeling and simulation graduate and certificate programs to continue their advanced education and hone their research skills.

The institute includes in its efforts development of research projects with potential commercial applications and adaptation of military technology to civilian markets. IST communicates the results of its research through seminars, conferences, publications, and workshops. In cooperation with UCF, the University of South Florida, and University of Florida, and with considerable participation from area industry and economic development organizations, IST promotes economic growth in the modeling and simulation industry throughout the Central Florida High Tech Corridor.

Oak Ridge Associated Universities (ORAU)
President and ORAU Councilor for University of Central Florida: John C. Hitt
ORAU Corporate Secretary: Monnie E. Champion
865-576-3146
http://www.orau.org

Since 1989, students and faculty of University of Central Florida have benefited from its membership in Oak Ridge Associated Universities (ORAU). ORAU is a consortium of 96 colleges and universities and a contractor for the U.S. Department of Energy (DOE) located in Oak Ridge, Tennessee. ORAU works with its member institutions to help their students and faculty gain access to federal research facilities throughout the country; to keep its members informed about opportunities for fellowship, scholarship, and research appointments; and to organize research alliances among its members.

Through the Oak Ridge Institute for Science and Education (ORISE), the DOE facility that ORAU operates, undergraduates, graduates, postdoctoral fellows, as well as faculty enjoy access to a multitude of opportunities for study and research. Students can participate in a number of programs covering a wide variety of disciplines including business, earth sciences, epidemiology, engineering, physics, geological sciences, pharmacology, ocean sciences, biomedical sciences, nuclear chemistry, and mathematics. Appointment and program length range from one month to four years. Many of these programs are specially designed to increase the numbers of underrepresented minority students pursuing degrees in science- and engineering-related disciplines. A comprehensive listing on these programs and other opportunities, their disciplines, and details on locations and benefits can be found in the ORISE Catalog of Education and Training Programs, which is available at http://see.orau.org, or by calling the number above.

ORAU’s Office of Partnership Development seeks opportunities for partnerships and alliances among ORAU’s members, private industry, and major federal facilities. Activities include faculty development programs, such as the Ralph E. Powe Junior Faculty Enhancement Awards, the ORAU Events Sponsorship Program, the ORAU Travel Grants Program and the Lindau Meeting of Nobel Laureates and Students.

Small Business Development Center (SBDC)
Regional Director: Eunice Choi
3201 E Colonial Drive, Suite A20, Orlando FL 32803 (Located in the National Entrepreneur Center); 407-420-4950
Email: echoi@ucf.edu
http://www.sbdcorlando.com

The Small Business Development Center (SBDC) is part of a statewide organization designed to promote economic development by responding to the needs of the small business community. The SBDC, as part of the Office of Research and Commercialization at the University of Central Florida, is responsible for eight counties in the Central Florida area including ten satellite offices located at Daytona State College, Eastern Florida State College, Seminole State College, Kissimmee Chamber of Commerce, City of Palm Coast, and three Lake County Business Opportunity Centers. Assistance is provided through workshops and no-cost individual counseling in the following areas:

- Start-Up
- Finance
- Operations
- Technology
- Market Expansion & Revenue Growth
- Accounting
- Management
- Business & Strategic Plan Development

Additional programs for leaders of growing businesses are also offered as follows: Advisory Board Council, CEO Exchange, Export Marketing Plan Services, Growth Acceleration Services, Small Business Institute, and Strategic Workshop Series, in addition to two special programs of Procurement Technical Assistance Center (PTAC) and Small Business Resource Network (SBRN).
Undergraduate Admissions

Associate Vice President: Gordon D. Chavis, Jr.
Duke Energy UCF Welcome Center; 407-823-3000
Email: admission@ucf.edu
http://admissions.ucf.edu

The Office of Undergraduate Admissions at the University of Central Florida coordinates the admission and enrollment of all undergraduate first-time-in-college, transfer, non-degree, and non-Florida public institution transient students to the Orlando campus and all regional campus sites. The office’s primary mission is to identify, attract, and enroll talented, diverse, and academically qualified students who will contribute to, achieve growth and success at, and benefit from attending the University of Central Florida.

The Office of Undergraduate Admissions seeks to attract students who are motivated, creative, and committed to academic excellence. The office will accomplish this through personal contacts, strategic communication, information management, and targeted recruitment. The office is dedicated to providing quality customer service through effective teamwork and through the development of collaborative partnerships with both internal and external communities.

The office administers several programs for prospective students and parents, including daily tours and information sessions, open houses, area receptions for admitted students, and high school and Florida College System institution visits by admission representatives. It also provides the opportunity to meet one-on-one with an admission representative on campus. Please visit our website for further information.

Office hours are: Monday/Thursday 9:00 a.m. to 6:00 p.m., Tuesday/Wednesday/Friday 9:00 a.m. to 5:00 p.m.

Campus Visit Experience

Information sessions and campus tours are available through our “Campus Visit Experience”. All freshmen (First-Time-In-College: FTIC) and transfer prospective students and their families are encouraged to participate. The Campus Visit Experience, which includes both an information session and tour of the campus, begins at the Duke Energy UCF Welcome Center at 10:00 a.m. and 2:00 p.m., Monday through Friday, except holidays. Reservations can be made by visiting our website at http://admissions.ucf.edu. “Transfer To Be A Knight” information sessions are held for prospective transfer students on select days throughout the year. Visit http://admissions.ucf.edu/transferknights/ for more information. Group tours of up to 80 or special requests may be accommodated and can be requested by visiting our website.

Admissions representatives are available to discuss particular concerns about admission to the University. You may contact the Office of Undergraduate Admissions at 407-823-3000 or visit us at our website. Information sessions and campus tours are also available for students interested in our Rosen College of Hospitality Management near International Drive. Please contact them at 407-903-8166 for further information.

Application for Admission

All interested applicants should complete the University of Central Florida “Undergraduate Admissions Application” online at http://admissions.ucf.edu and submit the $30 (in U.S. Currency), non-refundable application fee. Students should apply several months in advance of an anticipated start date and provide a completed file by the published application deadline. Questions concerning admission requirements and applications can be forwarded to admission@ucf.edu.

Applications for admission can be submitted up to one year prior to the start of the term desired. The application deadlines are May 1 for the Fall semester (July 1 for Transfer students), November 1 for the Spring semester, and March 1 for the Summer term. The priority deadline for most financial assistance and scholarships is March 1. Information regarding University housing can be found at http://www.housing.ucf.edu. Applicants can apply for housing once they are offered admission to the University. Requests for housing are subsequently reviewed according to the date of the receipt of the application.
housing application. The University does not discriminate based on race, color, religion, sex, national origin, age, disability, marital status, parental status, genetic information, sexual orientation, gender identity, gender expression, or veteran status.

Applicants should understand that this Undergraduate Catalog outlines minimum requirements to be considered for admission to that admission to the University is competitive. The satisfaction of minimum requirements does not guarantee admission. Conversely, Florida Department of Education policy allows the University to admit students to any semester as exceptions to the minimum requirements. The advisors of Undergraduate Admissions and the Admissions and Standards Committee are responsible for the admission of all undergraduate students under this exception policy.

Applicants must submit official transcripts from each educational institution attended to the Office of Undergraduate Admissions. Applicants must likewise submit official score reports for credit earned from each appropriate testing agency (e.g. AICE, AP, CLEP, or IB). To be considered official, supporting admissions documents must be received directly from the issuing institution or testing agency. All final supporting documents must be received by the Office of Undergraduate Admission no later than six (6) days after the first day of classes.

Note: Furnishing false or fraudulent statements in connection with an application for admission or residency affidavit may result in disciplinary action, denial of admission, loss of financial aid, and invalidation of credits or degrees earned.

Those enrolled students who have not submitted official completed records by the deadline will be placed on administrative hold. Students with these incomplete records will not be permitted to register for a future term until all official transcripts and other required documentation have been received. If, upon review of final transcripts, student records are not satisfactory, they may be placed on academic probation, have their admission status revoked, changed to non-degree or transient status, parental status, genetic information, sexual orientation, gender identity, gender expression, or veteran status.

The University does not discriminate based on race, color, religion, sex, national origin, age, disability, marital status, parental status, genetic information, sexual orientation, gender identity, gender expression, or veteran status.

Admission Categories

Students may submit applications to the University for one of the following categories:

A. Freshman (First-Time-In-College: FTIC)
B. Dual Enrollment/Early Admit (includes early admission and dual enrollment, on- or off-campus)

Academic Subjects

<table>
<thead>
<tr>
<th>Subject</th>
<th>Units Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>English (three of which must have included substantial writing)</td>
<td>4</td>
</tr>
<tr>
<td>Mathematics (at or above the Algebra I level)</td>
<td>4</td>
</tr>
<tr>
<td>Natural Science (two of which must have included substantial laboratory requirements)</td>
<td>3</td>
</tr>
<tr>
<td>Social Science (including: history, civics, political science, economics, sociology, psychology, and geography)</td>
<td>3</td>
</tr>
<tr>
<td>Foreign Language (both credits must be in the same language)</td>
<td>2</td>
</tr>
</tbody>
</table>

Total Units

18
Undergraduate Admissions

Applicant Eligibility
As stated in Florida Board of Governors Regulation 6.002, an SAT Reasoning Test, redesigned SAT (rSAT), or ACT Plus Writing (or ACT for students applying for Spring 2017 or later) is required of all State University System FTIC applicants. Students with a high school GPA of 2.5-2.99 on a 4.00 scale as calculated by the university must achieve the minimum scores for each section of the SAT (or its corresponding score on the redesigned SAT (rSAT), based upon official concordance tables which will be available from the College Board after the administration of the first rSAT) as outlined below:

Students admitted prior to Spring 2017:
- SAT Critical Reading >= 460 or ACT Reading >= 19
- SAT Mathematics >= 460 or ACT Mathematics >= 19
- SAT Writing >= 440 or ACT English/Writing >= 18

Students admitted Spring 2017 or later:
- SAT – Critical Reading or concorded score from rSAT Evidence-Based Reading and Writing >= 460 or ACT Reading >=19
- SAT – Mathematics >=460 or ACT – Mathematics >=19

Each state university reserves the right under Florida BOG regulation (6C 6.002) to establish admission criteria that exceeds Florida BOG minimums.

Admission to the University is limited by space availability. The degree of competition for space depends on the number and qualifications of those who apply for admission. To increase the chance of admission, high school students should present credentials that are stronger than the minimum requirements for consideration as listed above. If the number of qualified applicants exceeds the number that the University is able to enroll, a waiting list will be established.

A student applying for admission who does not meet established requirements may bring to the University other important attributes or special talents and may be admitted if, upon appeal and in the judgment of the Admissions and Standards Committee, the student can be expected to do successful academic work.

The University will provide appropriate advising for each student admitted under this alternative.

Students who have been enrolled in dual enrollment courses will be required to have a minimum “C” average (2.0 GPA) for all completed dual enrollment course work.

A student must demonstrate competency of foreign language or American Sign Language equivalent to the second high school level or higher (Spanish 2, Haitian Creole 2, etc.), or at the elementary 2 level in one foreign language or American Sign Language at an undergraduate institution to be offered admission.

Dual Enrollment/Early Admit Applicants
High School students who have demonstrated exceptional academic ability may be permitted to enroll as university students while completing their high school programs. There are three types of dual enrollment programs:

1. Early Admission is for students who have completed their junior year in high school and would like to enroll at the University as full-time students for their senior year of high school to complete their high school graduation requirements. Students must submit an application for admission by the published application deadline date. In addition, the following information is required:
   - official copy of high school transcript(s);
   - official copy of SAT Reasoning Test, redesigned SAT (rSAT), or ACT Plus Writing (or ACT for students applying for Spring 2017 or later);
   - Completed Early Admission/Dual Enrollment Authorization Form and,
   - written permission from parents or legal guardian.

2. Dual Enrollment On-Campus is for students who desire to dual enroll on a part-time basis, taking one or two courses on campus, while completing their high school course work. Students must submit an application for admission by the published application deadline date, as well as all items listed above. Additional documentation may be required.

3. Dual Enrollment Off-Campus is for students whose high schools sponsor on-site courses at specific high schools. Students earn both high school and college credit for successful completion of course work. Each respective high school selects students who are eligible to participate in these programs. Contact your high school guidance office for detailed information.

Transfer Applicants
UCF welcomes transfer applications to the university. Students should apply online at http://admissions.ucf.edu and arrange to have official transcripts sent from all colleges attended. The Office of Undergraduate Admissions computes a grade point average (GPA) for each institution attended, as well as a cumulative GPA on all college courses attempted. This computation does recognize plus or minus grades and only recognizes grade forgiveness when it is used as part of an awarded statewide articulated Associate in Science degree or an Associate in Arts degree from a Florida public institution.

Applicants must have a cumulative minimum GPA of 2.0 as well as a minimum GPA of 2.0 and be in good standing as a degree-seeking student at the last institution attended to be considered for admission to UCF. Meeting these minimum requirements does not guarantee admission.

Transfer students are required to complete at least 30 hours in residence at UCF to earn a bachelor’s degree. In addition, students must complete 48 hours in residence at UCF to be eligible to receive baccalaureate honors recognition at the time of graduation.

Transfer Applicants with Fewer Than 60 Credit Hours
Transfers with less than 30 transferrable semester hours: Must minimally meet freshman high school unit entrance requirements, the high school academic GPA and minimum SAT Reasoning, redesigned SAT or ACT Plus Writing (or ACT for students applying for Spring 2017 and later) have at least a 2.0 GPA on a 4.0 system for all college-level academic courses attempted; and be in good standing (minimum 2.0 GPA) and eligible to return as a degree-seeking student to the last institution attended. Meeting these minimum requirements does not guarantee admission.

Transfers with 30 or more but less than 60 transferrable semester hours: Must minimally have successfully completed (C or higher) at least one English Composition course and one college level mathematics course that consists of three (3) semester credit hours; have at least a 2.0 GPA on a 4.0 system for all college-level academic courses attempted; and be in good standing (minimum 2.0 GPA) and eligible to return as a degree-seeking student to the last institution attended. 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. Meeting these minimum requirements does not guarantee admission.

Transfer Applicants with an A.A. Degree from a Florida Public Institution
Admission of Associate in Arts (A.A.) degree graduates from Florida College System institutions and Florida state universities will be governed by the Articulation Agreement between the state universities and Florida College System institutions. It is the primary basis for admission of transfer students from Florida College System institutions to upper division study in a state university. Every associate in arts graduate of a Florida College System institution shall be granted admission to an upper division program consistent with Section 1007.23, F.S. Admission to the student’s preferred public postsecondary institution or program is not guaranteed.

Any student admitted without demonstrated proficiency in a foreign language or American Sign Language equivalent to the second high school level or the elementary 2 level at an undergraduate institution must satisfy the admission requirement prior to graduation. Florida College System institution Associate in Arts graduates are guaranteed the following rights under the Statewide Articulation Agreement (State DOE Rule 6A-10.024):

1. Admission to one of the twelve state universities, except to “limited access” programs (programs that have additional admission requirements);
2. Acceptance of at least 60 credit hours by the state universities toward the baccalaureate degree;
3. Transfer of equivalent courses under the statewide Course Numbering System;

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4. Acceptance by the state universities of credit earned in accelerated programs (e.g., CLEP, AP, PEP, Dual Enrollment, Early Admission, and International Baccalaureate);

5. No additional General Education Core requirements;

6. Advanced knowledge of selection criteria for limited access programs;

7. Equal opportunity with native university students to enter limited programs.

Should any guarantee be denied, students have the right of appeal through the Office of Undergraduate Admissions and the Admissions and Standards Committee.

Transfer Applicants - More Than 60 Hours, Have Not Received an A.A. Degree from a Florida Public Institution

Undergraduate transfer applicants who desire to be admitted as upper division students must have met, at least, all of the following requirements:

- A minimum of a 2.0 GPA and 60 credit hours of academic course work;
- The English and Mathematics requirements of the Gordon Rule; and,
- Demonstrated proficiency at the elementary 2 level in one foreign language or American Sign Language at an undergraduate institution. This requirement applies to those students without the required demonstrated proficiency equivalent to the second high school subject. Meeting these minimum requirements does not guarantee admission.

Second Bachelor's Degree Applicants

Second Bachelor’s Degree applications are processed by the Undergraduate Admissions Office or the Registrar’s Office. Guidelines for which office students should make application to are outlined as follows:

- Students who have never attended the University of Central Florida as degree-seeking undergraduate students must apply to the Office of Undergraduate Admissions. Students should complete the undergraduate admissions application online at http://admissions.ucf.edu/

- Students who have previously attended the University of Central Florida as a degree-seeking undergraduate student should apply through the Registrar's Office. These students should follow the Readmission procedure located online at http://registrar.ucf.edu/readmission-application.

Credits from a Previous Baccalaureate Degree

Graduates from other regionally-accredited four-year U.S. institutions who apply for admission to work toward a second undergraduate degree must meet the regular requirements of the university (as defined in the “Undergraduate Degree Requirements” section of this Undergraduate Catalog). Students must meet all transfer GPA requirements. A baccalaureate degree or higher from another regionally accredited four-year U.S. institution satisfies the General Education Program requirements and also provides exemption from the foreign language requirements for admission and graduation.

Note: If a baccalaureate degree from a regionally accredited four year U.S. institution includes credit from a non-regionally accredited institution, the credit from the non-regionally accredited institution may not be included as transfer credit. This would result in the transfer of less than the total number of credit hours awarded within the baccalaureate degree.

Transient Student Applicants

A student in good standing with a minimum 2.0 GPA at the last regionally-accredited institution attended who desires to enroll for one term at UCF may be considered for admission as a transient student. Such enrollment terminates at the end of one term and does not presuppose degree-seeking admission to the University. A transient student must submit an official transcript from the last institution attended. Transient student applications must be received by the appropriate application deadline. If a student’s last school of attendance is a Florida public institution, they must apply through the Florida Shines website at http://www.florida-shines.org. Transient students are not eligible to receive financial aid. Registration is permitted on a space-available basis. Meeting minimum GPA requirements does not guarantee admission.

Non-Degree Seeking Applicants

A student who wishes to attend UCF but not work toward a degree and has not already earned a bachelor’s degree, must apply to the Office of Undergraduate Admissions as a non-degree seeking student. Non-degree seeking applicants must follow the same procedure and must meet the same admission requirements as transfer applicants. Please see the details on the previous page for transfer applicants. Meeting minimum admission requirements does not guarantee admission.

A student who has already earned a bachelor’s degree and wishes to attend as non-degree seeking must follow the procedure through our Graduate Admissions Office located at http://www.admissions.graduate.ucf.edu/nondegree_applicants.

International Applicants

The University of Central Florida is authorized under federal law to enroll students on non-immigrant visas. All international candidates applying for admission to UCF must submit a University of Central Florida Undergraduate Admissions Application online at http://admissions.ucf.edu. Because of administrative processing time needed for non-immigrant students joining UCF on F-1 or J-1 visas, those students should submit the application and all required academic documentation by the international application deadlines. The international application deadlines are as follows: Fall, March 1; Spring, September 1, and Summer, January 1.

The following items will be needed in order to review an application for admission:

- Submit the completed UCF admissions application form with the required $30.00 non-refundable application fee (credit card online, check or money order in U.S. currency). The online application is available on our website at http://www.admissions.ucf.edu.

- Students who attended an international secondary school that uses a grading and evaluation system different from the U.S. system will need a document-by-document evaluation and a GPA computation of the secondary school record in English. This record, which should include performance evaluations, grades for work completed over a period of at least three years, as well as any certificates earned, should be sent to one of the agencies listed below. They will translate it if necessary, evaluate it, and then send their evaluation directly to UCF. A grade point average should be calculated and must appear on this evaluation.

- If the student has attended any international universities, an English translation and evaluation of work completed at each institution will be necessary. Transcripts should be sent to one of the agencies below for a course-by-course evaluation. Please note that if 60 or more credit hours have been earned at a post-secondary institution, it will not be necessary to submit the secondary school records.

- Results of the TOEFL (Test of English as a Foreign Language) or IELTS (International English Language Testing System) may be required of students whose first language is not English. Information can be obtained from TOEFL at http://www.ets.org/toefl or IELTS, http://www.ielts.org.

- Results of the SAT Reasoning Test, redesigned SAT (rSAT), or ACT (with Writing) (or ACT for students applying for Spring 2017 or later) will be required if the student has earned less than 30 credit hours of college credit and may be required if the student has earned at least 30 but less than 60 transferrable semester hours. Information regarding these examinations may be obtained from the College Board (SAT) at http://www.collegeboard.org or from ACT at http://www.act.org. While there are no specific minimum score requirements on these examinations for admission, they are used in conjunction with other required credentials, and students should prepare sufficiently to achieve the highest possible score on these exams.

These students must also complete and submit the required financial and immigration documents by the deadline. Applicants must also file a “Certification of Finances” form and supporting financial documents with International Affairs and Global Strategies indicating financial support to cover educational and other expenses for the first year of study. These documents can be found online at https://www.international.ucf.edu/ and must be on file prior to the issuance of the I-20 or DS-2019 forms by the University.

Educational Translations and Evaluations

Foreign diplomas must meet the requirements specified in Florida Statutes, section 229.814. UCF will accept evaluations of academic credit from these agencies:

Joesilny and Associates World Education Services

UNIVERSITY OF CENTRAL FLORIDA

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Mandatory Health Insurance for International Students on F and J Visas
Each international student on an F or J visa offered admission shall, prior to registration for classes, submit proof of required health insurance coverage to UCF Student Health Services to comply with the State of Florida mandatory health insurance requirement for F and J students. Minimum coverage limits are posted on the Student Health Services website at http://www.studenthealth.ucf.edu. Use the link for International Students that directs you to information that is specific to the UCF-endorsed health insurance plan that meets all the State of Florida requirements. Proof of insurance coverage must be submitted to Student Health Services and may not be submitted via email.

The University reserves the right to refuse registration to any international student on F or J visa who fails to comply with this insurance requirement or who is unable to supply satisfactory proof of insurance. The University also reserves the right to withdraw from classes any international student who fails to maintain insurance coverage, cancels insurance coverage while still enrolled as a student, or avoids in any way the responsibility to comply with the insurance requirement. For questions, call UCF Student Health Services at 407-823-1261 or go to their website noted above.

Non-Academic Admission Clearances
Florida Board of Governors Regulation 6.001 (7) authorizes universities to refuse admission to applicants due to past misconduct. The University further requires the Vice President For Student Development and Enrollment Services or his/her designee to review all applications disclosing information regarding any prior criminal conviction or conduct problem at another institution and to make a decision as to whether the admission of this applicant will be in the best interest of the University. This statement describes the procedure and assigns responsibility for the review of these applications for admission. Applicants who fail to disclose any prior criminal conviction or conduct problem at another institution and such fact is subsequently discovered by the University, shall be denied admission or readmission, or may receive any other academic and/or disciplinary action prescribed by the University, including but not limited to academic dismissal.

Transfer Credit: All Applicants
All grades from a regionally-accredited college or university in transfer courses that are normally part of a baccalaureate degree program are shown on the student’s permanent UCF record. Effective Fall 2001, the University recognizes a grading system of plus or minus. In addition, grade forgiveness is honored only if it has been awarded as part of an AA or a specific statewide articulated AS degree from a Florida public institution. Credit is not awarded based on job descriptions, life experience, or course work that is non-academic, or transfer course work from a non-regionally accredited institution included within a baccalaureate degree earned from a regionally accredited institution.

Accredited Institutions
For the purposes of this Undergraduate Catalog, “Accredited Institutions” means those colleges and universities accredited by any of the following six regional associations:

- New England Association of Schools and Colleges;
- Middle States Association of Colleges and Secondary School, Commission on Institutions of Higher Education;
- North Central Association of Colleges and Schools, Commission on Colleges and Universities;
- Northwest Association of Secondary and Higher Schools, Commission on Higher Schools;
- Southern Association of Colleges and Schools; and
- Western Association of Schools and Colleges Accrediting Commission for Senior Colleges and Universities and Accrediting Commission for Junior Colleges.

The accreditation status of all foreign institutions must be evaluated through either Josef Silny and Associates, Inc. or World Education Services.

All college level credits earned for which official transcripts have been submitted will be compiled into a “Transfer Summary Report” (TSR) soon after the student is offered admission. Some credits listed on the TSR may not be applicable toward graduation course requirements. The TSR will be the basis for constructing a Degree Audit, which applies earned credits to the intended degree program. The Degree Audit provides the student with an assessment of which degree requirements have been met and what remains to be satisfied. Although all college-level course work transferred from a regionally accredited institution is shown on the TSR and the UCF transcript, the applicability of the course toward a degree requirement is determined by the college/school/department of the major.

General Education Transfer Credits
Transfer students from a Florida College System institution or state university may satisfy the General Education Program requirements of UCF by completing the general education program prescribed by that institution. Transfer applicants with incomplete general education programs will have their credits evaluated on a course-by-course basis.

Credits from Private and Out-of-State Institutions
Transfer credit from private junior and senior colleges and out-of-state institutions will be evaluated on a course-by-course basis. Each student must submit the necessary petition(s) to the appropriate office(s) to determine which courses will transfer with regard to degree progress at UCF. Transfer courses that meet the requirements of the General Education Program and the Gordon Rule are determined through the process described in the “Undergraduate Degree Requirements” chapter of this Undergraduate Catalog. Petition procedures vary by college. Generally the petitioning of transfer courses for satisfaction of college and major requirements should be done during the second full term of the student's residency at UCF, so that the accepted transfer courses are understood clearly by the student and the faculty advisor early in the student’s tenure at UCF.

Credits from Military Service School Courses
Completed military service school courses may be evaluated on the basis of the recommendations of the American Council of Education (ACE) when official credentials have been properly presented. While credit may be granted when courses are equivalent to those offered by the University, recommendations by the ACE are not binding upon the University. Even though military records may have been evaluated by another regionally-accredited institution, it is important to have official credentials sent to UCF for evaluation. Credit is not awarded for basic training.

Baccalaureate Honors
Transfer students should be aware that eligibility for graduation with baccalaureate honors requires the completion of a minimum of 48 credit hours at UCF and is based upon an overall grade point average (including all transfer credit). For more details, refer to ‘Academic Honors’ within the “Academic Regulations and Procedures” section of this Undergraduate Catalog.
The Office of Student Financial Assistance, a unit within Student Development and Enrollment Services, is dedicated to supporting UCF’s mission and goals through the efficient delivery of student aid. The office provides UCF students with a comprehensive offering of financial assistance options to support student success and the attainment of a university degree. Financial aid counseling is available on a walk-in basis. To protect the privacy of student records, we offer limited counseling services through phone and email.

**Student Rights and Responsibilities**

Students have the right to full information about the financial aid programs available at UCF, our application procedures, aid deadlines, and the criteria used to determine a financial aid package. Students have the right to appeal decisions made by the Office of Student Financial Assistance. Students also have the right to equitable treatment of their financial assistance applications. Although each student’s case is analyzed individually, eligibility standards are applied uniformly without regard to race, gender, religion, creed, national origin, or disability. All students’ records are confidential. It is the student’s responsibility to review and understand all information and instructions, meet all deadlines, and provide all information and documentation accurately. Errors and omissions can cause delays and prevent students from receiving assistance. Misrepresentation is a violation of federal regulations.

**Student Eligibility**

To receive aid from most federal and state financial aid programs, students must meet certain requirements. All students are encouraged to complete the Free Application for Federal Student Aid (FAFSA) annually, before March 1, to determine eligibility. The FAFSA results are required for many programs. The federal processor, using a standardized formula, calculates financial need. Those results are then forwarded to the schools that were identified on the application. UCF must be listed on the FAFSA in order to receive the data. UCF’s Federal School Title IV code is 003954. Regulations are subject to change at any time.

**Application Priority Date**

All students must apply as early as possible for financial aid. To be considered for the full range of financial aid available, students should complete the Free Application for Federal Student Aid (FAFSA)/Renewal FAFSA by mid-February. The processing results of the FAFSA must be received by UCF no later than March 1st to meet the university’s application priority date.

- If the priority date is missed, students should apply as soon as possible after that date to be considered for the financial aid that is still available, such as the Federal Pell Grant, Federal Direct Stafford Loan, and Federal Direct PLUS Loan;
- Students should not wait to be admitted to UCF before applying for financial aid; however, they cannot be offered a financial aid package until they have been admitted to the university;
- Federal Pell Grants and Federal Direct Stafford Loans are available on a year-round basis. Students may apply for financial aid in advance of any term and receive aid from these programs, if eligible;
- Students enrolling in the fall semester should submit all requested documents by the May 30th priority deadline for timely review and processing of their financial aid file. However, all students should have a completed financial aid file at least 60 days prior to the beginning of any given semester. Students who apply late for aid should be prepared to cover their own living expenses, out-of-pocket, well into the term;
- A broad range of scholarships is available with diverse criteria. Please review the Scholarship page found on the website for additional information.

**Student Financial Assistance**

**Director:** Alicia Keaton  
MH 120; Switchboard: 407-823-2827; Fax: 407-823-5241  
Email: finaid@ucf.edu  
http://finaid.ucf.edu

**Office Hours:**  
Monday and Thursday: 9:00 a.m. - 5:30 p.m.  
Tuesday, Wednesday, Friday: 9:00 a.m. - 5:00 p.m.  
(Hours subject to change during holidays and semester breaks.)

The Office of Student Financial Assistance, a unit within Student Development and Enrollment Services, is dedicated to supporting UCF’s mission and goals through the efficient delivery of student aid.

**Development and Enrollment Services,** is dedicated to supporting UCF’s mission and goals through the efficient delivery of student aid.

**Student Aid Report (SAR) should be reviewed thoroughly:**

- Review all correspondence, follow instructions on the Student Aid Report (SAR), and follow through within 5 – 10 business days. Delays can be costly as well as frustrating;  
- Federal regulations require that some students be selected for verification. If selected, students will be required to provide documents supporting the information submitted on the FAFSA. Subsequent requests for data may be necessary after initial submissions are reviewed. Prompt response to requests will expedite completion of this process;
- Students selected for verification for the 2016-17 aid year are advised to submit all requested documents by the May 30th verification priority deadline for timely processing. Students should have completed a financial aid file no later than 60 days prior to the beginning of a semester;
- Late or incomplete submission of documents can result in delayed disbursements or possible loss of eligibility for aid;
- Offered federal funds and other need-based financial aid are considered estimates until verification is complete and all necessary corrections have been made.

**Specific Eligibility Requirements and Conditions for Receiving Financial Aid**

- Students must be accepted and classified as degree-seeking at UCF in an eligible program of study. Only courses toward degree requirements count for financial aid purposes;
- Students must maintain UCF’s Standards for Satisfactory Academic Progress (See http://finaid.ucf.edu/receiving/sap.html for more information);
- Students are required to inform the Office of Student Financial Assistance of any additional sources of aid they expect to receive beyond those listed on the award notification or award information provided on the Student Center on myUCF. Any subsequent awards or income may require a revision of the financial aid package. This includes, but is not limited to, any private scholarships or third party tuition payment/ waivers;
- Students may not receive aid in excess of their Cost of Attendance (See http://finaid.ucf.edu/applying/app_costs.html for more information);
- Students must not be in default on any federal educational loan or owe repayment on a federal grant at this or any other institution;
- Students must provide all information requested for the completion of their file. If selected, verification must be completed within specified deadlines and prior to the receipt of all federal and most state and institutional funds;
- Students must notify the Office of Student Financial Assistance of any changes in their housing status, household size, or family members in college from that listed on their FAFSA;
- Students must reapply annually for financial aid;
- Students must accept, reduce or decline offered loan(s) on the myUCF View Financial Aid screen. First time borrowers must complete an online Entrance Counseling and Master Promissory Note (MPN) for a Federal Direct Stafford Loan at UCF;
- Students must be U.S. citizens or an eligible non-citizen, (e.g. resident aliens). Eligible non-citizens include a permanent U.S. resident with a Permanent Resident Card (I-551); a conditional permanent resident with a Conditional Green Card (I-515C); as well as some I-94 classifications;
- Students must have a high school diploma, GED certificate, or completed secondary school through homeschooling as defined by state law;
Student Financial Assistance

- For need based programs, students must show financial need as determined by the FAFSA;
- Male applicants must be registered with Selective Service, if applicable.

Program Eligibility Charts
To ensure enrollment in sufficient hours for the various financial aid programs, please refer to the Program Eligibility Charts on the website, under Receiving Aid (See http://finaid.ucf.edu/receiving/pec.html for more information).

Helpful Hints
- Apply early to be considered for the full range of financial aid available each year by completing the Free Application for Federal Student Aid (FAFSA)/Renewal FAFSA. The processed results of the FAFSA must be received by UCF from the federal processor by March 1 to meet the university’s application priority date;
- Use the IRS Data Retrieval Tool located within the FAFSA application. Applicants who use the unchanged data generated by the IRS Data Retrieval Tool will not be required to provide federal tax return transcripts from the IRS. Students who are selected for verification who did not use the IRS Data Retrieval Tool, or changed data after using the tool, will be required to submit IRS tax return transcripts to verify tax information. Per federal regulations, copies of tax returns (Form 1040, 1040EZ, etc.) are no longer acceptable.
- The only exceptions to this rule include those who file tax returns in Puerto Rico or foreign countries;
- Students selected for verification for the 2016-17 aid year are advised to submit all requested documents by the May 30th verification priority deadline for timely processing. Students should have a completed financial aid file no later than 60 days prior to the beginning of a semester.
- Start a folder to save financial aid information and photocopies of all documents filed and received. Include student’s name and UCF ID on all documents submitted. (Do not submit originals; documents will be shredded after scanning.)
- Students should activate their Knights Email account and check it regularly to avoid missing important and critical information from the Office of Student Financial Assistance and the university;
- Complete all items necessary to apply for both a Federal Pell Grant and a Federal Direct Stafford Loan, even if it doesn’t seem advantageous at the time. The law requires that students be considered for a grant before a loan is offered.
- Respond promptly to all information requests; late or incomplete submission of documents can result in delayed disbursements or possible loss of eligibility for aid.
- Students may visit the office during normal business hours to speak with a counselor;
- Comprehensive financial aid information can be found on the website: http://finaid.ucf.edu.

School Costs
Estimated student budgets have been developed as a guide to help students anticipate their costs at UCF. Please refer to the website at http://finaid.ucf.edu/apply/app_costs.html for the estimated Cost of Attendance. The Cost of Attendance is not a bill. It is considered estimated charges a student can expect to incur upon enrolling in classes at the university

<table>
<thead>
<tr>
<th>Estimated Cost of Attendance for 2016-2017</th>
<th>Undergraduate Students</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall/Spring based on 14 hours per term</td>
<td></td>
</tr>
<tr>
<td>Florida Residents</td>
<td>Non-Florida Residents</td>
</tr>
<tr>
<td>Living Arrangement</td>
<td></td>
</tr>
<tr>
<td>On/Off Campus</td>
<td>On/Off Campus</td>
</tr>
<tr>
<td>Parent/Relative</td>
<td>Parent/Relative</td>
</tr>
<tr>
<td>Tuition and Fees</td>
<td>$5,954</td>
</tr>
<tr>
<td>Books</td>
<td>1,152</td>
</tr>
<tr>
<td>Room &amp; Board</td>
<td>9,764</td>
</tr>
<tr>
<td>Transportation</td>
<td>1,866</td>
</tr>
<tr>
<td>Personal Expenses</td>
<td>3,104</td>
</tr>
<tr>
<td>Total Costs</td>
<td>$21,840</td>
</tr>
</tbody>
</table>

Deferrals of Tuition and Fees
Deferred loans for the delay that normally occurs between the date that tuition and fees are due and the date on which financial aid disbursements are made, which is generally two weeks after the term begins. The fees invoiced reflect the deferred due date for tuition and fees. Students given a deferment are advised that their tuition and fee charges must be paid by the due date noted on the student’s fee invoice, which is the deferment date. The deferment process occurs automatically if the student is meeting all general eligibility requirements and has enrolled in sufficient hours for the financial aid program/s. Please refer to the Program Eligibility Charts on the website for more information. Students should use myUCF to obtain up-to-date information. In order for loans to defer tuition and fees, students must accept the offered loan on myUCF View Financial Aid screen. In order to have access to accept loans, all required items on the To Do List must be submitted. Students must drop classes prior to the end of Drop/Swap and退期 order to not be fee liable for those classes. If students do not drop their classes, a financial aid deferment may keep the classes active even if they never attended.
Confirmation of Academic Engagement and Disbursements

Timing of disbursements is contingent upon students meeting all conditions for receiving aid. Disbursement of financial aid begins the second week of classes for both the fall and spring semesters, and continues each week thereafter. During the first week of classes students are required to confirm academic engagement in each of their courses. This is done through either the student completing an academic activity that has been established by the faculty member or by faculty physically taking attendance. Students may complete the academic activities after the first week of classes but they may receive a later disbursement of aid for those courses. At the end of the Drop/Swap and Add period, awards are adjusted based on the student’s enrollment and confirmation of academic engagement. The week following, the disbursement process is initiated by moving students’ awards to the student’s account. Once funds are disbursed to the Office of Student Account Services, the disbursement record is posted on myUCF under "View My Account" on the Student Center. Charges appearing on the student’s account will be deducted at that time. Any remaining financial aid will be processed as a refund with the exception of any Federal Direct PLUS Loan for Parents, which will be disbursed to the parent at their mailing address. If charges remain on the account after disbursements, or if subsequent charges are made to the student’s account, it is the student’s responsibility to ensure they are paid. Students signed up for direct deposit should allow up to four business days for funds to show in their bank account. For refund checks that are being mailed, students should allow at least a week to receive their check at their current mailing address reflected on myUCF.

Students should be aware of the disbursement process so that they are prepared to use their personal savings for anticipated expenses such as books and supplies at the beginning of the term. The Short Term Advance (STA) for Books or the Textbook Purchase Program is available for students to help with these expenses. The STA application is available for download prior to each term, so that funds may be available as early as two weeks before the first day of classes. For additional information regarding these two programs, visit: http://finaid.ucf.edu/receiving/funds_for_books.html.

Satisfactory Academic Progress (SAP)

Federal regulations require the University to establish Standards of Satisfactory Academic Progress as a general eligibility requirement for financial aid. A student must maintain satisfactory academic progress in a course of study regardless of whether the student previously received financial aid or transferred in from another institution. To meet the standards adopted by the University of Central Florida, a student must:

- Maintain a minimum cumulative GPA of a 2.0 at the undergraduate level.
- Complete a minimum of 70% of all credit hours attempted including accepted transfer hours.
- Graduate within the number of hours allowed by the Satisfactory Academic Progress policy. Students are allowed a specific number of attempted hours based on their classification. This includes transfer hours accepted toward the degree plus all UCF hours (see chart below).

<table>
<thead>
<tr>
<th>Classification</th>
<th>Maximum Hours Allowed For Completing Degree</th>
</tr>
</thead>
<tbody>
<tr>
<td>Undergraduate</td>
<td>180 Attempted Hours</td>
</tr>
<tr>
<td>Second Undergraduate</td>
<td>70 Attempted Hours</td>
</tr>
<tr>
<td>Masters</td>
<td>70 Attempted Hours</td>
</tr>
<tr>
<td>Specialist</td>
<td>100 Attempted Hours (including all graduate level hours)</td>
</tr>
<tr>
<td>Doctoral</td>
<td>120 Attempted Hours (including all graduate level hours)</td>
</tr>
</tbody>
</table>

Students who do not meet the above standards will be placed on financial aid warning for the next semester. At the end of that semester, students must either meet the standards or aid will be canceled for future terms until student either meets the standards or the student has an appeal approved placing them on financial aid probation with an academic plan on file demonstrating the requirements for the student to get back on track towards graduation.

Student Financial Assistance

Repeated course/s, including the original attempt, will be counted towards the completion ratio and maximum time frame requirements.


Re-establishing Eligibility after Cancellation

Any student with extenuating circumstances, (i.e., death of a relative, an illness or injury of the student, etc.), who is placed on cancellation status may appeal to the Financial Aid Review Committee for reinstatement based on his/her special case.

If the student was canceled for the failure to complete 70% of the attempted hours and since cancellation, has brought up the percentage to a minimum of 70%, the student will be reinstated during the end of the semester review process. If a student was canceled for not meeting the GPA requirement, they will be placed back on a reinstated status once their GPA has been brought up to the required level during the end of semester review process.

To appeal, the student must:

- Complete the Satisfactory Academic Progress Appeal Form; (available at http://finaid.ucf.edu, under Forms).
- Attach a detailed statement that explains the extenuating circumstances that prevented or resulted in the student not meeting the SAP standards.
- Meet with an Academic Advisor and have the advisor complete an Academic Plan for Financial Aid;
- Submit the appeal, supporting documentation, and academic plan to the Office of Student Financial Assistance. After a thorough evaluation of the written request and all supporting documentation, the Financial Aid Review Committee will notify the student of the decision by email communication or the student may view the updated status on myUCF, under View Financial Aid Status.


Satisfactory Academic Progress Probation

Students who submit a SAP Appeal that is approved will be placed on Financial Aid Probation, and will be continued on Financial Aid Probation status as long as they successfully comply with the prescribed academic plan that is submitted as part of the SAP Appeal. Progression will be monitored during the probationary period at the beginning and end of each semester to ensure the student is following the prescribed academic plan and successfully matriculating through their program of study. Disbursements will not be made for a semester unless it is verified that the prior review (if applicable) was acceptable and student is in the proper classes for the term in question. All probation students must successfully complete a minimum of 70% of the credit hours that they attempted in that semester. In addition, students on probation for GPA and/or completion ratio must make positive progression in the appropriate area(s).

Transfer Students

Be informed. Not all financial aid programs are transferable and eligibility for some programs will be determined by UCF. The application process must be complete; pay close attention to priority filing dates. If a FAFSA for the year in question has already been filed, request that the federal processor forward the information to UCF, School Code 003954, by utilizing Part II of the Student Aid Report and adding the UCF School Code to the online FAFSA, or calling the Federal Student Aid Information Center at 1-800-4 FED AID. The To Do List on myUCF will indicate any required forms.

Transfer students expecting to receive the Florida Bright Futures Scholarship at UCF are required to contact the Florida Department of Education Office of Student Financial Assistance (OSFA) to transfer their scholarship from their previous institution to UCF. Students can call OSFA at 1-888-827-2004 or log onto the Bright Futures Scholarship website at https://www.floridaeducationaid.org/home/ApplyHere.asp to transfer the scholarship to UCF.

Independent Students

You will be classified as independent for financial aid purposes if at least one of the following applies:

- you are 24 years of age or older by December 31 of the award year;
- you are married at the time the original FAFSA was filed for the year;
Student Financial Assistance

- you are or will be enrolled in a master’s or doctorate degree program (beyond a bachelor’s degree) at the beginning of the 2016-17 school year;
- you now have or will have children who receive more than half their support from you;
- you have dependents (other than your children or spouse) who live with you and who receive more than half their support from you and will continue to receive more than half their support from you through June 30, 2017;
- you are currently serving on active duty in the U.S. Armed Forces for purposes other than training;
- you are a Veteran of the U.S. Armed Forces. (“Veteran” includes students who have engaged in active duty (including basic training) in the U.S. Armed Forces, or are a National Guard or Reserves enlistee who was called to active duty for other than state or training purposes, or were a cadet or midshipman at one of the service academies, and were released under a condition other than dishonorable. You are not a veteran now but will be one by June 30, 2017.
- at any time since you turned 13, both your parents were deceased, you were in foster care or you were a dependent/ward of the court;
- you are an emancipated minor as determined by a court in your state of legal residence;
- you are in legal guardianship as determined by a court in your state of legal residence;
- your high school or school district homeless liaison determined you were an unaccompanied youth who was homeless or were self-supporting and at risk of being homeless;
- you were determined, by the director of an emergency shelter or transitional housing program funded by the U.S. Department of Housing and Urban Development, to be an unaccompanied youth who was homeless or were self-supporting and at risk of being homeless anytime on or after July 1, 2015; or,
- you were determined, by the director of a runaway or homeless youth basic center or transitional living program, that you were an unaccompanied youth who was homeless or were self-supporting and at risk of being homeless anytime one or after July 1, 2015.

Transient Enrollment

Students who have been approved to take classes at another institution while attending UCF might have those hours counted toward meeting financial aid requirements for some programs at UCF. Courses taken elsewhere must meet some major or general education requirements to be calculated as part of student aid eligibility. Transient enrollment will not meet eligibility criteria for institutional aid programs, such as UCF Grant, UCF Scholars Award or Pegasus Scholarships. Check the Program Eligibility Chart for detailed requirements for each program. Students who expect to receive funds under any of the federal loan programs must enroll for a minimum of six undergraduate hours at UCF in UCF classes to meet eligibility requirements.

UCF students attending a Florida public community/state college or university must complete the Transient Student Admission Application through Florida Shines at https://www.floridashines.org/.

UCF students attending any college or university other than a Florida public institution must submit the following documents to the Office of Student Financial Assistance on or before the withdrawal deadline of the term in which aid is to be disbursed:
1. Transient Notification Form for Financial Aid for Out of State and Private Institutions.
2. A copy of the Fee Invoice and Class Schedule from the transient (host) Institution.
3. A copy of the Transient Student Approval Form with required signatures from Academic Advisor, Academic Services (if required) and UCF Registrar’s Office.
4. A completed Consortium Agreement Form signed by the transient school’s Financial Aid Office.

Students who are enrolled in transient hours must make arrangements to pay tuition and fees at the visited school since there is no system for deferral of those tuition and fees. In addition, it is the student’s responsibility to ensure that the visited school promptly provides the UCF Registrar’s Office with academic transcripts at the conclusion of the term, confirming that the attempted hours are completed. This will help avoid Satisfactory Academic Progress problems.

Students may not receive financial aid from two institutions for the same semester. Students must decide which of the two institutions is the primary school at which they are degree seeking and apply for aid there. Any inaccuracy will result in a mandatory repayment to one of the two schools for the overpayment.

Over Awards

An over award occurs when a student’s award package has exceeded either the unmet need or Cost of Attendance. To prevent over awards, students are required to notify the Office of Student Financial Assistance if any potential award is not already listed on the student’s financial aid award summary on the Student Center in myUCF. In the event of an over award, the student’s award package is reduced to eliminate the over award, which may result in a repayment to the institution of the U.S. Armed. This includes late scholarship notifications that may occur during the academic year. Students are advised to discuss the impact of receiving scholarship funding after other financial aid funds have disbursed with the financial aid office.

Refunds and Return of Title IV Funds

Students should be aware that if they completely withdraw (officially or unofficially) from the university after having received financial assistance, they may be required to repay a portion of that assistance. Students who received Federal Direct Stafford Loans should also know that the Registrar’s Office is required to notify the National Student Loan Data System (NSLDS) of student withdrawals. This may change their loan deferment status with their loan servicer(s).

Professional Judgment

The federal methodology used to determine eligibility for federal student aid is basically the same for all applicants. However, in some cases, special circumstances may be taken into consideration. Students with extenuating circumstances (i.e. loss of employment, death or illness of parent(s) or sibling(s), etc.) should contact the Office to review their specific situation with a counselor. If a student presents extenuating circumstances, an appeal can be submitted to include support documentation for review. The approval will be reviewed and a decision will be made through the Professional Judgment review process.

Repeated Coursework

Federal regulations state that students may only receive federal financial aid funding for one repetition of a previously passed course. As a result, any repeated course(s) that the student enrolls in (current or future terms) cannot be used in the calculation of his/her enrollment level for financial aid purposes for that particular term, regardless of whether or not financial aid was received for the course(s). The repeated course(s), including the original attempt, must be counted towards maximum time frame and hours completion ratio requirements for Satisfactory Academic Progress purposes, which can impact a student’s financial aid eligibility. For detailed information, visit http://finaid.ucf.edu/receiving/repeat_coursework.html.

Maximum Time Limitation on Direct Subsidized Loan Eligibility

There is a limit on the maximum period of time an undergraduate student can receive Direct Subsidized loans. First time Federal Direct loan borrowers on or after July 1, 2013, are subject to a maximum time period (measured in academic years) to receive Federal Direct Subsidized Loans. In general, students may not receive Direct Subsidized Loans for more than 150% of the published length of their program of study. This time limit does not apply to Direct Unsubsidized Loans or Direct PLUS Loans. Visit our website for more information.

Excess Hours Surcharge

In 2009, the Florida Legislature implemented Section 1009.286, Florida Statutes to encourage students to complete their baccalaureate degree as quickly and efficiently as possible and established an excess hours surcharge. This bill requires universities to add a surcharge to each credit hour taken in excess of the total number of credit hours required to complete the degree being pursued. The amount in excess of the total hours is calculated based on a percentage defined in statute and is referred to by UCF as baseline hours limit. The amount charged per credit hour is a calculated amount referred to as the excess hour surcharge.

The financial aid office cannot increase students cost of attendance as a result of being charged the excess hour surcharge nor can federal financial aid be used to pay for this charge. State, institutional, and private funding can however pay this charge. The excess hour surcharge is a state statute and should not be confused with the federal SAP standards. Students are encouraged to meet regularly with their academic advisors to map out a timely completion of their degree. For more information, please refer to http://registrar.ucf.edu/excess-hours.
STUDENT TUITION AND FEES

Student Account Services
Senior Associate Controller: Kelly D’Agostino
MH 109; 407-823-2433,
Email: stuaccts@ucf.edu
http://www.studentaccounts.ucf.edu/

General Information
Student Account Services is here to serve the students who attend the University of Central Florida by maintaining accurate financial records and communicating with students concerning their accounts. The Student Account Services office is responsible for:
- Tuition and Fee Assessment/Refunds
- Processing Payments
- Overdue payment and institutional loans collection (Loans and Collections)

Schedule of Fees
Note: 2016-2017 tuition and fees had not been established at the time of this publication. Rates for the 2016-2017 academic year will be available in July 2016 at http://tuitionfees.ikm.ucf.edu/. Fees are subject to change without notice.

Tuition and Fees: Tuition and fees are established by the State Legislature and the University Board of Trustees and are subject to change without notice. Fees are affected by residency status. Tuition and fees are charged per semester or term for main campus, regional campuses, and continuing education courses. Tuition is assessed on a per credit hour basis. Students classified as zero-hour registration students are assessed one credit hour at the Florida Resident Tuition rate at the course level for which the student is registered.

Tuition Fee Invoice: A student’s Fee Invoice will show all tuition and fee charges, payments and deferments associated with the term, and courses in which the student is currently enrolled. The Fee Invoice will not show fees such as housing, library, parking, etc. Tuition Fee invoices are available 24/7 on the web https://my.ucf.edu, and from the student’s college advising offices. Students should review their current Tuition Fee Invoice prior to making a payment. Tuition Fee invoices are not mailed. The Tuition Fee Invoice should be reviewed once after initial registration of courses and also after making any changes to the initial registration to ensure that the fees are adjusted accordingly.

Fee Payment Deadlines: All University tuition and fees must be paid by the published dates. Tuition and fees not paid or deferred by the payment deadline for each term will result in late fees and may result in the cancellation of all classes. Refer to the Academic Calendar each term for the fee payment deadlines.

Limited Non-Degree Enrollment Classes: Payment guidelines for Limited Non-Degree enrollment classes can be found on the “Registration Form for Non-Admitted Students.” It is the student's responsibility to officially drop from courses to avoid additional financial obligations.

Student Financial Responsibility Statement
Registration at UCF requires students to acknowledge the following financial responsibility statement:
"I understand that I will be responsible for tuition and fees for all courses that remain on my record after the drop deadline and that the courses will be graded.
I accept responsibility for payment of my term tuition and fees by the published deadline. I understand that if I do not pay my tuition and fees or do not pay these fees by the deadline, I will be charged a $100 Late Payment Fee, my records will be placed on hold, my account will be referred to a collection agency, and I agree to reimburse the fees of any collection agency, which may be based on a percentage of the debt collected, and all costs and expenses, including reasonable attorneys’ fees incurred in such collection efforts.”

The deadline to DROP classes without incurring a W Grade and Fee Liability will be one day earlier than the deadline to ADD classes. Please consult the Academic Calendar or the Enrollment Bulletin Board in Student Self Service for these deadlines.

Note: The Fall 2016 Financial Responsibility Statement had not been established at the time of this publication.

Payment Procedures
Payment must be received or postmarked no later than the fee payment deadlines as specified on the Academic Calendar. The primary form of payment of most account holders is on-line through the E-pay system via the myUCF portal. Students can pay using a check or a credit card in this system. Payments cannot be transacted by telephone.

Acceptable forms of payment:
- Personal Checks
- Credit Cards (Acceptable credit card types are American Express, MasterCard, and Discover). Please review the Student Account Services website at http://www.studentaccounts.ucf.edu/ for current payment information.

E-Pay - https://my.ucf.edu – E-Check (Personal Check) or Credit Card
- A nonrefundable convenience fee will apply per credit card transaction.
- Payments made at any time on the published fee payment deadline will be considered on time.

E-Pay process:
- Sign in the myUCF portal as usual then click on the link for Student Self Service; this will open your Student Center page. Use the right scroll bar to scroll to the Finances section. You will find the My Account section.
- Click on the link for the Tuition Fee Invoice. Select the current term (i.e. Sum 2016, Fall 2016, or Spring 2017). The Fee Invoice will provide you your schedule, the charges, the Amount Due and deferrals.
- Annotate the Amount Due as you will need that amount once you are on the E-Pay system.
- Scroll down to the bottom of the page and click on the Due Charges/E-Pay link to make a payment.

Mailed payments: (Please do not send cash)
- Include student’s name and PID# on personal checks or money orders (make check payable to University of Central Florida)
- Address payments to: University of Central Florida
- Student Account Services
- Attn: Payment Processing
- P.O. Box 160115
- Orlando, FL 32816-0115

Payment Drop – 24-Hour Depository at main campus (located on Reflecting Pond side entrance of Millican Hall) (no cash)

Other Forms of Payment
Tuition and fees may be partially or completely paid by financial aid, Florida Prepaid, tuition waivers, or departmental grants. The student is responsible to pay any amount that is not covered by these types of payments by the due date on his or her fee invoice.

Financial Aid – see Student Financial Assistance for rules and procedures.
All fees not deferred by financial aid are due by the due date on his or her fee invoice.

For information regarding Florida Prepaid College Plan or Tuition Waivers, please refer to the Student Account Services website at http://www.studentaccounts.ucf.edu/.

UCF Payment Plan
The UCF payment plan is a 2-payment design in which the student pays $15 upfront to be allowed to pay only 50% of the total tuition bill by the regular payment deadline, therefore avoiding a late payment fee, and being dropped for non-payment. The student is then responsible for paying the remaining 50% by the Payment Plan deadline on their Fee Invoice. Students receiving financial aid, Florida Prepaid, waivers, or third party payments already have an extended payment deadline and will not be eligible for the UCF payment plan.

Florida Prepaid
UCF Student Account Services will automatically defer tuition and fees and bill Florida Prepaid (FPP) up to the maximum billable amount based on the number of credit hours enrolled. Students with active FPP deferrals will see the Estimated FPP showing on their Fee In-voice for the term. Please note that no FPP Plan will cover 100% of the fees associated with the tuition assessed. Student Account Services use an automated system to identify students with active FPP accounts, which eliminates the need to turn in a FPP Card.

Tuition and Fees for Senior Citizens
Persons 60 years of age or older who meet Florida residency requirements may register to audit classes on a space-available basis without payment of tuition and application fees. Registration is on a space-
Student Tuition and Fees

available basis; see the appropriate term’s Academic Calendar http://calendar.ucf.edu for registration dates and times. The tuition fee waiver cannot be used for courses that require increased costs (such as thesis, dissertation, and directed individual study). A “Florida Residency” Affidavit is required to establish Florida residency. A completed “Student Health History” form must be filed prior to registration. Inquiries should be directed to the Registrar’s Office (MH 161; Telephone: 407-823-3100).

Refund of Fees
A refund of fees will be processed under the conditions noted below. The student must submit a written appeal for a refund or other appeal action to the University within six months of the close of the semester to which the refund or other appeal action is applicable. Any debts to the University will be deducted from the refund, up to the full amount.

Full Refund Eligibility
The following conditions allow a full refund: 1) A class is dropped prior to the end of the Drop period; 2) Cancellation of a course by the University.

Partial Refund (25%) 25% of tuition and associated fees assessed and paid, adjusted for waivers is refundable when the student withdraws completely from the University prior to the end of the fourth week of classes during a 16 or 17 week semester, or at the end of the first quarter of classes during a summer session.

A written appeal for a refund or other appeal action must be submitted to the University within six (6) months of the close of the semester to which the refund or other appeal action is applicable.

Exceptional Circumstances
Refunds for exceptional circumstances may be available for certain Administrative Record Changes of courses. Up to 100% of tuition and registration fees are refundable if due to circumstances determined by the University to be exceptional, including, but not limited to, sickness, death, involuntary call to military service, or University administrative error. To approved, a Late Withdrawal does not result in a refund of tuition and fees. Please visit the Academic Services website for more information.

A written appeal for a refund or other appeal action must be submitted to the University within six (6) months of the close of the semester to which the refund or other appeal action is applicable.

Direct Deposit
Students are strongly encouraged to establish direct deposit with the University. Direct Deposit prevents delays due to lost checks or change of address. All refunds from students’ accounts can be directly deposited into the student’s checking account to any U.S.A. bank in the federal system. Funds are usually available within 24-48 hours after disbursement, and enrollment only takes a few minutes. To enroll, go to https://my.ucf.edu and click on Student Self Service. Go to the Student Services website, then click on Direct Deposit and follow the instructions.

Past Due Accounts
All financial obligations to the University must be met. Failure to meet obligations can result in the withholding of denial of registration, diploma, transcripts and readmission to the University. The services of a professional collection agency and recourse to the courts may also be invoked if deemed necessary. All costs of collection, including attorney’s fees, are the responsibility of the debtor.

Do not assume your registration will be canceled if you fail to pay fees or attend classes. Tuition deferrals, for example, will prevent class cancellation for non-payment.

Late Fees
Late Payment Fees apply to students who do not pay their fees (or obtain a full fee deferment) by the payment deadline. The Late Payment Fee is $100 per term minimum.

Late Registration Fees are charged to students who enroll following the close of the regular registration period for the term, who re-enroll, or who enroll for the first time that term during Late Registration and Drop/Swap and Add period. The Late Registration Fee is $100.00 per term minimum.

Late Payment DNP (Drop for Non-Payment) Fees are charged to students who are dropped for non-payment of courses per term minimum.*

*Summer term is divided into sessions, and the late fees are charged per session.

Florida Residency for Tuition Purposes
At University of Central Florida, three offices are responsible for the review of residency for tuition purposes under Florida Statute 1009.21, F.S., State Board of Education, Rules 6A-10.044 & 6A-20.003, and Board of Governors Regulation 7.005. The offices of Undergraduate Admissions and Graduate Studies determine residency for all first-time-on-campus students; thereafter, the Registrar’s Office will review student requests for changes in residency for Undergraduate Students. The College of Graduate Studies will review student requests for changes in residency for graduate students. A first-time-on-campus student will be classified according to the information he or she provides on the application for admission, providing that no other information is available that calls into question the information contained on the application.

To qualify as a Florida resident for tuition purposes in accordance with State regulations, the student must be a United States citizen, resident alien, paralee, Cuban national, Vietnamese refugee, or other refugee or asylee so designated by the United States Citizenship and Immigration Service.

And

Have established a legal residence in this state and maintained that legal residence for 12 months immediately prior to the term in which they are seeking Florida resident classification. The student’s residence in Florida must be as a bona fide domicile rather than for the purpose of maintaining a mere temporary residence or abode incidental to enrollment in an institution of higher education, and should be demonstrated as indicated below (for dependent students, as defined by Internal Revenue Service regulations, a parent or guardian must qualify).

And

Submit the following documentation (or in the case of a dependent student, the parent must submit documentation) prior to the first day of classes for the term for which resident status is sought:

1. Documentation establishing legal resident in Florida (this document must be at least one year prior to the first day of classes of the term for which resident status is sought). The following documents will be considered in determining legal residence:
   a. Declaration of Domicile (Note: the Declaration of Domicile will support a claim of residency for tuition purposes only after a period of 12 months from the date that the Clerk of the Court notes that the declaration was sworn and subscribed to them.)
   b. Proof of purchase of a home in Florida in which the student resides.
   c. Proof that the student has maintained residence in the state for the preceding year (e.g., leases, employment records).

2. Documentation establishing bona fide domicile in Florida which is not temporary or merely incidental to enrollment in a Florida institution of higher education. The following documents will be considered evidence of domicile even though none of one of these criteria, if taken alone, will be considered as conclusive evidence of domicile:
   a. Declaration of Domicile;
   b. Florida voter registration;
   c. Florida vehicle registration;
   d. Florida driver license or Florida identification;
   e. Proof of real property ownership in Florida (e.g., deed, tax receipts) where you reside.
   f. Verification of permanent employment, full-time (30 hours/week x 52 weeks) in Florida by the employer, employment records, or other employment-related documentation (e.g., W-2 paycheck receipts), other than for employment normally provided on a temporary basis to students or other temporary employment. The document must show 12 consecutive months of Florida employment prior to
Residency Reclassification

The offices of Undergraduate Admissions and the College of Graduate Studies determine first term at UCF residency for tuition purposes for all newly admitted students. Thereafter, the Registrar’s Office will review student requests for changes in residency for Undergraduate Students. The College of Graduate Studies will review student requests for changes in residency for graduate students. The Registrar’s Office cannot review student requests for residency reclassification to be effective with the student’s first term of enrollment, only subsequent terms.

To request a residency review, the student must submit a completed “Residency Reclassification Application and Affidavit” and supporting documents to the Registrar’s Office (MH 161) or Graduate Studies (MH 230). This form is available either at the Registrar’s Office or online at http://registrar.ucf.edu. This form must be accompanied by copies of all documents that support the student’s Florida residency claim. Residency reclassification requests are subject to Florida Statute 1009.21, F.S., State Board of Education, Rules 6A-10.044 & 6A-20.003, and Board of Governors regulation 7.005. In addition, University policy requires students requesting residency reclassification to provide documentation establishing that they have income or personal sources to meet financial obligations of attendance and living expenses. Contact the Registrar’s Office at 407-823-3100 for additional information regarding all residency reclassification requirements.

When building a case for Florida residency for tuition purposes, the student must submit documents from a variety of categories. Students may consult the Registrar’s Office before submitting the reclassification request and supporting documents. The submission of documents in itself does not qualify the student for Florida residency for tuition purposes. The Registrar’s Office will evaluate the submitted documents and available information and will render an eligibility determination. UCF is authorized to make discretionary judgments as to whether the documents within the bounds of the laws and in reaching this professional judgment will evaluate all documents submitted and information available. No single document shall be conclusive.

Students seeking residency reclassification should understand that living in or attending college in Florida does not automatically establish residency in Florida for tuition purposes. The student who comes to Florida to enroll in a Florida post-secondary educational institution as an out-of-state resident and continuously enrolls in a Florida institution normally will not meet the Florida residency requirement for in-state tuition regardless of the length of time enrolled. Living or attending college in Florida merely evidences physical presence. The student must provide documentation verifying that he or she has formed significant legal ties to the State of Florida. This documentation must establish that the Florida residence constitutes a bona fide domicile rather than serving the purpose of maintaining a mere temporary residency or abode incident to enrollment in an institution of higher education. Evidence establishing legal ties to states other than Florida may disqualify the student from Florida residency for tuition purposes. All determinative documents must be dated at least 12 months before the first day of class for the term in which residency is sought.

Students entering the second term of enrollment at UCF or later who believe that they qualify for Florida residency must submit the “Residency Reclassification Application and Affidavit” and all documents to the Registrar’s Office (MH 161) or Graduate Studies (MH 230) prior to the close of “Late Registration and Add period” for the term in which Florida residency is requested. Approved residency reclassification will not be applied retroactively to previous terms.

The Registrar’s Office or Graduate Studies may require additional documentation beyond that initially submitted by the student or the claimant. Where it can render a reclassification eligibility determination and it will not complete its review of the residency reclassification application until both the student and the claimant have submitted all required documents.

All readmitted students are required to submit copies of two documents (more may be requested) such as, driver’s license, vehicle registration, and/or voter registration, to verify that they qualify and to update residency information on file. Requests for proof of residency for UCF students looking to transfer or become transient students at another institution must be submitted in person or in writing.

UCF is authorized to make discretionary judgments as to residency within the bounds of the law and in reaching this professional judgment will evaluate all documents submitted and information available. Students who feel an erroneous decision was their residency reclassification may request an appeal in writing to the UCF Residency Appeals Committee through the Registrar’s Office.
Division of Student Development and Enrollment Services

Vice President for Student Development and Enrollment Services:
Maribeth Ehasz
MH 282; 407-823-4372
http://www.sdes.ucf.edu

Introduction

The Division of Student Development and Enrollment Services (SDES) engages students in the total collegiate experience – from identification, recruitment, matriculation, and investment, to successful progression, graduation, and employment in a global workforce. This is accomplished by providing opportunities for enriched student development, leadership growth, experience-based learning, values education and civic engagement which lead to overall student success. SDES affirms that the student who comes to UCF should not be the same student who graduates from UCF. We embrace the tenets of the UCF Creed – Integrity, Scholarship, Community, Creativity, and Excellence as a framework for developing student learning outcomes to facilitate transformational learning.

Goals of the division are to:

- Promote student progression to graduation, graduate and professional school, and productive employment.
- Create opportunities for students to develop and strengthen leadership skills.
- Assist students to further develop purpose, integrity, ethical practices, and civic responsibility.
- Embrace diversity and inclusiveness.
- Foster student engagement in the Central Florida citi-state and the global community.

Academic Services for Student-Athletes (ASSA)

Director and Senior Associate Athletic Director: Eric Wood
Wayne Densch Center for Student-Athlete Leadership;
407-823-5896
Email: assa@ucf.edu
http://assa.sdes.ucf.edu

The Office of Academic Services for Student-Athletes, which is housed within SDES, works in collaboration with the Athletics Department to assist student-athletes in their efforts to establish and achieve their personal, professional and academic goals. In addition, ASSA ensures that they understand what is needed to maintain their NCAA Division I academic-athletic eligibility, as well as adhere to the American Athletic Conference and UCF rules, regulations and procedures. Lastly, ASSA assists student-athletes as it relates to the career development process.

ASSA services include:

- Providing transition services that promote the academic success of student-athletes.
- Guiding student-athletes in their selection of meaningful and appropriate major and minor fields of study.
- Assisting student-athletes with course registration, understanding of policies and procedures, and tracking progress towards degree completion.
- Organizing study halls, academic mentoring, and tutorial services.
- Directing students to utilize the full spectrum of other university services.
- Preparing student-athletes in their career planning and development.
- Assisting learning-disabled student-athletes with assessments and accommodations.
- Providing student-athletes with computer access and services.
Activity and Service Fee Business Office (ASF)
Director: Richard Phillips
SU 215; 407-823-5548
Email: asf@ucf.edu
http://asf.sdes.ucf.edu

The Activity and Service Fee Business Office services the purchasing, accounting and personnel needs of Activity and Service Fee funded departments and agencies and provides a variety of services to UCF students. ASF is also a support office for registered student organizations and UCF students that are allocated Activity and Service Fee funds. The office administers an online financial training course that must be completed by all students that are allocated Activity and Service Fee funds and by the officers of all registered student organizations. In addition, the office manages the Student Government Association Ticket Center which sells a variety of specialty-priced tickets to local theme parks, movie theaters, and attractions.

Career Services (CS)
Executive Director: Lynn Hansen
CSEL; 407-823-2361
Email: career@ucf.edu
http://career.sdes.ucf.edu

Career Services offers a comprehensive range of services to help UCF students of any major reach their academic and career goals with a talented staff of career professionals. These comprehensive services are designed to help first year through graduate students with all phases of career development to include:
- Major and Career Choices.
- Academic and Career Information.
- Resumes and Cover Letters.
- Interviewing Skills.
- Job Search Strategies.
- Employment Assistance (Career Fairs, On-Campus Recruiting, and Job Postings).
- Graduate School Information.

These programs and services are available through drop-in assistance, scheduled appointments, workshops, and major events.

Counseling and Psychological Services (CAPS)
Director: Karen Hofmann
Counseling and Psychological Services Center; 407-823-2811
Email: counctr@ucf.edu
http://caps.sdes.ucf.edu/

Counseling and Psychological Services serves currently enrolled UCF students seeking assistance with developmental and mental-health related concerns by offering a wide variety of services and programs. CAPS is composed of professional staff including psychologists, mental health counselors, social workers, and counselors-in-training who provide a confidential atmosphere and a safe environment in which students can explore and resolve personal concerns and issues. CAPS also provides advanced training and supervision for graduate students in doctorate and masters counseling programs. CAPS is open Monday through Thursday, 8 a.m.-5 p.m., and Friday, 8 a.m.-5 p.m., during fall and spring semesters and Monday through Friday, 8 a.m.-5 p.m., during the breaks and summer semesters.

CAPS offers:
- Short-term individual therapy.
- Group therapy and workshops.
- Crisis intervention and walk-in appointments.
- Crisis afterhours hotline: 407-823-2811 Press #5
- Couples therapy *(both need to be UCF students).
- Outreach presentations and workshops.
- Consultation to faculty, staff, parents, and students.
- Referral services to community and campus resources.

For additional information, visit the CAPS website at http://caps.sdes.ucf.edu/.

Creative School for Children (CSC)
Director: Amy Hesse
CSC1; 407-823-2726
Email: csc@ucf.edu
http://csc.sdes.ucf.edu

The Creative School for Children is an Educational Research Center for Child Development that provides quality early learning experiences for children ages 6 weeks to 5 years old. The school is accredited by the National Association for the Education of Young Children (NAEYC) and is certified Florida Gold Seal. The learning environment in the CSC classroom is facilitated by highly skilled, degreed teachers who offer a wide variety of experiences through the implementation of the Creative Curriculum, the Project Approach and Conscious Discipline in art, music, language, motor skills, science, math, social studies, perceptual development, socialization, and self-discovery. Planned field trips and special family programs are part of the annual schedule. CSC offers the Florida State Voluntary Pre-K (VPK) program for age eligible four-year-old children and now offers an evening program for children ages 2-12 years old and Summer Camp for children 6-12 years old. Evening care runs concurrently with the UCF and CSC academic calendar. Experiences in observation, volunteerism, and training in the academic areas are available to university students and opportunities for educational research are available to university faculty, graduate and undergraduate students. The school enrolls children of university students, employees of the university, and community members. Operating hours are 7:30 a.m.-5:30 p.m., Monday through Friday. Evening program hours are 5:35-9:15 p.m., Monday through Thursday, during the fall and spring semesters.

First Year Advising and Exploration (FYAE)
Director: Stephen O’Connell
HPH 116; 407-823-3789
Email: fy@ufc.edu
http://fyae.sdes.ucf.edu/

UCF recognizes that starting in a new learning environment can present many challenging life transitions for incoming freshman students. First Year Advising and Exploration has been established to prepare and advise first-time-in-college students not assigned to other SDES advising offices. The overriding mission of the office is to assist first-year students by providing numerous academic advising support services and other programs that will lead to their overall satisfaction, success and progression at UCF. Students who have not selected a major (Undeclared students) are provided focused advising support services through the Major Exploration Program to assist them in the major selection process.

To fulfill this mission, each student is assigned a specific academic advisor who connects with the student through various activities such as orientation, individual appointments, outreach programs, and email and phone communication. The office focuses its efforts on providing personalized advising support, establishing early and regular communication, and providing outreach advising activities for first-year students. FYAE also offers academic advising at their satellite office located in Academic Village. FYAE advisors have been designated for first-year students in the EXCEL, COMPASS, freshman LEARN living learning community, STEP, Pegasus Success, SOAR, CAP and Out of State Student Mentoring (OSSM) living learning community programs. In addition, high school students admitted to UCF as part of the Early Admission or Dual Enrollment programs are advised through FYAE.

FYAE advisors assist all undeclared students in major exploration and connecting with Career Services and referrals to the appropriate Colleges Offices. FYAE collaborates with the college advising support units, and other campus student support offices, in providing information resources and academic advising services through advising appointments, and student outreach program sessions. The office also supports student engagement throughout the second year.

Major Exploration Program (MEP)
HPH 116; 407-823-3789
http://mep.sdes.ucf.edu

The MEP has been developed to provide structured experiences to assist students are undecided about a major. Students are provided major exploration and career development connections as primary advising initiatives so they can make an informed decision on their future major at UCF. MEP has several components including coordinated academic advising services from a first year advising office, major and career exploration programming activities, and online assessments. The program’s services are also available to first-year students who are unsure about their major choice and to those considering a change of major.

First Year Experience (FYE)
Director: Erin Butler
HPH 216; 407-823-5105
Email: fye@ucf.edu
http://fye.sdes.ucf.edu

The First Year Experience office combines orientation with extended first year transition programs including UCF’s official Welcome Week, Pegasus Palooza, LINK (Learning and Interacting with New Knights),
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Convocation: The Knighting, Common Reading Program, Out of State Student Mentoring Program (OSSM), and the Strategies for Success course (SLS 1501). FYE assists entering freshmen and transfer students with their transition to UCF by providing information about student services, campus life, academic support, academic advising, and registration. Freshmen and transfer students are required to attend an orientation session prior to registering for classes. Students register for the program by visiting the FYE website at http://fye.sdes.ucf.edu. In addition, LINK assists FTIC students in their transition by creating, coordinating and promoting campus-wide, co-curricular educational programming and activities. Students also have the opportunity to serve in a variety of leadership roles with FYE including the Orientation Team (O-Team), OSSM peer mentors, Strategies for Success course peer mentors, Pegasus Palooza executive board members, and Student Orientation Coordinators. FYE also oversees the Pegasus Parent Program, which aims to provide parents and family members of UCF students with important information about UCF and its resources. Family Weekend is a part of the Pegasus Parent Program and occurs every fall semester during a home football game weekend.

Fraternity and Sorority Life (FSL)
Director: Clay Coleman
4100 Greek Park Drive (Fraternity and Sorority Life Building); 407-823-2072
http://fsi.sdes.ucf.edu

The Fraternity and Sorority Life office is committed to providing excellence in the areas of recruitment of new members. Fraternity and sorority leadership, the ability to create lifelong bonds through the principles encompassed in fraternal values. FSL fosters an inclusive environment and commitment to student growth, academic excellence, civic engagement, leadership development, positive relationships, and risk-reduction education. It encourages Greek community living and more importantly, developmental programming for individuals, chapters, chapter alumni boards, house corporation officers, and collegiate governing boards (i.e., Panhellenic Council (PAN), Interfraternity Council (IFC), National Pan-Hellenic Council (NPHC), Diversified Greek Council (DGC), and the Greek Council).

FSL can offer students a “home away from home,” a scholar support system, networking opportunities, an organization for community service, transferable skills for management and leadership development, and a foundation for long-lasting friendships. You can follow what’s happening within the Greek community via our Facebook page or our Twitter. Currently, there are 47 fraternities and sororities on UCF’s campus with more than 4,000 active Greek students. Greek organizations give college men and women a chance to excel in any area they choose and include students of every race, religion, culture, and background. Students are encouraged to take a closer look at UCF’s Greek community through participation in fraternity or sorority recruitment. It is important to be familiar with each council’s specific recruitment or new member intake process. For details, visit http://fsi.sdes.ucf.edu and select “Councils.” We encourage you to familiarize yourself with all of the councils to better understand the diversity of the Greek community and what each council has to offer.

Housing and Residence Life (HRL)
Executive Director: Christi Hartzler
HAB 123; 407-823-4663
http://www.housing.ucf.edu

The Department of Housing and Residence Life offers housing on the Orlando campus and the Rosen College of Hospitality Management campus for regularly enrolled students paying tuition and fees for a minimum of nine credit hours. Living on campus is strongly encouraged as it offers students available for freshmen to graduate students. Students may apply for housing immediately after being offered admission to the university. The online application process is available through myUCF. There is not enough on-campus housing for all students. Therefore, all students申请 to live on-campus should apply as early as possible. Application periods include academic-year agreements (fall/spring) with a separate application for summer or 11.5 month annual agreements (fall/ spring/summer). Many types of housing are available, ranging from suites in residence halls to luxury apartments with private bedrooms and bathrooms. Many first-year students who apply for academic year agreements will receive assignments in shared-bedroom suite-style residence halls. Private bedrooms in apartments are guaranteed only in the Towers at Knights Plaza located on the Orlando main campus, NorthView, located adjacent to the main campus or the Rosen College of Hospitality Management Student Apartments, located at the Rosen Campus. More information on the different housing options, rates, floor plans, etc., is available online at http://www.housing.ucf.edu.

Several different meal plans are available through UCF Dining Services. Information about meal plans is available online at http://www.ucfdining.com.

LEAD Scholars Academy (LSA)
Director: Stacey Malaret
FC 165; 407-823-2223
http://lsa.sdes.ucf.edu

The mission of the LEAD Scholars Academy is to establish an environment that will provide comprehensive leadership education, development, and civic engagement opportunities for the UCF community. Through collaboration and partnerships, the LSA incorporates educational, and experiential opportunities that challenge, empower, and educate students to become social change agents and encourages citizenship in a global society.

The primary vision for the academy is the development of an intentional and comprehensive program that targets specific groups, as well as provides campus-wide opportunities for students regardless of their class standing and/or level of involvement experience. Leadership programs will vary in duration from an extended program that may last several weeks or years to a one-day workshop. The focus is to provide a variety of programmatic options that recognize students have different needs, time constraints, and levels of interest.

The LSA academic program provides academic, service and experiential opportunities for students that combine in and outside of classroom challenges in both an academic and co-curricular environment. The application process for this academic program is open to all first time in college students prior to the beginning of their UCF career. Those accepted into the academic program have achieved student success.

All UCF students may participate in the LSA through various experiential tracks including campus engagement, civic engagement, leadership, enrichment and comprehensive program that targets specific groups, as well as provides campus-wide opportunities for students regardless of their class standing and/or level of involvement experience. Leadership programs will vary in duration from an extended program that may last several weeks or years to a one-day workshop. The focus is to provide a variety of programmatic options that recognize students have different needs, time constraints, and levels of interest.

The LSA academic program provides academic, service and experiential opportunities for students that combine in and outside of classroom challenges in both an academic and co-curricular environment. The application process for this academic program is open to all first time in college students prior to the beginning of their UCF career. Those accepted into the academic program have achieved student success.

The LEAD Scholars Academy offers opportunities for students to develop leadership skills through the following programs:

- Youth Leadership and Social Action (YLSA): A program designed to provide leadership and social action experiences to students who are interested in making a difference in their communities.
- LEAD Scholars Academy (LSA): A six-week summer program, Seizing Opportunities for Achievement and Retention (SOAR); coordinates the Brother to Brother, Knight Alliance Network (for Foster Care alumni) and Multicultural Transfer Students Programs. MASS offers personalized advising and support; monitors academic progress; sponsors a variety of multicultural summer programs.
- SEAMS: A six-week summer program, Seizing Opportunities for Achievement and Retention (SOAR); coordinates the Brother to Brother, Knight Alliance Network (for Foster Care alumni) and Multicultural Transfer Students Programs. MASS offers personalized advising and support; monitors academic progress; sponsors a variety of multicultural summer programs.
- LEAD Scholars Academy (LSA): A six-week summer program, Seizing Opportunities for Achievement and Retention (SOAR); coordinates the Brother to Brother, Knight Alliance Network (for Foster Care alumni) and Multicultural Transfer Students Programs. MASS offers personalized advising and support; monitors academic progress; sponsors a variety of multicultural summer programs.
- LEAD Scholars Academy (LSA): A six-week summer program, Seizing Opportunities for Achievement and Retention (SOAR); coordinates the Brother to Brother, Knight Alliance Network (for Foster Care alumni) and Multicultural Transfer Students Programs. MASS offers personalized advising and support; monitors academic progress; sponsors a variety of multicultural summer programs.

Additional programs are developed throughout the year to provide leadership enhancement and empowerment opportunities for UCF students. Through programming, networking, mentoring, personal development or experiential training, UCF students learn the skills needed to hold various leadership positions on campus and within their chosen career.

Multicultural Academic and Support Services (MASS)
Director: Wayne Jackson
SU 154; 407-823-2716
http://mass.sdes.ucf.edu

The Office of Multicultural Academic and Support Services provides comprehensive academic support, cultural enrichment, consultation, and referral services that promote the retention and graduation of multicultural and First Generation college students. MASS offers personalized advising and support; monitors academic progress; sponsors a variety of multicultural summer programs; Seizing Opportunities for Achievement and Retention (SOAR); coordinates the Brother to Brother, Knight Alliance Network (for Foster Care alumni) and Multicultural Transfer Students Programs. MASS serves as the focal point of operations in addressing the specific needs, issues, and concerns that confront multicultural and First Generation college students at UCF.

Neighborhood Relations and Safety Education (NRSE)
Assistant Vice President, Student Development and Enrollment Services: A.J. Range
Ferrell Commons, Building 7C, Suite 152; 407-823-6505
http://nrse.sdes.ucf.edu; http://offcampus.ucf.edu

While Neighborhood Relations and Safety Education is charged with assisting and providing information and resources for students, faculty, and staff with their search for off-campus housing accommodations, however, is to support and promote on campus housing for students. The NRSE office also has contact with and communicates to local off-campus apartment communities regarding student housing opportunities. This office also offers unbiased information and instructions for students wishing to sublease their off-campus apartment; and offers “moving off-campus” consultations and information about local services, i.e. transportation, furniture rental information, dry cleaning, shopping, and utilities.

NRSE further serves UCF students, who live off campus, with directions and information regarding a variety of on-campus programs,
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Office of Student Involvement (OSI)
Interim Director: Shane Juntunen
SU 208; 407-823-6471
Email: osi@ucf.edu
http://osi.ucf.edu

The mission of the Office of Student Involvement is to provide quality programs, services, and leadership opportunities that enrich students' academic endeavors and enhance the campus environment. Students and staff collaborate to develop programs and services which encourage student's personal growth, promote civic responsibility, embrace differences, and connect students to the campus and the community.

To fulfill our mission, OSI's staff members oversee the registration and management of more than 600 registered student organizations (RSOs), as well as the advisement and coordination of the following student groups: Campus Activities Board (CAB), Graduate Outreach (GO) Homecoming, Knight-Thon, Knights of the RoundTable (KoRT), Late Knights, OSI Podcasts, Regional Outreach Services (ROS), Student Government Association, Volunteer UCF (VUCF), and Knights of the Turntables, OSI's DJ service. OSI wishes to support all members of our UCF community and encourages any person in need of an accommodation to participate in our programs or services to email us at osi@ucf.edu. OSI is funded by SGA.

Office of Student Rights and Responsibilities (OSRR)
Executive Director, Assistant Dean of Students, Deputy Title IX Coordinator: Dana Juntunen
Ferrell Commons, Building 7G, Suite 227; 407-823-4638

The Office of Student Rights and Responsibilities promotes a campus climate of integrity, civility, accountability and student well-being by providing a wide array of resources, education, and support services for the university community. OSRR is comprised of: Student Conduct, Integrity and Ethical Development and Student Care Services. OSRR also oversees the Golden Rule Student Handbook, The UCF Creed and Title IX reports perpetrated by a student on a student.

Office of Integrity and Ethical Development (IED)
Director: Jennifer Wright
Ferrell Commons, Building 7F, Suite 142; 407-823-3477
http://ied.sdes.ucf.edu

The Office of Integrity and Ethical Development specializes in the promotion of individual responsibility and personal development. Programs are designed to develop awareness toward integrity, ethical decision-making, conflict resolution, and supportive communication. Services include mediation, coaching sessions, and outreach workshops. These services are designed to provide students (undergraduate and graduate) with the college life skills necessary for academic and personal success at UCF.

Office of Student Conduct (OSC)
Director: Michael Gilmer
Ferrell Commons, Building 7G, Suite 227; 407-823-4638
http://osc.sdes.ucf.edu

The Office of Student Conduct handles complaints against UCF students and student groups (but not faculty or staff). The complaint must indicate a possible violation of one or more of the Rules of Conduct or Conduct Regulations of Student Organizations located in the Golden Rule Student Handbook. Copies of the Golden Rule Student Handbook may be obtained at the office or can be viewed on the Internet at: http://goldenrule.sdes.ucf.edu.

Student Care Services (SCS)
Assistant Director: Ann Marie Palmer
Ferrell Commons, Building 7F, Suite 142; 407-823-5607
http://scs.sdes.ucf.edu; http://cares.sdes.ucf.edu

Student Care Services offers guidance, resources, and referrals to UCF students who are experiencing a distressing situation which significantly impacts academic or personal success. The SCS team coordinates referrals to campus and community resources, develops action plans for student success, oversees the Student of Concern process, and provides education and outreach to university and community members. Our goal is to intervene before a student reaches crisis level and ensure the safety of both the student and the UCF community. SCS also oversees UCF Cares, an umbrella of care-related programs, resources and staff dedicated to fostering a caring community of Knights.

Recreation and Wellness Center (RWC)
Executive Director: James Wilkening
RWC: 407-823-2408
http://rwc.sdes.ucf.edu

The Recreation and Wellness Center supports and strengthens the mission of the UCF. The mission of the department is to foster healthy lifestyle choices and wellness through efficient services, comprehensive programs and high-quality facilities. The RWC is designed to enrich campus life and advance the university’s educational mission. Benefits of participation include the application of leadership, decision-making, problem solving, conflict management, communication and social skills. We strive to provide the safest, cleanest, highest quality, most dependable and enjoyable services. The RWC aspires to create a campus environment in which we celebrate the differences we share across the spectrum of human diversity. The RWC strives to set and stay ahead of the national standards for university recreational programs and facilities by offering unique and innovative student development and leadership opportunities, while seeking to be inclusive and adaptable to the needs of all UCF students.

The RWC is comprised of six different programs: Athletic Training, Aquatics, Fitness (which includes Adaptive and Inclusive Recreation and Student Assisted Workout for students with disabilities), Intramural Sports, Outdoor Adventure and Sport Clubs. The RWC also includes outdoor facilities: tennis courts, sand volleyball courts, a lap and leisure pool, the RWC Park (turf and grass fields and a softball/baseball field), the Challenge Course, a disc course and the Lake Claire Outdoor Recreation Area. The indoor facilities include the main building and RWC @ Knights Plaza. The RWC facilities and programs offers are open to students of any ability with a valid UCF ID. Memberships are available to non-students. The RWC is funded by the Student Government Association.

Wellness and Health Promotion Services (WHPS)
Director: Maureen Hawkins
Recreation and Wellness Center Building, Suite 111; 407-823-5841
http://whps.sdes.ucf.edu

Wellness and Health Promotion Services aims to assist every UCF student in being a “Healthy Knight” and coordinates the campus Healthy Knights 2020 initiative. WHPS recognizes the role of lifestyle in sustaining wellness and academic success, by offering a wide range of health promotion and risk reduction services on topics including: sexual wellness, nutrition, stress management, sleep hygiene, body acceptance, smoking cessation, and healthy relationships. A variety of health care is provided by health professionals including screening and education, along with HIV testing and counseling, wellness coaching and biofeedback assisted relaxation training. Trained Peer Health Advocates help promote healthy behaviors both by staffing Health Huts around campus and by facilitating interactive workshops.

Registrar's Office (RO)
University Registrar and Executive Director: Brian C. Boyd
MH 161; 407-823-3100, HelpLine: 407-823-3533
Email: registrar@ucf.edu
http://registrar.sdes.ucf.edu

The Registrar’s Office, with a commitment to quality service and leading edge technology, provides timely and accurate enrollment information and access for students, colleges and departments, effectively meets student administrative needs, ensures complete records management from registration through graduation and archived data stores. The office maintains the integrity of student permanent academic records and implements procedures in accordance to university policies through campus-wide communication, collaboration, and leadership. In addition, the RO is responsible for management of education, registration of classroom resources, admission, registration, student admissions, residency reclassification, student veteran services, NCAA Division I initial and continuing eligibility, the Knights Graduation Grant Initiative, Commencement, and publication of course offerings. Commencement programs, the Undergraduate Advising Guide, and the online Undergraduate Catalog.

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SDES TRIO Center
Director: Rebekah McCloud
HPH 208; 407-823-4165
http://trio.sdes.ucf.edu

PRIME STEM
PRIME STEM/Student Support Services is a federally-funded TRIO program (U.S. Department of Education). The program supports college students pursuing STEM (Science, Technology, Engineering and Mathematics) and Health Sciences majors who are first-generation, low income, and/or have a documented disability. The project offers academic support services and resources to assist PRIME STEM scholars to successfully complete a STEM or Health Sciences degree. As an advocate for access to higher education, PRIME STEM/Student Support Services is committed to providing the support necessary to empower participants in developing and achieving academic goals.

Project BEST
Project BEST/Student Support Services is a federally-funded TRIO program (U.S. Department of Education). The program supports college students who are first-generation, low income, and/or have a documented disability. The project offers academic support services and resources to assist Student Support Services scholars to successfully complete an undergraduate degree. As an advocate for access to higher education, Student Support Services is committed to providing the support necessary to empower participants in developing and achieving academic goals.

Social Justice and Advocacy (SJA)
Director: Edwanna Andrews
SU 207; 407-823-0401
Email: sja@ucf.edu
http://www.sja.sdes.ucf.edu

Social Justice and Advocacy is responsible for providing oversight to the Multicultural Student Center and LGBTQ+ Services. The mission of SJA is to promote an equitable campus environment where all are assured that diversity, in its many forms, is valued. We will support efforts to increase equal access to campus resources and opportunities, while cultivating inclusiveness to the least advantaged members of the campus community. SJA will advocate to decrease obstacles that prevent students from succeeding at UCF. SJA, MSC and LGBTQ+ Services provides programming and initiatives to advocate for a socially just campus community.

Student Academic Resource Center (SARC)
Director: Rebecca Piety
HPH 113; 407-823-5130
Email: sarc@ucf.edu
http://sarc.sdes.ucf.edu

The Student Academic Resource Center provides high-quality programs and services that enable UCF students to achieve their academic goals. Programs include: Supplemental Instruction (SI), peer tutoring, learning skills consultations, and academic success workshops. The SI program focuses on providing assistance to students enrolled in historically difficult courses such as human anatomy, biology, chemistry, microbiology, engineering, computer science, and physics. By attending these peer-led study sessions, students have an opportunity to meet outside of class to compare notes, discuss important concepts, and develop strategies on how to learn the subject matter. Free peer tutoring is also available for many UCF subject areas, such as accounting, physics, engineering, statistics, and biology, to name a few. In total, SARC provides group tutoring for more than 30 different courses. Learning skills specialists are also available for students who need college-level study skills advice or those who wish to enhance their educational experience. Each semester, SARC offers a series of academic success workshops designed to address common student issues. Among these are test-taking strategies, time management, goal setting, and classroom etiquette. SARC also offers study skills assessments and online resources to help students become successful at the college level.
The Office of Student Accessibility Services facilitates campus access and reasonable accommodations for students with disabilities. Such accommodations may include, but are not limited to, classroom accommodations (including examination accommodations), alternative format text materials, captioning/interpreters, and information and referral to campus and community services. Reasonable accommodations are available to, but not limited to, students with ADHD, hearing and visual impairments, physical disability and/or health-related impairment, psychological and/or psychiatric disorder, specific learning disability (such as dyslexia), speech impairment, or other disabilities. After admission to the university, students who want to explore reasonable academic accommodations should connect with SAS. Students can meet with a consultant in-person, by phone or via Skype. Students should not worry about having the “right” documentation at the time of the meeting. Any documentation needs can be discussed during the initial conversation. The most up-to-date initial contact procedures can be found at http://www.sas.ucf.edu. Students are encouraged to come to SAS and explore the possibilities and options without feeling a need to commit to utilizing any resources. The student determines how to proceed based on the information presented and personal preferences. All information is confidential and will be used only to coordinate accommodations with appropriate UCF personnel.

Inclusive Education Services (IES)

Location FC 155; 407-823-2371
Email: ies@ucf.edu
http://ies.sdes.ucf.edu/

The office of Inclusive Education Services provides an innovative and distinctive post-secondary educational experience to individuals with intellectual disabilities. The office facilitates meaningful immersive UCF community experiences for college students with intellectual disabilities via diverse academic, professional, personal, and social opportunities with the goal of advancing employability, independence, and life satisfaction. Students admitted to UCF through this initiative will enroll as non-matriculated students.

Student Financial Assistance (SFA)

Director: Alicia Keaton
MH 120; 407-823-2827
http://sfaid.ucf.edu/

The Office of Student Financial Assistance is dedicated to supporting UCF’s mission and goals through the efficient delivery of student aid. The office provides UCF students with a comprehensive offering of financial assistance options to support student success and the attainment of a university degree. Financial aid counseling is available on a walk-in basis. To protect the privacy of student records, SFA offers limited counseling services through phone and email.

The Student Government Association’s purpose is to represent students on issues affecting UCF and to promote progressive changes that improve campus life. In advocating better communication and understanding among the UCF family, SGA also provides numerous services that affect student life. These services include free printing in the SGA Computer and Express Printing Labs, discount tickets to movie theaters and theme parks, legal services, recreational opportunities through the Recreation and Wellness Center and Sport Clubs Council, programming through the Campus Activities Board, Homecoming, Volunteer UCF, Late Knights, Multicultural Student Center, Knight-Thon, Knights of the RoundTable, and much more.

Money allocated by SGA for these services comes from Activity and Service Fees that students pay during registration. Additionally, registered student organizations may receive funding for events, activities, and travel to conventions. SGA coordinates its efforts with the Florida Student Association in lobbying for students’ rights at the local, state, and national levels. SGA’s structure is modeled closely after the United States federal government system in that it contains three branches: Executive, Legislative, and Judicial. The Executive branch, comprised of the Student Body president, vice president, and cabinet, and oversees the daily administrative operation of SGA. The Legislative branch funds registered student organizations and also passes bills and resolutions benefiting the student body. The Judicial branch oversees and takes part in hearings concerning constitutional, legislative, and student rights issues. All students are encouraged to take an active role in SGA. For information about how to become involved with SGA, or how your student organization can receive funding, contact the SGA office.

Student Health Services (SHS)

Executive Director: Michael Deichen, M.D., M.P.H.
Student Health Services Building, Suite 309; 407-823-2701
http://www.studenthealth.ucf.edu

Student Health Services is accredited by the Accreditation Association for Ambulatory Health Care. The mission of SHS is to provide excellent healthcare that delivers value and promotes lifelong well-being to the UCF community.

SHS provides care at four convenient locations: the main campus Health Center; Knights Plaza at the north end of campus; the College of Medicine; Rosen College of Hospitality Management. SHS is staffed by board-certified physicians, dentists, pharmacists, advanced registered nurse practitioners, physician assistants, registered nurses, licensed practical nurses, certified medical assistants and a full complement of other medical and support personnel who provide laboratory and radiology services.

SHS insurance office staff will assist students with filing insurance claims. As of March 2015, SHS physicians are contracted in-network providers with BlueCross BlueShield PPO and Blue Options, United Healthcare, Aetna, AvMed, and Cigna health insurance plans. This enables patients to use SHS providers for their primary care needs and realize cost savings through covered services. SHS will bill any insurance company as a courtesy to patients as they may be eligible for out-of-network benefits.

SHS endorses several optional health and accident insurance plans for students. Please visit our website for additional information regarding these plans. The optional plans are separate from the health fee students are required to pay each semester. However, when purchased, the insurance may cover most of the charges incurred at SHS and also provides benefits for services that are beyond the scope of the campus SHS program, such as hospital referrals and specialty care (subject to co-pays and deductibles). Charges incurred outside the SHS are the responsibility of the student, including transport by ambulance.

The SHS Dental Center, housed within the main Health Center, provides preventive, restorative and cosmetic dental services by appointment at 407-923-1835. Prices are discounted for students. The Dental Center accepts dental insurance PPO plans and payment plans are available for various treatment plan options.

SHS also oversees an Alcohol and Other Drugs (AOD) program. The program is licensed by the State of Florida to provide substance abuse prevention education, intervention, and outpatient treatment services. Campus outreach, substance abuse treatment and recovery services are available to UCF students.
Two convenient pharmacy locations on campus are staffed by pharmacists passionate about patient education and providing excellent customer service. Our principal pharmacy is located in the main Health and Wellness Center, and a satellite pharmacy is located within the Wellness Center at Knights Plaza. The pharmacies accept over 250 prescription insurance plans and offer competitive prices for those students who do not have insurance coverage.

When SHS is closed, students may obtain information and help from the SHS telephone message at 407-823-2701 or its website that provides access to a 24-hour Nurse Line and FreeMD (the web-based interactive system to help students make decisions about health needs). If the situation is urgent, students should call 911 or access one of the hospitals or walk-in clinics identified via http://www.studenthealth.ucf.edu

(charges for services are the student’s responsibility).

Student Legal Services (SLS)
Director and Associate General Counsel: Patricia Dullaghan
FC 142; 407-823-2538
http://sls.sdes.ucf.edu

Student Legal Services provides students with advice and consultation, including court representation, in selected areas of law such as landlord/tenant disputes, consumer issues, wills, uncontested divorces, name changes, Chapter 7 Bankruptcies, traffic tickets, criminal cases including misdemeanors and felonies of third degree, and sealing and expunging of criminal records. Services are provided free of charge to students who are currently enrolled at UCF and paying activity and service fees; including those attending the regional campuses, Rosen College, and the College of Medicine. Students in need of legal services should contact the SLS office to schedule an appointment.

Student Outreach Services (SOS)
Director: Rhonda C. Hall
Orlando Tech Center, 12479 Research Parkway, Bldg. 600, Suite 215, Orlando, 32826; 407-823-6580
http://www.reachout.ucf.edu

The primary mission of the Office of Student Outreach Services is to attract, motivate, and prepare underrepresented middle and high school students from the local area to pursue and complete a college education. Students and their families are offered a variety of opportunities and programs designed to assist in the navigation of the college admissions, financial assistance, and career preparation processes. SOS is committed to partnering with the UCF community and other external agencies and organizations vital to providing quality programming for all of participants.

Student Union (SU)
Director: Rick Falco
SU 312; 407-823-3677
http://www.ucf.edu/studentunion

The Student Union is the Heart of Campus and provides the campus community with a variety of meeting rooms, offices, programs, and services. The Union is home to a great variety of restaurants including Joffrey’s Coffee, Greens Salad Bar, Smoothie King, Subway, Dominos, Pita Spot, Wackadoo’s Grub and Brew, Qdoba, Nathan’s Famous, Asian Chao, Huey Magoo’s, Corner Café and Topper’s Pizza. The Student Union also offers the Knights Helping Knights Food Pantry, All Knight Study at Ferrell Commons and the All Knight Study Lounge located at the UCF Arena. All Knight Study at the Arena is generally open 24/7 and Ferrell Commons location is open 24/5 (excluding holidays and semester breaks) as well as Bike Repair and Bike Share programs. The Union is open until midnight on Saturday and Sunday, 1 a.m. on weekdays (excluding holidays and semester breaks). For information, call the Information Desk at 407-823-0001. The Student Union is funded by SGA.

Transfer and Transition Services (TTS)
Director: Jason Dodge
HPH 221; 407-823-2231
http://transfer.sdes.ucf.edu

Transfer and Transition Services helps transfer students make a seamless transition for a more successful experience at UCF. The office provides the following resources and services:

- General advising and referral for transfer students before and after they enroll at UCF.
- Referral to DirectConnect advisors at partnering colleges: Eastern Florida State College, Lake-Sumter State College, Seminole State College, Valencia College; College of Central Florida, and Daytona State College.
- Academic exploration and advising for transfer students who are undeclared majors, undecided, or changing majors.
- Current information about university programs and policies including entrance and exit requirements.
- Advocacy and assistance in resolving transfer issues.
- Transition advising services for currently enrolled juniors and seniors who are undeclared or changing majors.
- Connections to the campus community with: Peer Mentors, transfer clubs and organizations including Tau Sigma and Transfer Knights Club, and TTS sponsored events.

Undergraduate Admissions (UA)
Associate Vice President: Gordon Chavis, Jr.
Duke Energy UCF Welcome Center; 407-823-3000
Email: admission@ucf.edu
http://www.admissions.ucf.edu/

The Office of Undergraduate Admissions coordinates the admission and enrollment of all undergraduate first-time-in-college, transfer, nondegree, and non-Florida public institution transient students to UCF. The office’s primary mission is to identify, recruit and enroll talented, diverse and academically qualified students who will contribute to and achieve growth and success at the UCF.

Office hours are: Mondays and Thursdays, 9 a.m.-6 p.m., Tuesdays, Wednesdays, and Fridays, 9 a.m.-5 p.m.

Veterans Academic Resource Center (VARC)
Director: Paul Viau
Veterans Academic Resource Center, CFE Arena; 407-823-2707
Email: varc@ucf.edu
http://varc.sdes.ucf.edu/

The Veterans Academic Resource Center recognizes and supports student veterans as they transition from military to student life. The VARC, a unit of the Registrar’s Office, is a collaboration among the offices of Career Services, Counseling and Psychological Services, Student Academic Resource Center, Student Accessibility Services, and Transfer and Transition Services, and provides the home for Veteran Services.

Located at UCF Knights Plaza/CFE Arena, across from Barnes & Noble@UCF, the VARC is open 9 a.m.-5 p.m., Mondays through Fridays, and provides study, tutor, and a lounge area for student veterans, as well as programs and events designed specifically for student veterans’ needs.

Vetern Services
Assistant University Registrar: Bethany Glassbrenner
Veterans Academic Resource Center, CFE Arena; 407-823-2707
Email: varc@mail.ucf.edu
http://varc.sdes.ucf.edu/benefits

Veteran Services serves all veteran students and eligible dependents who are using VA educational benefits to further their education. The office provides information concerning entitlements, filing claims to the Department of Veterans Affairs (DVA), certifying enrollment at the university, and deferring tuition and fee payments. Veterans and eligible dependents must be certified through Veteran Services each term to receive VA educational benefits. All veterans and eligible dependents are urged to consult Veteran Services early in the UCF admissions process for information about Veteran Services.

To maintain eligibility for VA education benefits, students must adhere to the policies and procedures for VA educational benefits as noted on the GI Bill website (http://www.benefits.va.gov/gibill/).

UCF, being a member of SOC (Service Members Opportunity College), provides credit for various military training and education. Credit is awarded for regionally accredited schools and courses only. Transfer credit is awarded per the recommendations of the American Council on Education (ACE) Guide, based upon courses and/or training listed on the DD Form 214, SMARTS, ARTS, or other official military record. U.S. Air Force veterans must coordinate with the Community College of the Air Force to provide official CCAF transcripts to the Office of Undergraduate Admissions.

Students eligible for VA educational benefits may also be eligible for VA assistance to cover tuition and fees. The VA Defeasible due date contained in the “Academic Calendar” (http://calendar.ucf.edu/). Students eligible for financial aid adequate to cover tuition and fees are not eligible for this deferment.

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For fall and spring semesters, undergraduates must carry at least 12 credit hours for full-time VA benefits, 9 to 11 credit hours for three-quarter time benefits, and 6 to 8 credit hours for half-time benefits. Five credit hours or less will be reimbursed at the cost of tuition and fees or quarter-time depending on their VA Chapter. Check Veterans Services website for summer term course load and other FAQs.

Students currently enrolled at UCF and another institution may receive VA educational benefits, but first must complete the appropriate Transient Form and consult with Veterans Services. Veterans and eligible dependents who desire to change their major, or pursue a dual major, dual degree, or who add a minor may receive VA educational benefits but must obtain approval from DVA before taking any of the applicable courses. This includes a minor in military science. NOTE: some majors may have extra elective hours that can be used for courses for a minor or another major.

To continue to be able to receive VA educational benefits, students must maintain satisfactory academic progress and conduct. Individuals placed on academic probation must raise their grades to a UCF GPA of 2.0 or above and be removed from probation within the next two semesters to continue to receive benefits.

Accordingly, benefits will be terminated for individuals who are disqualified, excluded, suspended, or expelled from the university. If reinstated by the university following disqualification or suspension, the veteran or eligible dependent must contact Veterans Services to have their VA educational benefits re-activated.

Veterans and eligible dependents also may draw VA benefits during the periods of eligibility while on Cooperative Education assignments. Payment is received during both the on-campus and off-campus work terms. Contact Veterans Services for more specific benefit information on Cooperative Education.

UCF is designated as a VA “Yellow Ribbon” institution to help defray the out-of-state tuition. Out-of-state student veterans and dependents may apply for “Yellow Ribbon” program eligibility when certifying their GI Bill education benefits. Please go to: http://varc.sdes.ucf.edu/docs/ucfyellowribbonprogram_rules.pdf for more information.

The C.W. Bill Young Veteran Tuition Waiver Program is available to any honorably discharged veteran of the U.S. Armed Forces, U.S. Reserve Forces, or the National Guard who is not considered a Florida resident for tuition purposes but who resides in Florida while attending UCF. Please go to http://varc.sdes.ucf.edu/benefits for more information and application requirements.
Transfer and Transition Services
Director: Jason Dodge
HPH 221; 407-823-5959, Fax: 407-823-3955
Email: tservices@mail.ucf.edu
http://transfer.sdes.ucf.edu

Transfer and Transition Services helps students accomplish a smooth and efficient transfer to UCF. Students transferring with an A.A. or articulated A.S. from a DirectConnect partner school are guaranteed admission (upon meeting admission criteria). Partner institutions include College of Central Florida, Daytona State College, Eastern Florida State College, Lake-Sumter State College, Seminole State College, and Valencia College. Florida College System institution and university A.A. graduates are guaranteed certain rights and privileges according to the statewide Articulation Agreement.

Students transferring with an A.S. in one of the statewide articulated degree programs should refer to the “Articulated A.S. Programs” chapter of this Undergraduate Catalog. Any questions about these programs should be directed to the Director of Transfer and Transition Services.

Where Can I Go For Help?
For information or assistance during the transfer process, you may contact Transfer and Transition Services, located in Howard Phillips Hall, room 221. Call the Student HOTLINE at 407-823-5959 for immediate access to staff during regular business hours. Visit the website at http://transfer.sdes.ucf.edu.

Transfer and Transition Services provides the following services and resources:
- Accurate and current information about university programs and policies including entrance and exit requirements, as well as information concerning:
  - General academic advising for transfer students before and after they enroll at UCF
  - Pre-admission academic advising for students applying to UCF
  - Advising for students who are undeclared, undecided, or changing majors
  - Peer Mentors provide advising and transition assistance by telephone, email, and office appointments
  - Student information and advising HOTLINE 407-823-5959
  - Website for transfer students (http://transfer.sdes.ucf.edu)
  - Transfer Knights social club; Tau Sigma Transfer Honor Society
  - Orientation advising and assistance

How Can a Florida College System Institution Counselor or Advisor Help Me?
It is important that you are kept informed of all requirements for transferring to UCF. Florida College System institution counselors and advisors are provided with information and resources about the requirements to transfer to UCF. They can help you determine which classes you need to complete before transferring. Additionally, they have access to information for limited access majors that have special requirements: application deadlines, GPA, testing, portfolios, letters of recommendation, etc.

DirectConnect to UCF provides A.A. and A.S. students and alumni of College of Central Florida, Daytona State College, Eastern Florida State College, Lake-Sumter State College, Seminole State College, and Valencia College guaranteed access to UCF. Meet with a DirectConnect advisor as soon as you earn 30 credit hours.

Why Should I Complete My A.A. Before Transferring From a Florida Public Institution?
Receiving your A.A. from a Florida public institution ensures special benefits guaranteed under the statewide Articulation Agreement. The following are some of the advantages of receiving your A.A.:
- Priority in admission to state universities;
- Acceptance of at least 60 credit hours toward the baccalaureate degree; no additional general education core requirements;
- Acceptance of all courses taken at your institution, if the same course with the same course number is offered at UCF;
- All grade forgiveness awarded under the A.A. will be honored.

Priority admission is given to A.A. and articulated A.S. graduates from the Florida public community and state colleges and state universities.

If you do not complete an A.A. at a Florida College System institution or university, you must complete UCF’s general education requirements, which may be considerably different from your previous institution’s requirements. If you have met all the A.A. requirements, you should have “General Education Requirement Met” placed on your transcript to assure getting credit for meeting General Education and Gordon Rule requirements. Without this statement you must satisfy UCF’s general education requirements and Gordon Rule courses. If your grade point average falls below a 2.0 (without grade forgiveness), you will not be admitted.

What Are the Foreign Language Requirements?
Admission Requirement: To be admitted you should complete two years of the same foreign language or American Sign Language in high school (document by submitting an official high school transcript), or at the post-secondary elementary 2 level, or pass a CLEP or other proficiency examination. Students admitted without this requirement must satisfy it prior to graduation.

Graduation Requirement: Some baccalaureate degrees require students to demonstrate foreign language proficiency as a graduation requirement; this requirement may be satisfied by college-level course work or testing equivalent to two semesters of college instruction. Some majors require additional proficiency; some departments accept American Sign Language to meet the proficiency. Consult the UCF Undergraduate Catalog for graduation requirements for specific majors. High school courses will not satisfy graduation foreign language requirements. International students required to provide TOEFL scores for admission are considered to have satisfied the graduation requirement.

How Will My Credits Transfer?
All college level credits earned for which official transcripts have been submitted will be compiled into a Transfer Summary Report (TSR), which is available online after your admission to UCF. The TSR is the basis for constructing a degree audit, which applies earned credits toward your intended degree program. The audit provides you with an assessment of which degree requirements have been met and which remain to be satisfied. You will use the audit to schedule courses that meet your remaining requirements.

Common Program Prerequisites: To view generic course substitutions for Common Program Prerequisites that may be offered at the Florida College System institutions or other state universities, please go to the Florida Virtual Campus website at https://www.floridashines.org. Usually these courses will be substituted automatically in your audit to fulfill the correct requirement.

Some credits listed on the TSR may not be applicable toward graduation course requirements; e.g., some departments do not accept a transfer grade of “D” (1.0). You should review the TSR carefully to ensure that all credits are included. Courses not automatically credited to your degree program must be evaluated on a course by course basis. General education courses are evaluated through Academic Services; all other courses are evaluated by the academic department offering the courses.

You must make sure that all official college transcripts, including a final transcript from the last institution you attended, are submitted to the Undergraduate Admissions Office within ten days of the start of your first term at UCF. If Admissions does not receive them, a hold is placed on your record, making it difficult for you to receive financial aid or to register for a future term.

When Do I Pay My Bill?
For students taking courses at UCF for the first time, tuition and fee payments are due by the published deadline. Students can print a copy of their Fee Invoice online from myUCF (https://my.ucf.edu). A late payment fee of $100 will be assessed on all accounts not paid or deferred by each term’s payment deadline. Please note that you will not be sent a bill. It is up to you to view your Fee Invoice through myUCF. If you decide not to attend, but have registered for classes, be sure to drop all classes, or you will be fee liable.

Financial Aid deferments will automatically be reflected on your Fee Invoice. If the total amount of your tuition and fees exceeds the amount of your deferment, the difference must be paid by the due date on your Fee Invoice. The following programs are not included in the automatic deferral program: work/study programs, third party deferments, other waivers, and direct pay scholarships.
Can Transfer Students Participate in The Burnett Honors College?

Qualified students who transfer to UCF with an honors A.A. from a Florida College System institution that has signed an articulation agreement with The Burnett Honors College will be admitted into University Honors with junior standing. Florida College System institution transfers and other students who have completed their general education requirements may participate in the Honors in the Major program through the completion of departmental honors requirements, including an original research project. Transfer students who apply for admission to departmental honors programs must have a minimum GPA of 3.5 in their major. Successful completion of either honors program will be noted on your transcripts and diploma. For more information, call 407-823-2076 or visit the honors website at http://honors.ucf.edu.

Transfer Tips:

Office Visits for Transfer Advising

- Students are encouraged to contact Transfer and Transition Services or their DirectConnect advisor with questions or to schedule an appointment to meet with an advisor. Advisors are available Monday through Friday, 8:00 a.m. to 5:00 p.m.

- Transfer students must declare a major; students undecided about their major should contact Transfer and Transition Services for advisement.

- Undeclared students with 45+ credit hours are placed on advising hold.

Students should:

- Submit your application as soon as you have earned 45 credit hours, at least six months in advance. Do not wait until the A.A. is awarded to apply. You can be admitted “contingent upon completion of the A.A.” if you meet specific admission requirements. By applying early and being admitted, you will be invited to an early Orientation.

- Keep a transfer diary. For each contact with UCF, record the name of the person with whom you spoke, the date, and the type of request. Keep a copy of all correspondence you send and receive.

- Have original transcripts from all institutions you have attended sent directly to the Undergraduate Admissions Office. If you are currently enrolled, send a transcript when applying and a final transcript when classes are completed.

- Attend the earliest Orientation session possible. You will have more course selections and registration choices. You should bring copies of all transcripts (transcripts sent in for admissions purposes are not available for advising during Orientation). You are advised (in groups) and then allowed to register. Tuition and fee payments are due by the published deadline.

- Complete the “Immunization Form.” Registration is not allowed without the completion and approval of this form.

- Complete the “Free Application for Federal Student Aid” (FAFSA). To be considered for all aid available, your financial aid file should be complete by March 1.

Transfer Checklist

<table>
<thead>
<tr>
<th>Before Completing the A.A. or Articulated A.S.</th>
<th></th>
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<tbody>
<tr>
<td>Y____ N___</td>
<td>met with a DirectConnect advisor</td>
</tr>
<tr>
<td>Y____ N___</td>
<td>met with counselor or advisor for graduation check</td>
</tr>
<tr>
<td>Y____ N___</td>
<td>completed application for graduation</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Application for Admission</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><em><strong>/</strong></em>/___</td>
<td>date submitted</td>
</tr>
<tr>
<td>Y____ N___</td>
<td>checked admission status at <a href="https://my.ucf.edu">https://my.ucf.edu</a></td>
</tr>
<tr>
<td><em><strong>/</strong></em>/___</td>
<td>date of acceptance</td>
</tr>
</tbody>
</table>

| Transcripts |  |
| (original transcript from all institutions attended) |  |
| Y____ N___ | transcripts sent from all current and prior institutions |
| Y____ N___ | Final transcript sent after term completed |

<table>
<thead>
<tr>
<th>Financial Aid/Scholarship</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><em><strong>/</strong></em>/___</td>
<td>date financial aid application (FAFSA) sent</td>
</tr>
<tr>
<td><em><strong>/</strong></em>/___</td>
<td>date SCHOLARSHIP application sent</td>
</tr>
<tr>
<td>Y____ N___</td>
<td>“to do” list checked on myUCF</td>
</tr>
</tbody>
</table>

| Housing |  |
| Y____ N___ | reviewed OCSS handbook: Survival Guide for Living off Campus |
| ___/___/___ | date application sent (include deposit when required) |

<table>
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<tr>
<th>Immunization</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><em><strong>/</strong></em>/___</td>
<td>date Student Health Form submitted</td>
</tr>
<tr>
<td>Y____ N___</td>
<td>need immunizations</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Foreign Language Requirements (Admission)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Y____ N___</td>
<td>2 years/units earned in high school</td>
</tr>
<tr>
<td>Y____ N___</td>
<td>Elementary level 2 earned in college</td>
</tr>
<tr>
<td>Y____ N___</td>
<td>credits to be taken at the university</td>
</tr>
</tbody>
</table>

Note: Although American Sign Language may be used to satisfy the UCF admission requirement, it may not satisfy graduation requirements of the specific major.

<table>
<thead>
<tr>
<th>Program (Major) Requirements</th>
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<tbody>
<tr>
<td>Y____ N___</td>
<td>selected a major</td>
</tr>
<tr>
<td>Y____ N___</td>
<td>completed major prerequisites</td>
</tr>
<tr>
<td>Y____ N___</td>
<td>submitted limited access application</td>
</tr>
<tr>
<td>Y____ N___</td>
<td>met grade point average (GPA) requirements</td>
</tr>
<tr>
<td>Y____ N___</td>
<td>met cumulative GPA for admission to program of study</td>
</tr>
<tr>
<td>Y____ N___</td>
<td>met cumulative GPA in courses taken for program of study</td>
</tr>
<tr>
<td>Y____ N___</td>
<td>met grade requirements for designated courses</td>
</tr>
<tr>
<td>Y____ N___</td>
<td>met audition/portfolio/additional admission requirements</td>
</tr>
</tbody>
</table>

<table>
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<tr>
<th>Orientation:</th>
<th></th>
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</thead>
<tbody>
<tr>
<td><em><strong>/</strong></em>/___</td>
<td>Orientation date at UCF</td>
</tr>
</tbody>
</table>
Responsibilities

Academic advising is a process that assists students in the clarification of life goals and the translation of these goals into educational plans. It provides assistance to students as they explore educational opportunities and develop educational plans and objectives. Academic advising connects students with the University by bringing meaning to its mission, its curriculum and to the learning environment that is the University community. Academic advising is committed to assisting and supporting students with developing their educational, career and life goals. It provides access to campus resources, and coordinates the integration of all aspects of student life into learning experiences. It is an individualized avenue of communication that assists students in the planning and decision-making process.

Although academic advisors provide assistance, it is the student’s responsibility to know the university policies, procedures, requirements, and seek out assistance when needed. There are a variety of academic advising systems available at UCF in each of the colleges, schools, and the Division of Student Development and Enrollment Services.

Freshman (First Time in College - FTIC)

Every incoming freshman is assigned a professional first year academic advisor in one of the five offices listed below. These advisors also collaborate with the University’s Colleges and Schools, and link students to advisors in various academic programs. The assignment of a first year advising office will be based on the specialized services of each program and the student’s particular needs. Please know that although you have been assigned to an advisor in one of the offices, you are not limited to seeking help there. Academic advising is one of the most important services provided at UCF and can impact a student’s successful progression to graduation.

New FTIC Students can expect to:

1. Attend a mandatory UCF Orientation that will provide:
   a. Initial academic advising in a group setting and preparation for the first term, including schedule planning and registration
   b. An assessment of high school grades, entrance and placement test scores, and AP, dual enrollment and CLEP credit;
   c. An awareness of expectations for success at UCF; and,
   d. Information about key academic policies and important deadlines.

2. Connect with their first year advising office according to the following designated priority order:
   a. First Year Advising and Exploration (FYAE) - for first year students in the EXCEL, COMPASS, LEARN Living Learning Community, STEP, the College Achievement Program (CAP), Pegasus Success Program, SOAR program and the Out of State Student Mentoring (OSSM) Living Learning Community programs and those not in a special population listed below (HPH 116)
   b. Academic Services for Student-Athletes (ASSA) - for student athletes (WDSC 110)

These offices provide students with general education advising, academic exploration for undeclared students, academic support, registration assistance, and on-going information about University policies and procedures throughout the first year experience. For more information about the first year advising offices and their services, please see the “Student Development and Enrollment Services” chapter of this Undergraduate Catalog.

3. Participate in programs and advising activities that will promote a successful transition from high school to the university.

4. Transition to an academic advising office within the college of the student’s chosen major after the completion of his or her first year.

The Burnett Honors College

New students will:

Attend the UCF Orientation designated for The Burnett Honors College. At this time students meet with Honors staff and learn about The Burnett Honors College courses and GPA requirements, and register for Honors and non-Honors classes.

Continuing students will:

1. Contact the department of their major and meet with their advisor in the department during the first two months of any semester to review progress and plan a program of study;
2. Meet with their advisor in the department of their major prior to registration;
3. Contact the Office of Honors Advising (BHC 109) and based on the recommendation from their academic advisor and the requirements for University Honors, an Honors Advisor will assist with Honors course selection;
4. Continue to register for classes online;
5. Check their “Fee Invoices/Schedule” to ensure accuracy of class schedule; and,
6. Attend any mandatory Honors advising appointments.
College of Arts and Humanities

Majors within the College of Arts and Humanities should meet with their major/minor advisor concerning major/minor requirements and with an advisor in CAHSA regarding all other inquiries. CAHSA is located in Colbourn Hall (CHN) room 201 and advisors can be reached via email at cahsa@ucf.edu or in person by visiting CAHSA during regular business hours. Students can also access CAHSA’s website at http://www.cahsa.cah.ucf.edu.

New students will:
1. Meet with a CAHSA advisor in a group setting during Orientation to discuss college policies and procedures;
2. Meet with a major advisor to discuss major requirements, career opportunities, and plan a class schedule;
3. Register for classes at a central location; and,
4. Check their “Fee Invoices” to ensure accuracy of their class schedule.
5. Create and regularly check their Knights Email account.

Continuing students will:
1. Meet with their major and/or minor advisor in the department to review academic progress and plan a program of study for subsequent semesters. Review this plan each term with their major/minor advisor and prior to registration;
2. Access their Degree Audit at least every term and understand all degree requirements;
3. Refer any questions pertaining to university credit hour requirements, degree audits, academic standing and college/university policies and procedures to CAHSA. All questions pertaining to major/minor requirements should be directed to the department advisor in the major/minor program; and,
4. Meet with their major/minor advisor to conduct a graduation review of major/minor requirements in the semester prior to the intended semester of graduation. After seeing the major/minor advisor and in the semester prior to the term of graduation, eligible students will receive an email from CAHSA indicating how to file their “Intent to Graduate” forms and in order to conduct a graduation review. Please refer to the academic calendar for the deadline to file your Intent to Graduate.
5. Regularly check their Knights Email account.

Graduating students will:
1. File the online intent to graduate form by the posted deadline for the semester in which they intend to graduate. Please note that the deadline for filing is always the semester prior to the semester in which you intend to graduate.
2. Complete a webcourse after filing the online intent to graduate and prior to the deadline for filing the intent.
3. Maintain current contact information and regularly check their Knights Email account and degree audit.

College of Business Administration

The College of Business Administration (CBA) strives to provide its students with the highest quality academic advising and career coaching. The Office of Professional Development (OPD) partners with departmental faculty advisors to assist prospective and current business majors develop an educational plan that meets their career goals.

New students will:
1. Be classified as ‘pre-major’ until admission to the major requirements are met and a change of major request has been approved. ‘Pre-major’ students have enrollment access to CBA non-restricted classes and do not have enrollment access to CBA restricted classes;
2. Meet college-advising representatives in a group setting during Orientation to discuss admission to the major requirements, college policy, procedures, expectations, and degree programs;
3. Review degree requirements at Orientation using the Degree Audit and CBA literature to better understand degree requirements and a Degree Audit;
4. Submit all request to evaluate transfer courses for equivalency to UCF courses during their first term of enrollment at UCF. General Education coursework is evaluated for equivalency by Academic Services, while the Business Common Program Prerequisites and all business coursework is evaluated for equivalency by the College;
5. Meet with a Career Coach in the OPD (BA2, Room 101), to understand the career options of their major; and,
6. Be advised in the OPD if the major is “Pre Business” and the student is classified as at least Sophomore standing.

Continuing students will:
1. Meet with a member of the OPD Advising Team to review academic progress and develop or update an academic plan. Degree requirements and course prerequisites should be reviewed prior to registration each term;
2. Meet with their Career Coach as directed by activities in the college’s Career professionalism curriculum;
3. Register for courses in myUCF at their scheduled appointment time. All changes to the student’s class schedule must be completed by the end of the drop/swap and add periods;
4. Be classified as ‘pre-major’ until admission to the major requirements are met and a change of major request has been approved. ‘Pre-major’ students have enrollment access to CBA non-restricted classes and do not have enrollment access to CBA restricted classes;
5. Meet with a faculty advisor and/or member of the OPD Advising Team during the term prior to the anticipated graduation term as needed; and,
6. File the “Intent to Graduate Form” by the end of the term prior to the term in which graduation is intended.

Students placed on ‘Lack of Progress’ due to Major and/or College of Business Administration GPA concerns will:
1. Have a “hold” placed on their subsequent registration; and
2. Meet with their assigned Career Coach to review the student’s academic situation and develop a plan of action.

College of Education and Human Performance

New students will:
1. Be classified as education pending until admission requirements are met and a change of major request has been submitted.
2. Meet college advising representatives in a group setting during Orientation to:
   a. Discuss College of Education and Human Performance admission requirements needed for enrollment in upper division education classes
   b. Review degree program requirements
   c. Understand expectations and responsibilities associated with a career in education
3. Be advised by the College of Education and Human Performance’s Undergraduate Advising Office (ED 110) if their major is Elementary Education or Education Pending. Academic advising sessions may be scheduled by calling 407-823-3723;
4. Be assigned to an academic advisor in the area of their major upon completion of College of Education and Human Performance admission requirements. The advisor’s name and email address appear in myUCF to assist students in making an advising appointment; and
5. Purchase and utilize LiveText software at the beginning of the first semester of enrollment in the College of Education and Human Performance based on program requirements.

Continuing students will:
1. Set up an appointment with their academic advisor upon acceptance to their major, or the Undergraduate Advising Office, if a “Pending” major, to review academic progress and to develop an academic plan. Review this plan each term with an advisor prior to registration;
2. View their Degree Audit through myUCF;
3. Register at scheduled appointment time in myUCF. Students must complete any changes to their schedules by the end of the published Add/Drop period;
4. Utilize LiveText software based upon program requirements; and
5. File an on-line “Intent to Graduate Form” by the end of the term prior to the term in which graduation is intended.

UNIVERSITY OF CENTRAL FLORIDA
College of Engineering and Computer Science

New students will:
1. Meet with the Engineering and Computer Science Academic Affairs representative in a group setting during Orientation to:
   a. Review the College of Engineering and Computer Science (CECS) academic policies and procedures
   b. Plan an appropriate first term schedule;
2. Meet with a faculty advisor in the department of their major to:
   a. Understand the career options of the major
   b. Discuss degree program requirements; and,
3. Be advised in the CECS Academic Affairs Office (ENG1 107) if Undecided Engineering majors. Students are encouraged to seek advisement on determining a major as soon as possible. Failure to declare a major by the end of the first year may result in a delay of graduation.

Continuing students will:
1. Meet with an advisor in the CECS Academic Affairs Office or the department of their major during each term. Computer Science majors will be assigned a faculty advisor once they have passed the Computer Science Foundation Exam. Until that time, Computer Science majors will be advised by the CECS Academic Affairs Office or Computer Science Undergraduate Advising Office in HEC 345;
2. Set up an appointment with an advisor to review your academic progress and to develop an academic plan. Review this plan each term with the advisor prior to registration;
3. Use the flow diagram or four year plan received during Orientation to progress through the degree requirements;
4. View a Degree Audit, the registration appointment time, and search for classes (once the class schedule is available) through myUCF at https://my.ucf.edu;
5. Register at the scheduled appointment time in myUCF, or in person in the CECS Academic Affairs Office (AAO). Complete all schedule changes by the end of the published Add period;
6. Participate in the college designated intervention plan if you have been placed on an engineering or computer science advising hold. An intervention through the CECS Academic Affairs Office will be required each semester a student is on advisement hold; and,
7. File the “Intent to Graduate” through myUCF and meet with an advisor for graduation check in the CECS Academic Affairs Office, by the last day of classes of the term prior to the term in which the student intends to graduate.

College of Health and Public Affairs

New students will:
Meet college advising representatives in a group setting during Orientation to:
1. Discuss degree program requirements;
2. Understand career options of the major program of study; and
3. Plan an appropriate first semester class schedule.

Continuing students will:
1. Meet with COHPA Undergraduate Student Services advisors (HPA2, 115) during the first few weeks of each semester to check selection of program courses, assignment of a faculty advisor, and progress toward graduation;
2. View a Degree Audit through myUCF frequently to check progress toward course requirements; and
3. File the “Intent to Graduate Form” through myUCF and meet with an advisor in the COHPA Undergraduate Student Services office by the end of the term prior to the term in which graduation will occur.

College of Medicine

Burnett School of Biomedical Sciences

New students will:
Meet with the Burnett School of Biomedical Sciences (BSBS) Office of Student Services and Advisement (OSSA) advisors in group settings during Orientation to:
1. Discuss degree program requirements;
2. Understand career options of the major program of study;
3. Be directed to an appropriate academic/faculty advisor for help with information and guidance for medical/health professional or graduate programs admission requirements; and
4. Plan an appropriate first semester class schedule.

Continuing students will:
1. Meet with an advisor in the Office of Student Services and Advisement (OSSA) in HPA2, room 335 every semester to check progress toward graduation and selection of program courses;
2. See their faculty advisor each semester to check on possible career and research opportunities;
3. See an advisor in the Office of Student Services and Advisement (OSSA) if pending major for limited-access Medical Laboratory Sciences program during the first few weeks of each semester to check progress toward eligibility for application to the major;
4. View a Degree Audit, registration time, and search for classes (once the class schedule is available) through myUCF;
5. Register for courses at the scheduled appointment time. Complete all schedule changes by the end of the published add period;
6. File the “Intent to Graduate” through myUCF and meet with an advisor for graduation check in the Office of Student Services and Advisement (OSSA), by the end of the term prior to the term in which graduation will occur; and,
7. Pre-health professional students: See your OSSA faculty and consult with the Office of Pre-Health and Pre-Law Advisement.

Pre-Health Professional Planning

Pre-professional advisement deals primarily with understanding the requirements for successful application and admission to health professional schools.

Admission to a health professional school is highly competitive. Pre-health professions students are expected to be high achievers, and to obtain good grades with heavy loads and rigorous course combinations.

Most professional schools expect applicants to present at least a “B” average and to carry a minimum of 15 credit hours each term, with the exception of Summer term.

Each student is urged to carefully select a degree-granting major in our program. This will not only allow one to become more competitive for admission, but also to prepare for an alternate career in the event admission to a professional school is denied. Any degree-granting program may be selected as a major for pre-health students; however, the biomedical science major meets all admission requirements for health professional schools including medicine, dentistry, veterinary, pharmacy, physician assistant, etc. Our BS programs provide our students with a solid background to excel in health professional school programs. All students seeking admission to health professional schools should enroll in SLS 2311, Overview of Selected Medical Careers, in their first year at UCF and seek additional guidance from Office of Pre-Health and Pre-Law Advisement.

Additionally, prudent use of elective hours in the curricula will permit other appropriate pre-health professions courses to be obtained to help prepare for specific admission exams.

All pre-health professions students are strongly encouraged to participate in the activities of one or more of the student health related organizations and become involved in community service and career shadowing.

Curricula Guidelines

All pre-health professions students are strongly encouraged to enroll in SLS 2311 (Overview of Select Medical Careers) the first semester they are enrolled. This course provides a broad exposure to the various four-year health professions. In addition, the entire pre-professional process (academic preparation, applications, admission tests, interviews, admissions, scholarships, etc.) is explained in depth.

All pre-health professions students should complete the following science courses (many of which are applicable to the GEP) to meet the variable requirements of the Florida medical schools:

| General Biology | BSC 2010, BSC 3403C* |
| General Chemistry | CHM 2045C, 2046, 2046L |
| Organic Chemistry | CHM 2210, 2211, 2211L |
| Biochemistry | BCH 4053 or BCH 4024 |
| Biochemistry/Molecular Lab | BSC 3403C |
| Microbiology | MCB 3020C |
| Calculus | MAC 2253 (prefer MAC 2311, 2312) |
| Physics | PHY 2053C, 2054C or PHY 2048, 2049 |
Academic Advising

College of Sciences

Although students may have multiple advisors, College of Sciences majors must meet with an academic advisor within their major department and/or the staff of COSAS (College of Sciences - Advising Services, located in CSB 250) as soon as possible.

New students will:
1. Meet in a group setting during Orientation with representatives from the College of Sciences to discuss college policies and procedures;
2. Meet with representatives of the department of the major to discuss major requirements and plan what courses to take;
3. Refer to COSAS any questions pertaining to General Education requirements, AP and CLEP credit, Gordon Rule, university credit hour requirements, university policies and procedures, prerequisite enforcement process, etc.;
4. Check their “Fee Invoices” to ensure accuracy of their class schedules.

Continuing students will:
1. Contact the department of their major and meet with a faculty or professional advisor during the first two months of any semester to review progress and plan a program of study;
2. Meet with their academic advisor in the department of their major prior to registration, and before the beginning of the term to ensure their schedule is still appropriate;
3. Access the class schedule and myKnight Audit online at https://my.ucf.edu;
4. Resolve any HOLDs placed on their account preventing them from registering;
5. Check to be sure you are meeting all prerequisites/corequisites of courses you plan to take. COS enforces prerequisites/corequisites of COS courses through the registration system and notifies students not meeting prerequisites at the end of each term. If necessary, COSAS administratively drops students not meeting prerequisites for COS courses and may require proof of prerequisite completion to remain enrolled if prerequisite was taken somewhere other than UCF;
6. Register for classes through https://my.ucf.edu. Special assisted registration (e.g., overrides, independent study, thesis) for COS courses must be handled in COSAS. All registration must be completed by the published deadlines (see Academic Calendar in the current UCF Catalog);
7. Refer to COSAS any questions pertaining to the myKnight Audit regarding GEP, CLEP, AP credit, Gordon Rule, university credit hour requirements, as well as policies and procedures. Questions about major requirements in the myKnight Audit should be directed to the department; and,
8. Check their “Fee Invoices” to ensure accuracy of their class schedules.

Students placed on probation due to low UCF GPA will:
1. Have a “HOLD” placed on their subsequent registration;
2. Be required to attend a COSAS workshop. A COSAS Student Success Workshop schedule is available each term at http://www.cos.ucf.edu/cosas/current-students-academic-probation/.
3. Refer to COSAS any questions pertaining to the myKnight Audit regarding GEP, CLEP, AP credit, Gordon Rule, university credit hour requirements, as well as policies and procedures. Questions about major requirements in the myKnight Audit should be directed to the department; and,
4. Check their Knights Email account for further instruction. Graduating students may be required to see a COSAS advisor to review status.

Graduating students will do the following during the term PRIOR to the graduating term:
1. Review COS graduation instructions available at http://www.cos.ucf.edu/cosas (click on graduation button);
2. Complete the on-line graduation application on myUCF within the dates specified at http://calendar.ucf.edu;
3. Complete COS graduation form at http://www.cos.ucf.edu/cosas (click on graduation button); and,
4. Check your Knights Email account for further instruction. Graduating students may be required to see a COSAS advisor to review status.

NEW YORK UNIVERSITY OF CENTRAL FLORIDA
Academic Advising

College of Undergraduate Studies
Office of Interdisciplinary Studies
All students must make an appointment to meet with a member of the Interdisciplinary Studies Advising Team prior to declaring a major in Interdisciplinary Studies.

New students will:
1. Meet with a member of the Interdisciplinary Studies Advising Team during Orientation to discuss policies and procedures, degree program requirements and tracks, and to plan an appropriate first semester class schedule;
2. Schedule a meeting with a member of the Interdisciplinary Studies Advising Team to officially declare a major and create an individual plan of study, including declaring a minor;
3. For IDS-General Studies and WST Track: Meet with an advisor in the department of the minor to review the minor’s program requirements;
4. Refer to Academic Services any questions pertaining to general education requirements, AP and CLEP credit, Gordon Rule, and other policies and procedures as appropriate; and,
5. Register for classes online.

Continuing students will:
1. Meet with a member of the Interdisciplinary Studies Advising Team prior to registration and/or before the beginning of each term to review progress and selection of courses and address any questions pertaining to the program;
2. Access the class schedule and Degree Audit and register online during their scheduled appointment time at https://my.ucf.edu;
3. For IDS-General Studies and WST Track: Meet with an advisor in the department of their minor to review progress and, prior to graduation, confirm that the minor requirements have been met;
4. File an “Intent to Graduate” online through myUCF by the appropriate deadline at the end of the term prior to the term in which graduation will occur; and,
5. Check their Fee Invoices to ensure accuracy of their class schedule.

Rosen College of Hospitality Management

New students will:
Meet college advising representatives in group settings during orientation to:
1. Discuss degree program policies and curriculum requirements;
2. Understand career options and major programs of study;
3. Plan an appropriate first semester class schedule; and,
4. Review and learn how to interpret a Degree Audit through myUCF.

Continuing students should:
1. See a Faculty Advisor for assistance with selecting a concentration of study;
2. View degree requirements according to catalog year and course prerequisites prior to schedule planning;
3. See a Program Advisor prior to registration to review degree requirements and to make sure you are on track for graduation;
4. File an “Intent to Graduate” online through myUCF by the end of the term prior to the term in which you plan to graduate.

Regional Campus System
http://regionalcampuses.ucf.edu

UCF Regional Campuses provides a wide variety of instruction modes and schedules, including web class availability. Admissions, Registration, Financial Assistance, and Advising and Student Services professionals are located at the following campuses: UCF Co-coa and Palm Bay, UCF Daytona Beach, UCF Sanford/Lake Mary, UCF South Lake and Leesburg, UCF Valencia West and Osceola, and UCF Ocala. These services are also extended to UCF Altamonte as needed for the College of Nursing program.

Prospective transfer students have the opportunity to meet with a Professional or Faculty Advisor prior to applying to UCF to discuss degree programs and requirements. UCF bound students at our partner institutions are encouraged to meet with a DirectConnect Coordinator or Transfer Advisor to assist with their academic plan and pathway. Once admitted to UCF, students must have a pre-advising session prior to the required Orientation.

Current students will continue to receive advising on the Regional Campus of their choice for the programs that are available on that campus. For a list of the academic programs available through the Regional Campus System, see ‘UCF Regional Campuses’ within the "University of Central Florida" section of the Undergraduate Catalog.

Orlando Campus students taking courses on a Regional Campus may receive supplemental advising, in partnership with the College of the major on the Orlando Campus, and other support services on the Regional Campus.

UCF Regional Campuses also administers all aspects of the Central Florida Higher Education Consortium comprised of UCF and its partner institutions through an agreement to strategically partner on creating seamless pathways for college access and success. Through collaboration, these institutions develop guaranteed pathways and systems to enhance college preparation, curriculum alignment, data sharing, academic and student services, enrollment services, resource development and regional economic and workforce need in Central Florida.
Academic Regulations and Procedures

Registration Policies
During each academic term, registration is held for all new, currently enrolled, degree-seeking and non-degree seeking students for the following term. Registration sessions consist of Registration and Late Registration (held during the first week of classes for each term/session). Spring Registration begins following midterm for the Fall semester. Summer and Fall Registrations begin following the midterms of the Spring semester. Class listings are available only online through the Class Schedule and Course Catalog Search at https://my.ucf.edu.

Registration is available over the web using the myUCF system at https://my.ucf.edu and in the college advising offices. The dates and times for an application period are included in the “Academic Calendar” online at http://calendar.ucf.edu.

Terms and Credit Hours
The University of Central Florida academic schedule consists of two semesters (Fall and Spring), and the Summer term. The graduation credit value of each course of instruction is stated in terms of credit hours. A credit hour is an amount of work represented in intended learning outcomes and verified by evidence of student achievement that is an institutionally established equivalency that reasonably approximates not less than:
(a) One hour of classroom or direct faculty instruction and a minimum of two hours of out of class student work each week for approximately fifteen weeks for one semester or the equivalent amount of work over a different amount of time; or
(b) At least an equivalent amount of work as required in paragraph (a) of this definition for academic activities as established by the institution including laboratory work, internships, practica, studio work, and other academic work leading to the award of credit hours.

Undergraduate Enrollment Status Credit Hours
Full Time 12 or more
Three Quarter Time 9-11
Half Time 6-8
Less Than Half Time less than 6

Note: Graduate and post-baccalaureate students please refer to the online Graduate Catalog for enrollment status policies.

Credit Hour Limits
Undergraduate students are limited to 14 credit hours for the Summer term and to 17 credit hours for the Fall and Spring semesters. The department chair and college advising office must approve overloads. Overloads may be processed at the college advising offices.

Excess Hours
Effective Fall 2009, pursuant to Florida Statute 1009.286, students entering a Florida College System institution or state university for the first time in Fall, 2009, and thereafter, may be subject to the excess hours surcharge for hours exceeding baccalaureate degree program completion requirements. Students should regularly review their degree audits and consult with an academic advisor to make sure they are enrolling in appropriate courses. More detailed explanation of the excess hours rule can be found on the University Registrar’s Office website at http://registrar.ucf.edu/excess-hours.

Students beginning Fall Semester 2009 through Summer 2011 will be charged 1.5 times the tuition rate for each credit hour beyond 120% of the required hours of that degree program. Students beginning Fall 2011 through Summer 2012 will be charged two times the tuition rate for each credit beyond 115% of the required hours of that degree program. Students beginning Fall 2012 and beyond will be charged two times the tuition rate for each credit beyond 110% of the required hours of that degree program.

Holds
A hold (negative student indicator) may be placed on a student’s record for transcripts, grades, diplomas or registration due to financial or other obligations to the University. Satisfaction and clearance of the hold is required before a release can be given. Students may check for holds on the myUCF system at https://my.ucf.edu under the Student Self Service link. To obtain a release for financial holds, pay- ment to the Cashier’s Office must be made either in cash, credit card, cashier’s check, or money order.

Drop/Swap and Add Policy
Drop/Swap and Add are the periods following initial registration when students may make class schedule adjustments (as listed in the Academic Calendar). Drop/Swap or Add may be done using the myUCF system (https://my.ucf.edu) or in the college advising offices.

After the Drop-Swap period, no course may be dropped without being fee liable. Courses meeting for the first time after the end of the Drop/ Swap or Add period may be dropped the next business day in the Registrar’s Office, MH 161. If a student drops courses for an entire term with the intent of not returning to UCF, they must also drop courses for any future terms or will be fee liable and receive a grade.

For withdrawal after the Drop/Swap period, refer to the “Withdrawal Policy” of the Undergraduate Catalog. Please consult the Academic Calendar for Drop Add and Withdrawal deadlines.

A student is not automatically dropped or withdrawn from a class for not attending, nor can an instructor drop or withdraw a student from a class.

Audit Registration
Audit students are those who desire to attend class(es) without receiving academic credit. Regular tuition and fees are assessed for Audit registration. See the “Fee Schedule” in the “Financial Information” section of the Undergraduate Catalog. Audit registration is on a space-available basis at the prescribed time of Registration, or at any time during Late Registration and Drop/Swap and Add when Late Registration fees will apply. Audit requests for students who register prior to this time will be denied. Students may not change to Audit status after Late Registration and Add, but must remain in the course or withdraw through normal withdrawal procedures. New students must be accepted for admission to be eligible to audit a course. Audit forms, available on the Registrar’s website (http://www.registrar.ucf.edu) and in the Registrar’s and college advising offices, must be signed by the instructor and presented to the Registrar’s Office at the time of registration.

UCF Math Placement Test
The University believes that appropriate placement of students into certain course sequences is important to help foster an environment of success. The University administers the UCF Math Placement Test to determine placement into the mathematics course sequence. Students who do not meet prerequisites for mathematics courses are required to take the UCF Math Placement Test, and are strongly recommended to complete the UCF Math Placement Test prior to attending Orientation. If the UCF Math Placement Test is not completed prior to Orientation, delays in registration for mathematics courses may result. The UCF Math Placement Test is for placement purposes only and does not award credit. More information about the UCF Math Placement Test is available at http://utc.sdes.ucf.edu/math/.

Senior Citizen Audit
Senior Citizens (60 years of age or older) who have been residents of the State of Florida for at least one year as of the first day of classes, may enroll tuition free as Audit students (i.e., no academic work leading to the award of credit hours). Forms available include the “Residency Affidavit,” the “Student Health History,” the “Senior Citizen Audit Application” and “Senior Citizen Audit Registration Form.” These forms are available in the Registrar’s Office (MH 161) or at the Registrar’s website: http://www.registrar.ucf.edu. It is necessary to complete the required forms during the last hours of registration as noted in the “Academic Calendar” online at http://calendar.ucf.edu. Direct student expenses after the completion of registration include the campus ID card, vehicle registration and parking permits.

State of Florida Employee and UCF Employee Registration
State of Florida employee and UCF employee enrollment into courses for which the employee will seek a tuition waiver will occur on a space-available only basis on the last day of Registration each term at the time specified on the “Academic Calendar” online at http://calendar.ucf.edu. For waiver eligibility and application information, please refer to the Student Account Services website at http://www.studentaccounts.ucf.edu/.

Limited Non-Degree Seeking Applicants
This classification allows a student to enroll in selected courses when the student may have no immediate intention of pursuing a degree program. Most opportunities in this status will occur away from the Orlando campus, for courses that are taught out of the regular semes- ter or term cycle, or for special programs mandated by the State of Florida. Successful completion of courses while in this classification does not provide a basis for regular admission at a later date.

Programs using the Limited Non-Degree Seeking status include:
- High school Dual Enrollment
- Continuing Education
- Off-campus credit
- Soldiers-to-Scholars
- Regional Campuses
- Teacher Certification or re-certification
Academic Regulations and Procedures

Students registering for classes in the Limited Non-Degree Seeking status are subject to the following regulations:

1. Students are required to provide evidence of their educational qualifications for attending classes in order to meet the intent of this enrollment classification.
2. Students who have previously denied admission or disqualified for enrollment are not eligible.
3. Non-degree-seeking students are subject to the same rules and regulations as degree-seeking students.
4. Registration is permitted on a space-available basis.
5. A maximum of 15 undergraduate credit hours or 6 graduate credit hours may be earned as a limited non-degree seeking student.
6. International students may not register as non-degree-seeking since immigration regulations prevent foreign nationals from enrolling without admission to a degree or certificate program.
7. Limited Non-degree students are not eligible to receive financial aid nor to participate in intercollegiate sports.
8. Students must complete a Limited Non-Degree Seeking Status Registration Form.

Students registering in this category should be aware of the limitations of this status, and are encouraged to apply for regular admission to the University.

State Tuition Exemption Program (STEP) (National Guard) Registration

State Tuition Exemption Program (STEP-National Guard) students register on a space-available basis only. Registration is on a space-available basis during the last hours of registration in the Academic Calendar online at http://www.registrar.ucf.edu/calendar. STEP students must present a “Certification” letter to Student Account Services (MH 109) to receive waiver of eligible fees. Registration before the time specified in the Academic Calendar online at http://www.registrar.ucf.edu/calendar will result in the student being assessed regular fees. The tuition fee waiver cannot be used for courses that require increased costs, including, but not limited to courses offered through the Center for Continuing Education, independent study, supervised research, supervised teaching, thesis courses, dissertation, internships, co-ops, practicums, or applied, individualized instruction in music, art, or dance. Eligible members of the active Florida National Guard may receive a waiver of 50% of tuition and material and supply fees.

State University System (SUS) Florida Transient Students

An SUS Transient Student is a student in good standing who is seeking a degree from one of the other Florida public universities (SUS) and desires to take courses at UCF. Students must complete the “SUS Transient Application Form” which is available online at http://www.flvc.org. No application fee is required. The “SUS Transient Application Form” must be completed each term and should be submitted online or delivered/mailed to the Registrar’s Office (MH 161), by the end of the term in which the course is being submitted in the “Academic Calendar” online at http://calendar.ucf.edu. Students should visit the Registrar’s Office website at http://www.registrar.ucf.edu or contact the Registrar’s Office for registration information at 407-823-3100.

UCF Students Attending Another Florida Public Institution

UCF students who desire to attend another Florida Public institution, to earn credit for transfer back into a UCF degree program, as a transient student, are encouraged to complete the “Transient Student Form” online, which is available on the Florida Virtual Campus website at http://www.flvc.org under “College Students” > “Transferring”. Students wanting to attend a Florida private institution or an institution outside the State of Florida may obtain a printed form from the UCF Registrar’s Office. The prior permission of the department, school, and college advising office is required to ensure that the courses attempted at another institution will transfer and meet the UCF Degree/General Education Program requirements.

UCF Students Attending a Non-SUS Institution

A UCF degree-seeking student desiring to earn credit at another college or university for transfer back into a UCF degree program must obtain prior permission for specific courses from the Dean or Department Chair of his/her respective college or school. Transient approval of courses to be applied to the UCF General Education Program must be obtained in advance from Academic Services (MH 210). Credit earned without prior transient approval may not be accepted. Plus/minus grades will be transferred for coursework earned Fall 2001 and after using UCF’s grade point system. Because of graduation certification, students may not take courses in transient status during the term in which they expect to graduate. Students seeking transient status must complete the “Transient Approval Form,” available from the college or school advising office or at http://www.flvc.org and must submit the completed, approved and signed form to the Registrar’s Office (MH 161). Transient status cannot be used to reduce the last 30 semester hour residency requirement for a baccalaureate degree, the last 20 semester hour residency requirement for an Associate of Arts degree, or any departmental residency requirements.

Enrollment and Degree Verifications

Students may obtain their enrollment verification online through myUCF at https://my.ucf.edu. Enrollment certification is free to currently enrolled students. Parents, employers, background checking firms, and other third party agencies may request enrollment and degree verifications online at http://www.registrar.ucf.edu/calendar. A fee will be assessed for all such requests. UCF has contracted with National Student Clearinghouse to provide current enrollment and degree verifications online 24 hours a day, seven days a week. National Student Clearinghouse Customer Service is available at 1-703-742-4200, Monday - Thursday, 9:00 a.m. - 7:00 p.m., & Friday, 9:00 a.m. - 5:00 p.m., ET.

Withdrawal Policy

The Withdrawal period for each term begins after the Drop/Swap deadline. Students remain fee liable for any classes from which they withdraw. Students may withdraw from a class as of the last day of the term in which they expect to graduate. Students seeking to withdraw should contact the Office of Academic Services. Without prior permission, late drop does not refund tuition, and the student is still fee liable for the late withdrawn courses. Students must submit the completed petition for withdrawal to the Registrar’s Office, P.O. Box 160114, Orlando, FL 32816-0114. This letter must be time-stamped or postmarked before the published withdrawal deadline and must include the student’s identification number, the course(s) from which to be withdrawn and his or her signature. Students seeking to withdraw in person must sign the petition and must provide photo identification. The official date of withdrawal is the date the University receives the withdrawal request. Requests received by mail are processed using the postmark as the official date of withdrawal. Withdrawal from classes may have financial aid, NCAA eligibility or international visa consequences. Students should seek appropriate advisement prior to withdrawing from a class.

A student is not automatically dropped or withdrawn from a class for not attending, nor can an instructor drop or withdraw a student from a class.

Late Drop: Following the close of the Drop/Swap period each term as published in the academic calendar, students withdrawing from courses will incur both grade and fee liability. No drop is permitted after the drop/swap deadline except in extraordinary circumstances. Unsatisfactory academic performance is not an acceptable reason for drop after the deadline. Students seeking to petition for a late drop should contact the Office of Academic Services. Exceptional circumstances include, but are not limited to, death of an immediate family member, involuntary call to military service, or administrative errors created by the University. Late drops are normally for all courses taken in the term. If approved, a late drop includes a refund of tuition and fees, and the courses will not appear on the student’s academic records. Students must submit the completed petition and all supporting documentation for a late drop to Academic Services (MH 210) within six months of the end of the term for which the late drop is sought.

Late Withdrawal: No withdrawal is permitted after the withdrawal deadline as published in the academic calendar except in extraordinary circumstances. Unsatisfactory academic performance is not an acceptable reason for withdrawal after the deadline. Students seeking to petition for a late withdrawal should contact the Office of Academic Services. If a late withdrawal is approved, grades of Withdrawn Passing (WP) or Withdrawn Failing (WF) will be recorded as assigned by the instructor(s) of the course(s). A grade of “WF” will affect the calculation of the student’s Grade Point Average. Late withdrawals normally are for all courses taken in the term. If approved, a late withdrawal does not refund tuition, and the student is still fee liable for the late withdrawn courses. Students must submit the completed petition for withdrawal to the Registrar’s Office, P.O. Box 160114, Orlando, FL 32816-0114. This letter must be time-stamped or postmarked before the published withdrawal deadline and must include the student’s identification number, the course(s) from which to be withdrawn and his or her signature. Students seeking to withdraw in person must sign the petition and must provide photo identification. The official date of withdrawal is the date the University receives the withdrawal request. Requests received by mail are processed using the postmark as the official date of withdrawal.
Beginning Fall 2001, a plus/minus grading system became effective, with a grade point equivalent per semester hour as follows:

<table>
<thead>
<tr>
<th>Grade Points Per</th>
<th>A</th>
<th>A-</th>
<th>B+</th>
<th>B</th>
<th>B-</th>
<th>C+</th>
<th>C</th>
<th>C-</th>
<th>D+</th>
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<td>1.25</td>
<td>1.00</td>
<td>0.75</td>
<td>0.00</td>
<td>NC - No Credit</td>
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### Academic Regulations and Procedures

#### Withdral and Academic Behavior Violations

If a student withdraws from a course while an alleged academically dishonest act is under consideration, and the case is not subsequently resolved in favor of the student, the University reserves the right to assign the appropriate grade for the course.

Should an alleged violation of academic behavior standards arise before the withdrawal deadline in a term, the instructor shall notify the unit head who will notify the University Registrar that the student shall not be withdrawn from the course in question. Only a written release from the authorized party deciding a student appeal will permit withdrawal. However, if the student appeals the academic action and desires to withdraw from the course, the process shall be initiated by the student immediately in the normal University manner. Such withdrawal requests will be held in abeyance until a ruling on an appeal is obtained. If resolved in favor of the student, the withdrawal request will be processed at the time. The individual empowered to rule on the student appeal shall appropriately notify both the University Registrar and the Director of the Office of Student Rights and Responsibilities or designee of the outcome. For additional information regarding Academic Behavior Violations, see the current Golden Rule (http://www.goldenrule.sdes.ucf.edu).

### Grade System

The University uses an alphabetic system to identify student grades and other actions regarding student progress or class attendance.

<table>
<thead>
<tr>
<th>Legend</th>
<th>Action</th>
<th>Grade Points</th>
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<tr>
<td>G</td>
<td>Repeated Course (Grade Forgiveness, multiple attempts)</td>
<td>-</td>
</tr>
<tr>
<td>I</td>
<td>Incomplete</td>
<td>-</td>
</tr>
<tr>
<td>K</td>
<td>Repeated course (Latest Attempt)</td>
<td>-</td>
</tr>
<tr>
<td>N</td>
<td>No grade reported by instructor (followed by grade)</td>
<td>-</td>
</tr>
<tr>
<td>P</td>
<td>Repeated Course (Not Grade Forgiveness)</td>
<td>-</td>
</tr>
<tr>
<td>R</td>
<td>Repeated course (Grade Forgiveness)</td>
<td>-</td>
</tr>
<tr>
<td>S</td>
<td>Satisfactory (w/credit)/Satisfactory Progress (Research, Thesis, or Dissertation)</td>
<td>-</td>
</tr>
<tr>
<td>T</td>
<td>(followed by grade) Subsequently repeated (no credit)</td>
<td>-</td>
</tr>
<tr>
<td>U</td>
<td>Unsatisfactory (no credit)</td>
<td>-</td>
</tr>
<tr>
<td>W</td>
<td>Withdrawn</td>
<td>-</td>
</tr>
<tr>
<td>WF</td>
<td>Withdrawn Failing</td>
<td>0.00</td>
</tr>
<tr>
<td>WH</td>
<td>Health Form Withdrawn</td>
<td>-</td>
</tr>
<tr>
<td>WM</td>
<td>Medical Withdrawal</td>
<td>-</td>
</tr>
<tr>
<td>WP</td>
<td>Withdrawn Passing</td>
<td>-</td>
</tr>
<tr>
<td>Audit</td>
<td>Audit (no credit)</td>
<td>-</td>
</tr>
</tbody>
</table>

The designation of "N" will be assigned temporarily by the Registrar’s Office only in the case when a grade has not been submitted by the instructors by the grade submission deadline. The designator will be replaced by the earned letter grade at the earliest opportunity in the term that immediately follows and prior to graduation. The "N" designator may not be assigned by the instructor.

In the event of academic dishonesty, instructors may assign a Z in front of a final course grade on a student’s academic record. For further information regarding the addition, removal and appeals process of the Z designation, see http://z.ucf.edu/.

The Grade Point Average (GPA) is the average number of grade points per semester hour attempted. GPA is computed by dividing the total number of grade points assigned by the total number of credit hours attempted, less hours resulting from NC, W, WP, and I grades. GPA is recalculated after each term; for Summer GPA it is recalculated only after all Sessions and end of term. The GPA for graduation requirement is a minimum UCF 2.0 (“C”).

**Example:** A student has completed 13 credit hours for a given term. To calculate the Term GPA:

1) Multiply the number of credit hours per course by the number of grade points per grade. Then add each amount to arrive at the total number of grade points earned for that term:

- Course #1 B+ 3 credit hours X 3.25 grade points = 9.75
- Course #2 A- 3 credit hours X 3.75 grade points = 11.25
- Course #3 A 4 credit hours X 4.00 grade points = 16
- Course #4 B 3 credit hours X 3.00 grade points = 9

Total = 13 credit hours = 46 total grade points

2) Divide the total number of grade points by the total number of credit hours earned that term:

46.00 total grade points / 13 credit hours = 3.54 GPA for that term.
Incomplete Grade

A grade of "I" (Incomplete) may be assigned by the instructor when a student is unable to complete a course due to extenuating circumstances. Absences must be demonstrated in a form as complete as possible and submitted to the Program Director within 10 working days following the end of the term. It is expected that the student will have completed a majority of the course. When an instructor assigns an "I" grade for a course, the student is notified through email about the grade. The student is responsible to arrange with the instructor for the completion of the requirements of the course. Effective with Incomplete grades assigned in the Fall semester 1997 and thereafter, a student cannot graduate from the University with an "I" on the transcript. The Incomplete must be changed within one year of the last day of the term attempted or prior to graduation from the University, whichever comes first. Unresolved Incomplete grades automatically will be changed to "F" by the Registrar's Office. Unresolved "I" grades in courses graded with "S" or "U" will be converted to "U."

Grade Change

A grade change is the change of any originally assigned grade to another grade, including grades of "F" and grades earned by administrative withdrawals. GPA is recalculated after the grade change. Grade change for medical withdrawals will be considered only during the term immediately following the one in which the grade was assigned, except that grades assigned during the Spring semester may be changed during either the following Summer term or Fall semester. A change in grade must be approved by the dean of the college or school. A grade will not be changed after a degree has been conferred. The Registrar will change a student's academic standing if necessitated by a change of grade, except in cases of academic suspension. If a student is suspended, the Admissions and Standards Committee may review the suspension and readmit the student if the Committee decides readmission is warranted.

Grade Reports

Grades are available from myUCF at https://my.ucf.edu.

Attendance, Absences, or Unsatisfactory Work

Under University policy, students are not authorized to attend class unless they are on the class roll, or have been approved to audit and have paid audit fees. Students are responsible for satisfying the entire range of academic objectives as defined by the course instructor and ensuring that their class work and attendance are satisfactory. Students should understand that attendance policies and procedures vary among instructors and academic units, and they must observe any special attendance regulations stipulated by their college, school, department, program, or instructor. Reasons for acceptable absences may include illness, serious family emergencies, special curricular requirements (e.g., judging trips, field trips, professional conferences), military obligations, severe weather conditions, and religious holidays.

Students also should be excused for participation in official University-sponsored activities, such as music performances, athletic competition, or debate. Students chosen for such events, including intercollegiate athletics, band, choir, and academically related programs, shall be listed on a "Program Verification" form. Program Directors shall provide each student with a copy of this form. It is the student's responsibility to present a copy of this form to the faculty member(s) responsible for the class from which the student will be absent. This verification is to be provided prior to the class period whenever possible and no later than the first class following the event. A copy of the form listing students selected to represent the University and signed by the faculty member(s) shall be filed with the Office of Student Rights and Responsibilities (FC 155). If further verification is needed, contact the Office of Student Rights and Responsibilities (FC 142; 407-823-6960) or, for athletic events only, Academic Services for Student-Athletes, Wayne Densch Sports Center, 103A; 407-823-5896.

Absences from classes for court-imposed legal obligations (e.g., jury duty and subpoenas) must be excused. The student may offer other sound reasons. When absences threaten a student's satisfactory completion of a course, the instructor may report the absence to the appropriate Dean of the student's college/school and may choose to call upon the college/school office to request additional information and insight into the significance of or reason for the absences.

Classroom Responsibility

Students are responsible for maintaining classroom decorum appropriate to the educational environment. When the conduct of a student or group of students varies from acceptable standards and becomes disruptive to normal classroom procedures, the instructor has the authority to remove the offending party from the room and refer the student to the Office of Student Conduct (FC 142) for disciplinary action.

In the event of academic dishonesty, faculty members may assign a Z in front of a final course grade on a student’s academic record. For further information regarding the addition, removal and appeals process of the Z designation, see http://z.ucf.edu/.

Student Conduct

Students are subject to federal and state laws and local ordinances as well as regulations prescribed by the University of Central Florida and the Florida Board of Governors. The breach or violation of any of these laws or regulations may result in disciplinary action. Detailed conduct regulations and procedures are presented in The Golden Rule.

A person applying for admission to UCF who has declared a violation of conduct policies at a previous college or university or has been charged with a violation of the law (including traffic violations that resulted in a fine of $200 or more) may have circumstances of the case reviewed by the Office of Student Conduct (FC 154) to consider eligibility for admission.

Religious Observances

It is the practice of the University of Central Florida to reasonably accommodate the religious observances, practices, and beliefs of individuals in regard to admissions, class attendance, and the scheduling of examinations and work assignments. A student who desires to observe a religious holy day of his or her religious faith must notify his/her instructors at the beginning of the term to be excused from classes to observe the religious holy day.

The student will be held responsible for any material covered during the excused absence, but will be permitted a reasonable amount of time to complete any work missed. Where practicable, major examinations, major assignments, and University ceremonies will not be scheduled on a major religious holy day.

Students who are absent from academic or social activities because of religious observances will not be penalized. A student who believes that he/she has been unreasonably denied an educational benefit due to his/her religious belief or practices may seek redress in accordance with The Student Grievance Procedure, as listed in The Golden Rule.

Student Classifications

Students will be classified by level, on the basis of credit hours satisfactorily earned as follows:

- Freshman: 0-29 credit hours
- Sophomore: 30-59 credit hours
- Junior: 60-89 credit hours
- Senior: 90 or more credit hours, prior to completion of baccalaureate requirements

Post-Baccalaureate:

Any student enrolled in courses, regardless of course level (except one working toward another baccalaureate degree), who has a baccalaureate degree but has not been admitted to a graduate program. All post-baccalaureate students are considered as non-degree undergraduates for all University policies and procedures.

Graduate:

Any student enrolled in graduate courses who has been admitted to a graduate program.

Other Student Classifications:

Auditor:

A student registered for any credit course who is not seeking credit.

Co-op Student:

A student enrolled in the Center for Cooperative Education and Applied Learning Program remains a registered student during all off-campus assignment semesters. Furthermore, there is no lapse in continuity in the co-op academic calendar; a co-op student either is on assignment or attending class during each term.
Special Student: A student of demonstrated academic ability who does not meet the regular requirements for admission (Early Admission, non-degree-seeking, transient, and auditor).

Temporary: A student who applied before the deadline and who is permitted to register and attend class pending completion of the admission file.

Transient: Students temporarily registered (for one term) at UCF with the approval of another university or college where they are regularly enrolled, or a UCF student temporarily in attendance at another university or college, with the approval of UCF. A UCF student may not be enrolled as a transient student in another institution during the term in which the baccalaureate degree or the A.A. degree is to be awarded.

Limited Non-Degree Seeking: A student earning credit but not working on a degree program.

Provisional: A student entering from a regionally unaccredited high school, college, or university may be admitted on provisional status where appropriate. A UCF student may not be enrolled as a provisional student in another institution where they are regularly enrolled, or a UCF student temporarily in attendance at another university or college.

Academic Honors

President’s Honor Roll Certificate (Full-Time Award) The President’s Honor Roll Certificate (Full-Time Award) is awarded in recognition of scholastic honors to degree-seeking undergraduate students who maintain a 4.0 GPA, complete 12 or more hours, excluding satisfactory/unsatisfactory course work, and did not earn any “I,” “U,” “N,” “NC,” or “WF” grades during a given term.

President’s Honor Roll Certificate (Part-Time Award) The President’s Honor Roll Certificate (Part-Time Award) is awarded in recognition of scholastic honors to degree-seeking undergraduate students who maintain a 4.0 GPA in two consecutive part-time terms. The student must complete at least 15 hours, with no more than 11 in each consecutive term, excluding satisfactory/unsatisfactory course work, and not earn any “I,” “U,” “N,” “NC,” or “WF” grades during a term. Hours utilized in the awarding of a President’s Honor Roll Certificate may not be utilized in the determination of a subsequent certificate.

Dean’s List The Dean’s List is compiled in recognition of scholastic honors to degree-seeking undergraduate students who earn a minimum 3.4 GPA, complete a minimum of 12 credit hours, earn no grade less than “C” (2.0) and no “I,” “U,” “N,” “NC,” or “WF” grades during a term.

Baccalaureate Honors and Diplomas The University shall confer baccalaureate honors recognition on those students who have completed a minimum of 48 credit hours at UCF and who:

1. Attain at least a 3.20 overall grade point average; and,
2. Attain at least a 3.20 overall grade point average; and,
3. Honors awarded will be:
   Summa Cum Laude for those students in the upper 2.5 percent Magna Cum Laude for those students in the upper five percent, but not in the upper 2.5 percent Cum Laude for those students in the upper 10 percent, but not in the upper five percent

Records for the term of graduation are incomplete at the time the Commencement Program is printed. Identification of these students at graduation therefore is presumptive of honors and not conclusive, since final term grades may result in changes in relative rankings.

Consult the Academic Honors list at http://ikm.ucf.edu/enrollment-graduation/grad-honors-gpa-standing/ for the most up-to-date UCF Honors minimum GPA requirements. Diplomas are mailed six to ten weeks after Commencement to the address indicated in the online “Intent to Graduate.”

Honors in the Major Please see “Honors in the Major” in The Burnett Honors College portion of the Undergraduate Catalog.

Grade Forgiveness

Grade Forgiveness offers a student the opportunity to retake a course and earn a second grade that will be substituted for the previous grade. You may apply for Grade Forgiveness online at https://my.ucf.edu > Student Self Service > Student Center. The application must be submitted no later than the withdrawal deadline for the term/session in which the student has registered for the course being repeated. Consult the web calendar at http://calendar.ucf.edu. The following policies apply:

1. Grade Forgiveness is limited to two courses;
2. Grade Forgiveness may not be used twice for the same course;
3. Grade Forgiveness will only be awarded if the original and repeated courses both are taken at UCF;
4. All grades will remain on the student’s official transcript. The original course grade will be marked with a “T” to indicate that the course subsequently has been repeated, or a note describing the initial attempt, and the repeat course grade will be marked with an “R.” The original grade will appear on the transcript but only the repeated course grade will be calculated into the GPA or meet degree requirements;
5. If it is determined that the student is ineligible for the Grade Forgiveness policy, neither a refund of fees nor automatic withdrawal from the course will be made. In addition, if the student is ineligible, the two grades will be averaged for the calculation of the GPA;
6. If a student applies for Grade Forgiveness and later withdraws, or receives an “I” grade or “NC” grade in the course, the attempt will count as one of the allotted Grade Forgiveness attempts, and the GPA will calculate both grades;
7. UCF does not honor Grade Forgiveness granted at other institutions unless it is part of an Associate in Arts or a specific statewide articulated Associate in Science degree transferred from a Florida College System institution or State University. Grade forgiveness awarded within a bachelor’s degree from a Florida State System institution is not honored at UCF. UCF’s Grade Forgiveness policy may not be honored by other colleges, universities, professional schools, or national testing associations;
8. Due to the two-course limit, a student who has repeated two or more courses at a Florida College System institution or State University and included those courses in the transfer of an AA or a specific statewide articulated AS degree will not be granted any Grade Forgiveness at UCF;
9. Grade Forgiveness awarded for repeated courses will not retroactively alter any previous academic action (i.e. academic probation or disqualification). In addition, no academic records can be altered after a student graduates;
10. Grade Forgiveness is not retroactive and, therefore, may not be used for a course repeated before Fall 1981. If a student who repeated a course at UCF before 1981 and did not use the previous forgiveness policy may repeat the course again. In this case, the lower of the previous two grades will be forgiven. This special circumstance is the only one in which a student will be allowed to repeat a course more than once; and,
11. With prior approval from the Dean’s office in which the course is offered, a student can only substitute a course different from the original one if: 1) the substitute course reflects a change in prefix, number, hours, or title but not in substance; or 2) the substitute course replaces a course no longer offered by UCF. In this case, the student must submit the paper version of the Grade Forgiveness Form which can be obtained at the Registrar’s Office (MH 161).

Repeated Enrollment in Same Course: Beginning Fall 1997, a student enrolled in the same undergraduate college credit course more than twice shall pay matriculation at 100% of the full cost of instruction (Non-Florida Resident rates).

Academic Standing

All academic actions are shown on myUCF at https://my.ucf.edu and on the transcript. The action is generated due to course completion. Changing a grade course does not necessarily change academic action. An exception may be made when an error is committed and is so stated by the instructor on the “Change of Grade Request Form.”

Good Standing Good standing indicates only that the student is meeting the minimum academic standard for retention by the University (minimum term
Academic Regulations and Procedures

GPA, 2.0). To meet graduation requirements, however, the student must have a minimum UCF GPA of 2.0.

Academic Probation
Action taken when a student's UCF cumulative GPA drops below 2.0. Academic Probation will continue until the current term and UCF cumulative GPA reach 2.0 or better.

First-time-in-college students may be admitted on Academic Probation at the discretion of the Undergraduate Admissions Office or the Admissions and Standards Committee. Transfer students may be admitted on Academic Probation at the discretion of the Undergraduate Admissions Office or the Admissions and Standards Committee. Academic Probation is intended to inform students making unsatisfactory progress of their need to alter study habits and seek additional counseling. Early recognition will indicate to the student the possible jeopardy to academic goals and will also allow an opportunity to demonstrate acceptable performance.

Disqualified (First Suspension)
A student on Academic Probation is Disqualified upon failure to achieve a minimum 2.0 GPA during the subsequent term. A student who is Disqualified may not enroll at the University for two semesters following disqualification. Readmission after two semesters is not automatic. Disqualified students are required to have completed the Florida AA degree, or have completed UCF’s general education program and Gordon Rule requirements, before petitioning for readmission. A Disqualified student must submit an application for Readmission supported by a letter documenting the reasons for previous academic difficulties, clear evidence of satisfactory academic performance since leaving the University, and plans for achieving a GPA of 2.0 or better. A disqualified student is limited to petition for readmission once per year (365 days). The total record will be reviewed and action on readmission will be taken by the University Registrar.

Any Disqualified student whose UCF grade point deficiency is equal to or greater than 30 grade points is not eligible for readmission. For readmission purposes only, “grade point deficiency” is defined as the number of UCF credit hours earned with a “B” (3.0 GPA) grade that a student requires to raise his or her UCF grade point average to 2.0.

Exclusion (Second Suspension or more)
A student readmitted following Disqualification who fails to achieve a minimum 2.0 Term GPA is excluded from the University. Exclusion is most serious and students are not eligible for readmission after Exclusion. An individual who has been Excluded will not be considered for readmission, and may not appeal any failure to be readmitted following Exclusion.

Earning Credit While Disqualified
A student disqualified while a freshman or sophomore who subsequently receive an A.A. degree with a minimum “C” average (2.0 GPA) on all college work attempted from a Florida College System institution has the right to appeal for readmission, in accordance with standard University policies. However, readmission is not guaranteed, and the student seeking readmission will be required to follow all academic regulations and procedures associated with readmission after suspension.

Readmission
A student must apply for readmission to the Registrar’s Office (MH 161) if:
1. the student has not enrolled at UCF for two consecutive semesters (not including the Summer term);
2. the student has been academically suspended from UCF;
3. the student failed to enroll or withdrew from all classes during the readmitted term;
4. the student has previously attended, or is currently enrolled at UCF, as “degree-seeking” and desires to pursue a second bachelor’s degree.

The application deadline for readmission is as follows: for Summer, April 1; for Fall, July 1; and for Spring, November 1.

Readmission Following Non-Enrollment for Two Consecutive Semesters
The student must complete and submit the “Readmission Application Form,” available on https://my.ucf.edu. Log on to myUCF using your student ID and password and then go to Student Self Service > Student Center. Once on the Student Center page, go to the “Other Academic...” dropdown menu and scroll down to “Readmission Application.” If the student has attended another regionally accredited institution since leaving UCF, the student must request an official transcript to be sent to the Registrar’s Office. If the student was previously admitted to a UCF limited-access program, the student will be placed in pending status for that major and must apply to the College for readmission to the program. Plus or minus grades will transfer for course work earned Fall 2001 and after using UCF’s grade point system.

Readmitting students classified as a “Florida resident” during the last term at UCF who have resided outside of the State of Florida for one year may not be eligible for readmission as Florida resident for tuition purposes. Students approved for readmission may be classified as a non-resident for tuition purposes and must submit documentation to the Registrar’s Office establishing his or her eligibility for Florida resident status for tuition purposes. For eligibility requirements, refer to “Florida Residency for Tuition Purposes” within “Financial Information” of the Undergraduate Catalog.

Any readmitted student whose UCF GPA is less than 2.0 at the time of the last enrollment at the University will be readmitted on “Academic Probation.” All applicants seeking readmission who have attempted course work at another regionally accredited institution since last attending the University will be required to be in “Good Standing” (minimum 2.0 GPA) at the last institution attended with no allowance for grade forgiveness and must be eligible to return to the last institution attended.

Readmission Following Suspension: Disqualification, with a Grade Point Deficiency of Less than 30 Grade Points
A student who has been academically Disqualified by UCF (with a grade point deficiency less than 30 grade points) who has completed the two term academic suspension period may petition for readmission by submitting the “Readmission Application Form” to the Registrar’s Office. For readmission purposes only, grade point deficiency is defined as the number of UCF credit hours earned with a “B” (3.0 GPA) grade that a student requires to raise his or her UCF grade point average to 2.0. A student’s grade point deficiency is calculated when the student applies for readmission. The petitioning student must satisfy the following requirements before a decision will be made:
1. Submit a written statement indicating the reason for the previous academic difficulties and a plan for ensuring success in future terms:
   a. The written statement should be limited in length to one typed page; it must be signed and dated, and include the student’s UCF Personal Identification Number (PID);
   b. A “Readmission Application Form” not accompanied by the required written statement will not be reviewed;
2. Contact the Registrar’s Office for information specific to readmission following suspension. Please note that a plan to complete the program of study from your intended major’s department/school/college may be required as part of the readmission application packet. Until removed from probationary status following readmission, a student will not be allowed to change majors unless prior approval is authorized by all departments/schools/colleges offering the student’s current field of study and the field of study to which the student is seeking the change;
3. Submit to the Registrar’s Office official transcripts from all other schools attended during suspension (if applicable).

The Registrar’s Office will review the readmission application only when it receives all of the documents listed above. A student denied readmission by the Registrar’s Office has thirty (30) days from the date of the denial to appeal that decision to the Admissions and Standards Committee. See “Right of Appeal” below for details. Disqualified students are limited to one readmission appeal during the disqualification period.

Readmission Prior to Completion of the Required Suspension
A student who has been academically Disqualified by UCF who has not completed the academic suspension period is not eligible for readmission to the University. Students may appeal for an exception to this policy to the Admissions and Standards Committee. See “Right of Appeal” below for details. Disqualified students are limited to one readmission appeal during the disqualification period and one appeal per 12-month period following the disqualification period.
Readmission Following Suspension: Disqualification (with a Grade Point Deficiency of 30 or more Grade Points)

Students who are disqualified (with a grade point deficiency of 30 grade points or more) are not eligible for readmission to the University. The Registrar’s Office will deny readmission to ineligible students. A student denied readmission by the Registrar’s Office has thirty (30 days) from the date of the denial to appeal that decision to the Admissions and Standards Committee. See “Right of Appeal” below for details. For readmission purposes only, grade point deficiency is defined as the number of UCF credit hours earned with a “B” (3.0 GPA) grade that a student requires to raise his or her UCF cumulative grade point average to 2.0. A student’s grade point deficiency is calculated when the student applies for readmission. A student must remain on readmission plan until removed from probationary status following readmission, a student will not be allowed to change majors unless prior approval is authorized by all departments/schools colleges offering the student’s current field of study and the field of study to which the student is seeking the change.

Dropping or Withdrawing During Readmitted Term

Disqualified or excluded students who drop or withdraw from all courses during the readmitted term for whatever reason must apply for readmission.

Limitations on the Number of Readmission Appeals

Disqualified students are limited to one appeal for an exception to University policy to the Admissions and Standards Committee during the disqualification period and one appeal per 12-month period following the disqualification period.

Excluded students are not eligible to appeal for an exception to University policy to the Admissions and Standards Committee.

Non-Academic Admission Clearances

According to the Florida Board of Regents Rule 6C-6.001(2) “…If determined not to be in the best interest of the University to admit an applicant because of past misconduct the University may do so.” This authorizes universities to refuse readmission to applicants due to past misconduct. The University further requires the Vice President of Student Development and Enrollment Services or his/her designee to review all applications disclosing information regarding any prior criminal conviction or conduct problem at another institution and to make a decision as to whether the admission of this applicant will be in the best interest of the University. This statement describes the procedure and assigns responsibility for the review of these applications for admission. Applicants who fail to disclose any prior criminal conviction or conduct problem at another institution and such fact is subsequently discovered by the University shall be denied admission or readmission, or other academic and/or disciplinary action up to and including expulsion.

Appeal

There is no appeal of the University’s decision not to admit or readmit a student based on past misconduct. According to the Florida Administrative Code 6C-6.001(4): “Applicants denied admission shall be given notice of the denial within a reasonable period of time of following the decision. Upon the applicant’s written request, the University shall provide the reasons for the rejection in writing.”

Admissions and Standards Committee

The Admissions and Standards Committee is a reporting committee of the Faculty Senate. Its membership includes faculty and non-faculty representatives of the faculty Senate, several academic colleges, the Division of Student Development and Enrollment Services, and Student Government Association. The Admissions and Standards Committee meets regularly to consider appeals from: 1) persons denied admission; 2) students denied readmission; and 3) student appeals of University academic actions, policies or standards. All decisions rendered by the Admissions and Standards Committee are final. Decisions can only be appealed in the event new evidence or information has been determined by the Chair of the committee to be relevant and is subsequently approved for further committee review.

Right of Appeal

A student who has been denied readmission has thirty (30 days) from the date of the denial to appeal to the Admission and Standards Committee. The appealing student must satisfy the following requirements before the Registrar’s Office will forward the appeal to the Committee:

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1. Complete the “Application for Readmission as an Exception to University Policy Form,” available at the Registrar’s Office (MH 161);
2. Prepare a written statement specifying the extenuating circumstances that led to their poor academic performance or academic dismissal.
   a. The written statement should be limited in length to one typed page; it must be signed and dated, and include the student’s UCF Personal Identification number (PID).
   b. An “Application for Readmission as an Exception to University Policy” form not accompanied by the required written statement will not be forwarded to the Admissions and Standards Committee;
3. Provide documents which support and/or verify the extenuating circumstances (if applicable);
4. Supply official transcripts from all other schools attended during the suspension (if applicable);
5. Order one official copy of the UCF official transcript ($10 per copy). The Registrar’s Office will forward this transcript to the Admissions and Standards Committee;
6. Submit one stapled packet of applicant materials to the Registrar’s Office (MH 161) by 12:00 p.m. (noon) Monday prior to the scheduled Admissions and Standards Committee meeting. The packet must contain the following documents, arranged in the following order:
   a. A completed “Application for Readmission as an Exception to University Policy Form”;
   b. Written statement indicating the extenuating reasons for the previous academic difficulties and a plan for ensuring success in future terms;
   c. Any supporting documentation as directed by the college, school or other University personnel;
   d. Any additional supporting documentation (optional); and,
   After a thorough evaluation of both the appeal and all required supporting documentation, the Admissions and Standards Committee will render a decision. The decision of the committee will be based upon university readmission policy and information presented in the appeal. Decisions are final and there is no appeal beyond the committee. If a student feels there is new or missing evidence that was not available at the time of the original appeal, that may be submitted to the Chair of the Admissions and Standards Committee for further consideration. Simply disagreeing with the committee’s decision is not grounds for reconsideration.

Disqualified (with a Grade Point Deficiency of 30 or more Grade Points) and Excluded students are not eligible for readmission to the University and have no right to appeal for an exception to University policy to the Admissions and Standards Committee.

Academic Amnesty Program

Effective Fall 2004, the Academic Amnesty Program provides undergraduate students who are not eligible for readmission for academic reasons the opportunity to readmit to UCF after five or more years of separation. This program allows the student to nullify up to two consecutive terms worth of UCF coursework from his or her UCF grade point average. Students may not select specific courses within the two identified terms. If the student satisfactorily completes the Academic Amnesty Program, the University will remove from the student’s UCF GPA all UCF coursework for which the student enrolled during the selected consecutive terms. While grades nullified by satisfactory completion of the Academic Amnesty Program are not used in calculating the student’s UCF GPA, all course work will remain part of the student’s permanent record.

To apply for entrance into the Academic Amnesty Program, the student must:

1. Gain the written support for the Academic Amnesty Program from the student’s college or school and present to the Admissions and Standards Committee an academic plan of action approved by the college advising office. This plan will include the following:
   a. The specific terms of the student’s academic history to be nullified by satisfactory completion of the Academic Amnesty Program;
   b. Approved courses in which the student will enroll during the two terms that comprise the Academic Amnesty Program;
Academic Regulations and Procedures

c. Any additional requirements mandated by the college advising office (i.e., academic advising or mentoring, required tutoring or academic support services, etc.); and,
d. Complete and submit an Academic Amnesty Agreement to the Admission and Standards Committee.

2. The UCF Admissions and Standards Committee will determine a student's eligibility for entrance into the Academic Amnesty Program.

Athletic Eligibility and Retention Committee

The Athletic Eligibility and Retention Committee (AERC) has oversight of the athletic participation of students who engage in intercollegiate athletics. It relies on information gathered from the Office of Athletic Compliance, the Office of Academic Services for Student-Athletes, coaches and the individual student. Student-athletes who desire to continue their athletic participation while being on academic probation, must have the written support of their coach, complete a written document stating their methods and dedication to improve their level of academic achievement and the approval of the AERC. The committee shall review each applicant's academic potential and current status. The committee will support the student's degree of continued participation in intercollegiate athletic activities.

Name Changes

To change the legal name maintained on the student's official UCF record, the student must submit a completed "Change of Name Form" and the accompanying documentation to the Registrar's Office. The form includes the current UCF office to which the student wishes to be sent. The form is available from the Registrar's Office at MH 161 or online at http://www.registrar.ucf.edu.

Address and Email Changes

The student's address is initially obtained from the "Application for Admission" for students entering UCF in an "Undeclared" or "Undecided" category; and, for students entering UCF in an "Undeclared" or "Undecided" category, it may also be changed through the Registrar's Office website at myUCF (https://my.ucf.edu). In addition to legal name changes, the University provides students the option for a Preferred Name. Students wishing to establish a preferred name may accomplish this by submitting a Change of Name Form to the Registrar's Office.
Minors
A Minor is a complement to a bachelor’s degree program/major requiring at least 18 credit hours in a field. A student may declare a minor at any point during the first term of enrollment up to but no later than the online submission of the online “Intent to Graduate Form.” Students strongly are urged to declare a minor as early as possible. Minors are optional unless required by your specific major. All graduation requirements (i.e., the minor and major) must be from a single UCF Undergraduate Catalog for which a student is eligible. Minors must be certified at the same time as the student’s baccalaureate degree. Unless a second degree is earned, certification will not be made at a later time even if additional courses have been completed. Students can declare, change, or drop minors online at https://my.ucf.edu > Student Self Service > Student Center > other academic (drop down menu) > Change Major: Request. Follow the directions on that page.

Undergraduate Certificates
An undergraduate Certificate is a supplement to the bachelor’s degree program/major. Certificates are optional. Students must be admitted in a degree seeking program to be eligible to receive an undergraduate Certificate, and a Certificate will only be granted together with completion of a UCF baccalaureate degree. All graduation requirements (i.e., the certificate and major/minor) must be from the same UCF Undergraduate Catalog for which a student is eligible. Certificates can be declared or changed online at https://my.ucf.edu.

Student Records
Student records submitted become the property of the University and cannot be returned to the student or released to a third party. Copies of student records will be released only upon receipt of a written request signed by the student. Student records are stored in paper form or are digitally scanned. Once the student has been absent from the University for three academic years, all records may be transferred to optical disk storage and the paper copies destroyed.

Family Educational Rights and Privacy Act (FERPA)
The procedures for protecting the confidentiality of student records are based on state regulations and the federal Family Educational Rights and Privacy Act of 1974. FERPA affords students certain rights with respect to their education records. They are:

1. The right to inspect and review the student’s education records within 30 days of the day the University receives a written request for access. Students should submit to the University Registrar, dean, head of the academic department, or other appropriate official, written requests that identify the record(s) they desire to inspect. The University official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the University official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed;

2. The right to request the amendment of the student’s education records that the student believes are inaccurate or misleading. The student may ask the University to amend a record that he or she believes is inaccurate or misleading. The student should write the University official responsible for the record, clearly identify the part of the record to be changed, and specify why the current record is inaccurate or misleading. If the University decides not to amend the record as requested by the student, the University will notify the student of the decision and advise the student of his or her right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing;

3. The right to consent to disclosures of personally identifiable information contained in the student’s education records, except to the extent that FERPA authorizes disclosure without consent. One exception that permits disclosure without consent is disclosure to school officials with legitimate educational interests. A school official is a person employed by the University in an administrative, supervisory, academic or research, or support staff position (including law enforcement unit personnel and health staff); a person or company with whom the University has contracted (such as an attorney, auditor, National Student Clearinghouse, or collection agent); a person serving on the Board of Trustees; or a person serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks. A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibility; and

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

   Family Policy Compliance Office
   U.S. Department of Education
   400 Maryland Avenue, SW
   Washington DC, 20202-4605

Directory Information
FERPA authorizes the University to classify certain information concerning students as “directory information,” which means that it may be released to anyone upon request. Directory information at UCF includes:

- name
- current mailing address
- telephone number
- date of birth
- major field of study
- dates of attendance
- enrollment status
- degrees and awards received
- participation in officially registered activities and sports
- athletes’ height and weight

The University extends to students the opportunity to withhold even directory information from disclosure, by opting out of the University’s directory information policy. Students can do this online at https://my.ucf.edu > Student Self Service > Student Center > Personal Information > FERPA/Directory Restriction or complete the Directory Disclosure/Release Authorization form available at the Registrar’s Office (MH 181) or at http://www.registrar.ucf.edu, requesting that this information be withheld.

Other Disclosures:
FERPA also authorizes the University to forward educational records to other agencies or institutions that have requested the records AND in which the student seeks or intends to enroll or is already enrolled so long as the disclosure is for purposes related to the student’s enrollment or transfer.

All other disclosures of education records and information will be made in accordance with FERPA. In most cases, but not all, this requires the student’s prior written and signed consent. The Golden Rule outlines the University procedures for confidentiality. For additional information describing FERPA policy, enter the Department of Education Family Policy Compliance Office website at http://www.ed.gov/officials/OM/ipcc/.

Higher Education Act
Lists, descriptions, and sources of information required for disclosure under the Higher Education Act may be obtained from the Registrar’s Office (MH 181) or from http://www.registrar.ucf.edu/hea/.
Accelerated Educational Opportunities

The University of Central Florida provides a number of options by which students may shorten the time required to complete the baccalaureate degree. These options permit the University to recognize high levels of academic achievement and acquisition of knowledge prior to or during attendance at the University. Procedures that may be used include the Advanced Placement Program (AP), the College Level Examination Program (CLEP), University Course Credit by Examination, DANTES, and the International Baccalaureate. A maximum of 45 credit hours in any combination of extension, AP, IB, correspondence, CLEP, Armed Forces Service School Credits, and University Credit by Examination will be accepted by the University for application toward an undergraduate degree. In addition, there are accelerated Undergraduate - Graduate Programs linking the bachelor’s and Master’s degree listed in the Undergraduate Catalog.

Test credit is applied according to the published policy at the time the credit is received and posted by the University.

Advanced Placement Program (AP)

(see table below)

Students who have participated in the Advanced Placement Program in high school and have received a score of 3, 4, or 5 on the national examinations will receive college credit in the appropriate subject areas. Students should consult their high school guidance counselor or write to the Educational Testing Service, Princeton, NJ 08540, for additional information. The table labeled “Advanced Placement Exams” provides information related to Advanced Placement examination areas and test-subareas for which credit may be awarded.

Advanced Placement Language (all modern languages)

A score of 3 earns a minimum of one semester (min. 3 credits - XXX 2230 or 2200) of 2000-level language. A score of 4 or 5 earns a minimum of two semesters (min. 6 credits XXX 2230 and 2231 or XXX 2200 and 2201) of 2000-level language. No literature credit will be awarded for AP foreign language exams.

Advanced Placement Literature (all modern languages)

A score of 3 earns a minimum of one semester (min. 3 credits) of introductory literature. A score of 4 or higher earns a minimum of two semesters (min. 6 credits) of introductory literature.

Advanced Placement Latin

The AP Latin course focuses on one or two authors. Students either study Vergil, or follow a “Latin Literature” syllabus that includes Catullus and either Horace, Ovid, or Cicero. A minimum of one semester (min. 3 credits) should be awarded for a score of 3 or higher.

AP Latin: Vergil LNW 2321
AP Latin: Latin Literature LNW 3700 (number unique to exam)

### ADVANCED PLACEMENT (AP)

<table>
<thead>
<tr>
<th>Exam</th>
<th>Score of 3</th>
<th>GEP Usage</th>
<th>Score of 4</th>
<th>Score of 5</th>
<th>GEP Usage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art History</td>
<td>ARH 1000</td>
<td>ARH 2050</td>
<td>Same as 4</td>
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<td>CUL &amp; HIS Found 2</td>
</tr>
<tr>
<td>Biology</td>
<td>BSC 1005/1005L</td>
<td>SCI Found 2</td>
<td>BSC 2010C</td>
<td>Same as 4</td>
<td>CUL &amp; HIS Found 2</td>
</tr>
<tr>
<td>Calculus AB</td>
<td>MAC 2311</td>
<td>MAT Found 1</td>
<td>Same as 3</td>
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<tr>
<td>Calculus BC*</td>
<td>MAC 2311</td>
<td>MAT Found 1</td>
<td>MAC 2311 and 2312</td>
<td>Same as 4</td>
<td>CUL Found 1</td>
</tr>
<tr>
<td>Chemistry</td>
<td>CHM 1020 &amp; 1020L</td>
<td>SCI Found 1</td>
<td>CHM 2045C</td>
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<td>CUL Found 1</td>
</tr>
<tr>
<td>Chinese Language &amp; Culture</td>
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<tr>
<td>Computer Science A</td>
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<tr>
<td>Computer Science AB</td>
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<tr>
<td>Economics: Macro</td>
<td>ECO 2013</td>
<td>SOC Found 1</td>
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<td>SOC Found 1</td>
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<tr>
<td>Economics: Micro</td>
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<td>SOC Found 1</td>
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<tr>
<td>English Language and Composition</td>
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<td>ENC 1101 and 1102</td>
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<td>COM Found 1 &amp; 2</td>
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<td>Environmental Science</td>
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<td>EIM 2000</td>
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<td>CUL and HIS Found 1 &amp; 3</td>
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<td>French Language &amp; Culture</td>
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<tr>
<td>German Language &amp; Culture</td>
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<tr>
<td>Government and Politics: Comparative</td>
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<td>Government and Politics: United States</td>
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<td>Human Geography</td>
<td>GEO 2400</td>
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<td>Same as 3</td>
<td></td>
<td>SCI Found 1</td>
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<tr>
<td>Italian Language &amp; Culture</td>
<td>ITA 2200</td>
<td>ITA 2200</td>
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<tr>
<td>Japanese Language &amp; Culture</td>
<td>JPN 2200</td>
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<tr>
<td>Latin: Literature</td>
<td>LNW 3700</td>
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<td>SCI Found 1</td>
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<td>Latin: Vergil</td>
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<tr>
<td>Latin: History</td>
<td>LNW 2321</td>
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<tr>
<td>Music Theory</td>
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<td>MUT 1111</td>
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<tr>
<td>Physics 1</td>
<td>PHY 2053C</td>
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<td>Same as 3</td>
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<td>SCI Found 1</td>
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<tr>
<td>Physics 2</td>
<td>PHY 2054C</td>
<td>SCI Found 1</td>
<td>Same as 3</td>
<td></td>
<td>SCI Found 1</td>
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<tr>
<td>Physics 3</td>
<td>PHY 2053C</td>
<td>SCI Found 1</td>
<td>PHY 2053C and 2054C</td>
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<td>SCI Found 1</td>
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<tr>
<td>Physics C: Electricity/Magnetism</td>
<td>PHY 2054C</td>
<td>SCI Found 1</td>
<td>PHY 2048C</td>
<td>Same as 4</td>
<td>SCI Found 1</td>
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<tr>
<td>Physics: Mechanics</td>
<td>PHY 2053C</td>
<td>SCI Found 1</td>
<td>PHY 2048C</td>
<td>Same as 4</td>
<td>SCI Found 1</td>
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<tr>
<td>Psychology</td>
<td>PSY 2012</td>
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<td>Same as 3</td>
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<td>SOC Found 2</td>
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<tr>
<td>Spanish Language</td>
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<tr>
<td>Spanish Literature</td>
<td>SPN 3100</td>
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</tr>
<tr>
<td>Statistics</td>
<td>STA 2023</td>
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<td>MAT Found 2</td>
</tr>
<tr>
<td>Studio Art: Drawing Portfolio</td>
<td>ART 2300C</td>
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<td>Studio Art: 2-D Design Portfolio</td>
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<td>Studio Art: 3-D Design Portfolio</td>
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<td>CUL &amp; HIS Found 1 &amp; 3</td>
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<td>CUL &amp; HIS Found 1</td>
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<td>CUL &amp; HIS Found 1</td>
</tr>
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</table>

*The AB subscore on the Calculus BC exam is regarded the same as a Calculus AB score.

# Students do not receive credit for courses that are essentially the same as courses offered at UCF unless the student receives credit for the equivalent course at UCF.

# If the student has previous credit for ENC 1101 and ENC 1102, credit will be awarded for LIT 1005.

UNIVERSITY OF CENTRAL FLORIDA 66 Undergraduate Catalog 2016-2017
### International Baccalaureate Program (see table below)

Students who have participated in the International Baccalaureate program in high school may receive a maximum of 30 hours of credit for scores of four or higher in the subsidiary and higher level program areas. The table below labeled “International Baccalaureate” provides information related to the International Baccalaureate program credit.

#### INTERNATIONAL BACCALAUREATE

<table>
<thead>
<tr>
<th>Exam</th>
<th>Score of 4</th>
<th>GEP Usage</th>
<th>Score 5-7</th>
<th>GEP Usage</th>
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<td>Biology</td>
<td>BSC 1005/1005L</td>
<td>SCI Found 2</td>
<td>BSC 1005/1005L and BSC 2010C</td>
<td>SCI Found 2</td>
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<tr>
<td>Business Management</td>
<td>GEB 2011</td>
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<td>GEB 2111 and 2050</td>
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<tr>
<td>Chemistry</td>
<td>CHM 1020 and 1020L</td>
<td>SCI Found 1</td>
<td>CHM 1020/1020L and CHM 2045C</td>
<td>SCI Found 1</td>
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<tr>
<td>Computer Science</td>
<td>CGS 1078</td>
<td>MAT Found 2</td>
<td>CGS 1078 and 1906</td>
<td>MAT Found 2</td>
</tr>
<tr>
<td>Design Technology</td>
<td>ETI 1410</td>
<td></td>
<td>ETI 1410 and 1906</td>
<td></td>
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<tr>
<td>Economics</td>
<td>ECO 1000</td>
<td></td>
<td>ECO 2013 and 2023</td>
<td>SOC Found 1</td>
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<tr>
<td>Ecosystems and Societies</td>
<td>EVR 1017</td>
<td></td>
<td>EVR 1017 and 1906</td>
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<tr>
<td>English A1</td>
<td>ENC 1101</td>
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<td>ENC 1101 and 1102</td>
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<td>Environmental Systems</td>
<td>ISC 1050</td>
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<td>ISC 1050 and 1906</td>
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<td>Film Studies</td>
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<td>CUL and His Found 2</td>
<td>FIL 1001 and 1002</td>
<td>CUL and His Found 2</td>
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<tr>
<td>French</td>
<td>FRE 1121</td>
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<td>FRE 1121C and 2200</td>
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<td>Further Mathematics</td>
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<td>MATH 1202 and 1209</td>
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<td>(Advanced Mathematics)</td>
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<tr>
<td>Geography</td>
<td>GEA 1000</td>
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<td>GEO 1200 and 1400</td>
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<td>German</td>
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<td>GER 1121C and 2200</td>
<td>SCI Found 2</td>
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<td>History</td>
<td>WOH 1000</td>
<td>CUL &amp; His Found 1</td>
<td>WOH 1030 and WOH 1999</td>
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<td>Information &amp; Information Technology for a Global Society</td>
<td>IDS 1906 (3 credits)</td>
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<td>IDS 1906 (6 credits)</td>
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<td>Islamic History</td>
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<td>ASH 1906 (6 credits)</td>
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<td>Italian</td>
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<td>ITA 1121 and 2200</td>
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<td>LAT 2230</td>
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<td>LAT 2230 and 1906</td>
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<td>Marine Science</td>
<td>BSC 2311/2311L (3 credits)</td>
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<td>Same as 4 (min of 6 credits)</td>
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<td>Math Methods</td>
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<td>SCI Found 1</td>
<td>MAC 1105 and 1140</td>
<td>SCI Found 1</td>
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<td>Math Studies</td>
<td>MAT 1033</td>
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<td>MAT 1033 and MGF 1106</td>
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<td>Mathematics</td>
<td>MAC 1147</td>
<td>SCI Found 1</td>
<td>MAC 1147 and 2233</td>
<td>MAT Found 1</td>
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<tr>
<td>Music</td>
<td>MUL 2010</td>
<td>CUL &amp; His Found 2</td>
<td>MUL 2010 and HUM 1906</td>
<td>CUL &amp; His Found 2</td>
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<tr>
<td>Philosophy</td>
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<td>CUL &amp; His Found 2</td>
<td>PHI 2010 and 1906</td>
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<td>Physics</td>
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<td>PHY 2030C and 2054C</td>
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<td>PSY 2012 and 1906</td>
<td>SOC Found 2</td>
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<td>Social Anthropology*</td>
<td>ANT 2410</td>
<td>SOC Found 2</td>
<td>ANT 2410 and 1906</td>
<td>SOC Found 2</td>
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<td>Spanish</td>
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<td>SPN 1121 and 2230</td>
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<td>Theatre Arts</td>
<td>THE 2000</td>
<td>CUL &amp; His Found 2</td>
<td>THE 1900 and 1906</td>
<td>CUL &amp; His Found 2</td>
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<td>Visual Arts</td>
<td>ART 1012</td>
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<td>ART 1012 and 1906</td>
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*This use for General Education applies only to I.B. credit.

### COLLEGE LEVEL EXAMINATION PROGRAM (CLEP)

<table>
<thead>
<tr>
<th>Exam</th>
<th>Scale Score of 50 for passing</th>
<th>GEP Usage</th>
<th>Comments</th>
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<tbody>
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<td>Accounting, Principles of</td>
<td>ACG 1001</td>
<td>MAT Found 1</td>
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<tr>
<td>Algebra, College</td>
<td>MAC 1105</td>
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<td>College Composition</td>
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<td>COM Found 1 and 2</td>
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<td>COM Found 1 and 2</td>
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<td>German Language</td>
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<td>AMH 2010</td>
<td>CUL &amp; HIS Found 1 or 3</td>
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<td>SOC Found 1</td>
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<td>Management, Principles of</td>
<td>MAN 2021</td>
<td>MAT Found 1</td>
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<td>Marketing, Principles of</td>
<td>MAR 2011</td>
<td>MAT Found 1</td>
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<td>Precalculus</td>
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<td>Sociology, Introductory</td>
<td>SYG 2000</td>
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<td>Trigonometry</td>
<td>MAC 1114</td>
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<td>Western Civilization I: Ancient Near East to 1648</td>
<td>EUH 2000</td>
<td>CUL &amp; HIS Found 1 or 3</td>
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<td>Western Civilization II: 1648 to Present</td>
<td>EUH 2001</td>
<td>CUL &amp; HIS Found 1 or 3</td>
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</table>
International Baccalaureate (all modern languages)
International Baccalaureate offers examinations in many languages and literatures at different levels: B, A2, and A1. Most students in Florida take English as their A1 level language (literature for native or near-native speakers) and one or more foreign Language B exams. Within each category, there are “standard” and “higher” level examinations. Institutions may wish to award additional credit for higher-level exams.

Language B (most common)
Students earn a minimum of one semester (3 credits) of language credit at the Elementary Language II or equivalent level (usually 1121C level) for a score of 4. Students who score 5-7 earn a minimum of two semesters (6 credits) of Elementary Language I or their equivalents (usually 1121C/2200) level. No literature credit will be awarded for International Baccalaureate Language B exams.

Language A2 (language and literature courses for highly proficient speakers; uncommon in Florida)
No direct equivalent. Content of Language A2 varies widely. Minimum 3 credits language or literature for score of 4, 6 credits of language or literature for a score of 5-7.

Language A1 (literature courses for native speakers; languages other than English)
No direct equivalent. Content of Language A1 varies widely. Minimum 3 credits in literature for score of 4, 6 credits for score of 5-7.

IB Latin
LNW 3700. This is a unique number assigned to this exam. The IB Latin course includes a reading component and a selection of two out of four authors on a list that changes periodically. Minimum 3 credits for score of 4, 6 credits for score of 5-7 (all exams for diploma holders, higher level exams only for others).

College Level Examination Program (CLEP) (see table on previous page)
Credit is awarded for scaled scores of 50 or higher on computer-based CLEP exams taken after July 1, 2001. A percentile score of 50 or higher is required on CLEP examinations taken prior to July 1, 2001. CLEP credit may be earned by CLEP subject examinations. Successful completion of CLEP examinations means performance at or above the minimum qualifying score. CLEP credit cannot be used to reduce a grade point deficiency. For example, CLEP cannot be substituted for a grade awarded for a previously completed course. CLEP may not be used to fulfill the senior institution requirements.

Awarding of CLEP credit is subject to the conditions listed below.

- Credit may be awarded in the CLEP subject examination area, provided the student: a) is not within 60 credit hours of graduation; b) has not previously received comparable college course credit in the CLEP examination area; c) does not receive comparable college credit in the CLEP examination area in the same term the examination is taken or in a subsequent term; d) has not previously completed, failed, nor received credit by UCF (transfer or otherwise) in a more advanced course in the examination area; and e) does not complete nor receive credit by UCF (transfer or otherwise) in a more advanced course during the term in which the CLEP examination is taken.

The table labeled “College Level Examination Program” provides information related to the CLEP examination areas and subtest areas for which credit may be awarded. In addition, this table delineates the minimum qualifying score and the UCF course for which each examination can substitute.

CLEP Language Examinations
A score of 50 on any of the language exams earns a minimum of one semester (4 credits) of Elementary Language I or equivalent level (generally numbered 1120). A score at or above the second CLEP threshold level (currently 59 for French, 60 for German, or 63 for Spanish) earns a minimum of two semesters (8 credits) of Elementary Language I and II or equivalent level (generally numbered 1120C-1121C). No literature credit should be awarded for CLEP foreign language exams.
Credit by Examination

Regularly enrolled (excludes transient and non-degree) undergraduate students at the University of Central Florida may obtain credit for specific University courses through departmental examinations. A student who believes he or she has acquired the knowledge and/or skills of a specific University course should consult his or her advisor and the chair of the department in which the course is offered to arrange for an examination. Degree credit will be awarded for those courses successfully completed by departmental examination. Credit by examination may not be used to reduce the 30 credit hours residency requirement. Credit by examination will not be given for any course lower in content than courses in the same discipline in which students are currently enrolled or which they have already completed or failed. Permission to take an examination is approved by the chair of the department and the dean of the college in which the course is offered.

Cambridge AICE Exams (see table below)

The Advanced International Certificate of Education (AICE) program is an international, advanced secondary curriculum and assessment program equivalent to the British system of “A-Levels.” Information about the program, including course syllabi, can be found online at http://www.cie.org.uk/qualifications/academic/uppersec/alevel.

DANTES Examination Credit (see table on next page)

The University will award credit to students presenting qualifying scores in DANTES examinations. The table labeled “DANTES Subject Standardized Tests (DSST)” provides information related to the Dantex Examination Credit. For additional information: http://www.getcollegecredit.com.

**Cambridge AICE Exams**

<table>
<thead>
<tr>
<th>Exams</th>
<th>Passing score of “A”, “B”, “C”, “D” or “E”</th>
<th>GEP Usage</th>
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<td>Accounting (AS-Level)</td>
<td>ACG 1001</td>
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<td>Accounting (A-Level)</td>
<td>ACG 1001 and ACG 1906</td>
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<tr>
<td>Applied ICT – Information, Communication Technology (AS-Level)</td>
<td>CGS 106C</td>
<td>MAT Found 2</td>
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<tr>
<td>Applied ICT – Information, Communication Technology (A-Level)</td>
<td>CGS 106C and CGS 1906</td>
<td>MAT Found 2</td>
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<tr>
<td>Art and Design (AS-Level)</td>
<td>ART 1900</td>
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<td>Art and Design (A-Level)</td>
<td>ART 1906 and ART 1907</td>
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<td>BSC 1005/1005</td>
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<td>BSC 2010C and BSC 1906</td>
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<td>Business Studies (AS-Level)</td>
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<td>Business Studies (A-Level)</td>
<td>GEB 211 and GEB 2905</td>
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<td>CHM 1020/1020</td>
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<td>CHM 1020C and CHM 2045C</td>
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<td>CGS 1073 and CGS 1074</td>
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<td>ETL 1482C and ETL 1906</td>
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<td>Economics (A-Level)</td>
<td>ECO 2013 and ECO 2023</td>
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<tr>
<td>English - English Language (AS-Level)</td>
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<td>English - Language &amp; Literature in English (AS-Level)</td>
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<td>COM Found 1</td>
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<td>English - Literature in English (A-Level)*</td>
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<td>Further Mathematics (A-Level)</td>
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<td>German (A-Level)</td>
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<td>History - International History, 1945-1991</td>
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<td>MAC 2311 and MAC 1906</td>
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<td>Travel and Tourism (A-Level)</td>
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</table>

*If the student has previous credit for ENC 1101, credit will be awarded for ENC 1102.

# If the student has previous credit for ENC 1101, credit will be awarded for ENC 1102 and LIT 2100.

GEP Usage

- **MAT Found 1**: Mathematics Foundational I
- **MAT Found 2**: Mathematics Foundational II
- **SCI Found 1**: Science Foundational I
- **SCI Found 2**: Science Foundational II
- **SOC Found 1**: Social Science Foundational I
- **SOC Found 2**: Social Science Foundational II
- **CUL and HIST Found 2**: Culminating and Historical Studies FOUNDATIONS II
- **COM Found 1**: Communication Foundational I
- **COM Found 2**: Communication Foundational II
### Academic Regulations and Procedures

#### Excelsior College Examinations (see table below)
The table labeled “Excelsior College Examinations” provides information related to the Excelsior examination areas and subtest areas for which credit is awarded. More detailed information about Excelsior College Examinations, including detailed test descriptions, can be found online at [http://www.excelsior.edu](http://www.excelsior.edu).

#### UEXCEL Credit by Examination (see table below)
The table labeled “UEXCEL Credit by Examination” provides information related to the UEXCEL program developed jointly by Excelsior College and Pearson. More detailed information about the UEXCEL program, including test descriptions can be found online at [http://www.uexceltest.com/about-uexcel](http://www.uexceltest.com/about-uexcel).

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### DANTES SUBJECT STANDARDIZED TESTS (DSST)

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<tr>
<th>Exam Title</th>
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<th>Passing Score 2008 Revised Exams</th>
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<td>Business Ethics and Society</td>
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<td>Business Math</td>
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<td>Criminal Justice</td>
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<td>Ethics in America</td>
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<td>Foundations of Education</td>
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<td>Fundamentals of College Algebra</td>
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<td>General Anthropology</td>
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<td>Here’s to Your Health</td>
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<td>Introduction to Law Enforcement</td>
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<td>BAN 1501</td>
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<tr>
<td>Rise and Fall of the Soviet Union</td>
<td>EUH 1066</td>
<td></td>
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<td>Substance Abuse</td>
<td>HSC 2140</td>
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<td>Technical Writing</td>
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<td>The Civil War and Reconstruction</td>
<td>AMH 1056</td>
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</table>

### EXCELSIOR COLLEGE EXAMINATIONS TABLE

<table>
<thead>
<tr>
<th>Exam Title</th>
<th>Course Number</th>
<th>GEP Usage</th>
<th>Passing Grade Credit</th>
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<tbody>
<tr>
<td>Abnormal Psychology</td>
<td>CLP 1140</td>
<td></td>
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<tr>
<td>Earth Science</td>
<td>ESC 1000</td>
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<tr>
<td>English Composition</td>
<td>ENC 1101</td>
<td>COM Found 1</td>
<td>C</td>
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<tr>
<td>Ethics: Theory and Practice</td>
<td>PHI 1630</td>
<td></td>
<td>C</td>
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<tr>
<td>Foundations of Gerontology</td>
<td>GEY 1000</td>
<td></td>
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<tr>
<td>Human Resources Management</td>
<td>MAN 1300</td>
<td></td>
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<td>Introduction to Music</td>
<td>MJH 1011</td>
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<td>Labor Relations</td>
<td>MAN 1400</td>
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<td>C</td>
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<td>Life Span Developmental Psychology</td>
<td>DEP 2004</td>
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<td>C</td>
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<td>Managerial Accounting</td>
<td>ACG 2071</td>
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<td>Microbiology</td>
<td>MCB 1000</td>
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<td>C</td>
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<tr>
<td>Principles of Marketing</td>
<td>MAR 2011</td>
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<td>C</td>
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<tr>
<td>Psychology of Adulthood and Aging</td>
<td>DEP 1401</td>
<td></td>
<td>C</td>
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<td>Workplace Communication with Computers</td>
<td>OST 2335</td>
<td></td>
<td>C</td>
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<td>World Conflicts since 1900</td>
<td>WOH 2040</td>
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### UEXCEL CREDIT BY EXAMINATION

<table>
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<tr>
<th>Exam</th>
<th>Course Number</th>
<th>GEP Usage</th>
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<tr>
<td>Calculus</td>
<td>MAC 2311</td>
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<tr>
<td>College Writing</td>
<td>ENC 1101</td>
<td>COM Found 1</td>
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</tr>
<tr>
<td>Spanish Language</td>
<td>SPN 1120</td>
<td></td>
<td>C</td>
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</tbody>
</table>
Requirements for Graduation

Students must fulfill both the requirements for a major and University requirements to receive a bachelor's degree from the University of Central Florida. The student must:

- Fulfill the requirements for the chosen major;
- Earn a minimum of 120 unduplicated credit hours with at least a “C” average (2.0 GPA) for all UCF course work attempted. Some majors require more than 120 hours;
- Earn at least 48 of these 120 credit hours in 3000-level courses or above (upper-division);
- Earn a minimum of 30 of their last 39 hours in regular courses at UCF. Credit by Examination may not be used to satisfy this requirement;
- Earn a minimum of 25% of the total hours required for the degree in residence at UCF. For programs that require the minimum of 120 total hours, residency will be 30 hours. For programs that exceed 120 hours, the specific residency requirement increases proportionally and is listed with the requirements for the specific degree program;
- Earn a minimum of 60 credit hours after CLEP credit has been awarded;
- Apply for more than 45 credit hours in any combination of extension, correspondence, CLEP, University Credit by Examination and Armed Forces credits toward an undergraduate degree;
- Fulfill the General Education Program requirements;
- Fulfill the Gordon Rule requirements;
- Fulfill the Foreign Language requirements as defined elsewhere in the section;
- Earn a minimum of nine credit hours during Summer terms, if applicable; and,
- Be registered at UCF during the semester of graduation.

Degrees Awarded Posthumously

Students will be considered for posthumous degrees by the Commencement and Convocations Committee if they are in good academic standing at the time of their death, have a 2.0 GPA or better and are within at least 15 credit hours of completion of all requirements or are in the final term of completion of all their requirements.

Choice of Catalog (Catalog Year) and Continuous Enrollment

A student must graduate under the degree requirements of any UCF Undergraduate Catalog in effect since the student began continuous enrollment at UCF. However, courses may change (for example, in credit hours or in prerequisites) or be discontinued as a result of curricular review. New Catalog policies and requirements take effect with the Summer term. A student transferring from Florida College System institutions or state universities may use the UCF Undergraduate Catalog in effect at the time he or she began continuous enrollment in academic good standing at any of the Florida public institutions.

Continuous enrollment is defined as being enrolled in classes without a break of two or more consecutive regular semesters/terms (i.e., Fall and Spring or Summer, Spring, and Fall). Continuous enrollment is automatically broken when a student moves from one transfer institution to another following academic disqualification or exclusion. Students who change majors between different colleges must adopt the most current Catalog. Additional information is included in the program descriptions. Students pursuing a single degree (including double majors and/or minors) must use a single catalog and cannot use a combination of catalogs for graduation. In cases when required courses are no longer taught by the University, the appropriate department, college, or Academic Services (MH 210) may designate a reasonable substitute. If a student desires to change the catalog for graduation, the student should first discuss with the advisors how such a change would affect University, college, and major requirements. If a student decides to request a change, he or she must submit a “Catalog Year Change Request Form” to the Registrar’s Office (MH 161). This form is available at the Registrar’s Office or online at http://www.registrar.ucf.edu.

General Education Program (GEP)

The purposes of the UCF General Education Program (GEP) are to introduce students to a broad range of human knowledge and intellectual pursuits, to equip them with the analytic and expressive skills required to engage in those pursuits, to develop their ability to think critically, and to prepare them for life-long learning. The GEP curriculum provides students with the intellectual, ethical, and aesthetic foundations necessary to make informed choices; to accept the responsibilities of working and living in a rapidly changing world; and to lead a productive and satisfying life.

Courses that fulfill the General Education Program requirements are specified, but in some cases an alternate course in the same discipline may be substituted for GEP requirements. These alternate courses, approved by the Faculty Senate Undergraduate Common Program Oversight Committee, are listed in the section identified as “Alternate Courses: General Education Program.” Students should consult with an advisor before enrolling in an alternate course. Undergraduate students who have not completed requirements for the Associate of Arts degree and who desire to transfer to another Florida public university can have their transcripts indicate “General Education Requirements Met” upon written request, if they have completed UCF’s GEP requirements with a GPA of 2.0 or better. UCF will accept a similar statement on transcripts received from Florida College System institutions and universities in lieu of completion of the University’s General Education Program. Students enrolled in courses that use the “NC” grade must earn a grade of “C-” (1.75) or better.

General Education Program Learning Objectives

Communications Foundation

- Demonstrate the ability to analyze the situational characteristics of a communication act: audience, purpose, and source/author.
- Demonstrate the ability to understand communication and speaking skills.
- Demonstrate the ability to write in a clear, logical and appropriate manner.
- Demonstrate the ability to research academic topics and present the synthesis of that research: 1) in speech with appropriate citations; and 2) in texts with correct documentation.
- Demonstrate an awareness of diversity in American society.

Cultural and Historical Foundation

- Be able to gather, synthesize, and analyze information from appropriate resources and be able to critically evaluate information and sources for accuracy and credibility.
- Identify and develop appreciation of common human themes and the richness of diverse cultures.
- Be able to analyze and discuss meaning of an artwork, performance, or text in diverse aesthetic, historical and cultural contexts.
- Demonstrate knowledge and critical thinking of the concepts, styles, and aesthetic, theoretical, and critical principles in an art.
- Demonstrate knowledge of the chronology and significance of major events and movements in western civilization, U.S. history or world civilization.

Mathematical Foundation

- Demonstrate the skills needed to solve quantitative problems including choosing the proper technique and/or technology.
- Be able to solve real-world quantitative problems.
- Demonstrate qualitative understanding of mathematical, statistical, and computing concepts.
- Demonstrate knowledge and understanding of essential computing concepts common to academic degrees and their related professions.
- Demonstrate essential computing skills common to academic degrees and their related professions, and in particular, skills relating to professional use of computers and application software.

Social Foundation

- Be able to gather and synthesize information from appropriate resources, and be able to evaluate information and sources for accuracy and credibility.
- Understand how an individual’s place in the world is affected by social, economic, and political institutions.
- Gain a deeper appreciation of one’s role and potential impact in social, economic, and political structures and functions.
- Demonstrate an understanding of the interaction among social, economic, and political structures and functions.
- Understand how individuals behave and interact with other individuals in their psychological, political, economic and social environments.
Undergraduate Degree Requirements

General Education Program (GEP) Courses (36 credit hours required)

(Some majors require a specific course or a higher level course in some areas. Consult your major requirements and advisor.)

Satisfactorily complete one course in each of the twelve numbered areas............ 36 hours

At least one course completed in each Foundation area must be a designated State General Education Core Course (♦)

A. Communication Foundation ........................................... 9 hours

1. ♦ENC 1101 Composition I 1, 2 ............................ (3,3)

2. ENC 1102 Composition II PR: ENC 1101 1, 2 ............................ (3,3)

3. SPC 1608 Fundamentals of Oral Communication ..................... (3,3)

SPC 1603C Fundamentals of Technical Presentations ..................... (3,3)

COM 1000 Introduction to Communication ................................ (3,3)

B. Cultural and Historical Foundation ................................ 9 hours

1. EUH 2000 Western Civilization I 2 ................................ (3,3)

EUH 2001 Western Civilization II 2 ................................ (3,3)

HUM 2210 Humanistic Tradition I .............................. (3,3)

HUM 2230 Humanistic Tradition II ................................ (3,3)

AMH 1010 U.S. History: 1492-1877 2 ............................ (3,3)

WOH 2012 World Civilization I .............................. (3,3)

WOH 2022 World Civilization II ................................ (3,3)

2. ARH 2050 History of Western Art I ................................ (3,3)

ARH 2051 History of Western Art II ................................ (3,3)

MUL 2010 Enjoyment of Music ................................ (3,3)

THE 2000 Theatre Survey ................................ (3,3)

FIL 1000 Cinema Survey ................................ (3,3)

REL 2300 World Religions ................................ (3,3)

PHI 2010 Introduction to Philosophy ................................ (3,3)

LIT 2110 World Literature I PR: ENC 1102 2 ....................... (3,3)

LIT 2120 World Literature II PR: ENC 1102 2 ....................... (3,3)

3. Take one additional course from either B1 or B2. Consider that some courses also partially satisfy the Gordon Rule requirement.

C. Mathematical Foundation ............................................. 6 hours

1. ♦MAC 1105C College Algebra 2 ................................ (3,1)

♦MAC 2311C Calculus with Analytic Geometry I 2 .............. (4,3,2)

♦MGF 1106 Finite Mathematics 2 ................................ (3,3)

♦MGF 1107 Explorations in Mathematics 2 ........................ (3,3)

2. CGS 1060C Introduction to Computers 2 ....................... (3,2,2)

STA 1063C Basic Statistics using Microsoft Excel 2 ...................... (3,2,2)

STA 2014C Principles of Statistics 2 ............................ (3,3)

♦STA 2023 Statistical Methods I ............................... (3,3)

D. Social Foundation ....................................................... 6 hours

1. ♦eco 2013 Principles of Macroeconomics ........................ (3,3)

eco 2023 Principles of Microeconomics ........................ (3,3)

♦POS 2041 American National Government ........................ (3,3)

AMH 2020 U.S. History: 1877-present 2 ....................... (3,3)

2. ♦PSY 2012 General Psychology ................................ (3,3)

SYG 2000 Introduction to Sociology ................................ (3,3)

ANT 2000 General Anthropology ................................ (3,3)

E. Science Foundation ..................................................... 6 hours

1. ♦AST 2002 Astronomy PR: High School Algebra or MAC 1105C .... (3,3)

PSC 1121* Physical Science PR: High School Algebra or MAC1105C .... (3,3)

PHY 2080 Concepts of Physics ................................ (3,3)

PHY 2053C College Physics I: MAC 1105C and MAC 1114C .... (4,3,3)

PHY 2048C General Physics Using Calculus I ........................ (4,3,3)

CHM 1020 Concepts in Chemistry PR: High School Algebra .... (3,3)

CHM 2045C Chemistry Fundamentals I .............................. (4,3,3)

2. ♦BSC 1050* Biological Principles ................................ (3,3)

BSC 1050* Biology and Environment ................................ (3,3)

♦MUL 2010C Biology I .............................................. (3,3)

EVR 1001 Introduction to Environmental Science ......................... (3,3)

GLY 1030 Geology and its Applications ................................ (3,3)

GE 1200* Physical Geography ................................ (3,3)

ANT 2011 The Human Species ................................ (3,3)

MCS 1310 Intro to Biotechnology and Genetic Engineering ........... (3,3)

*A one credit laboratory is also available for this course.

1A grade of ‘C’-(1.75) or better is required in this course.

1A grade of ‘C’-(1.75) or better satisfies three hours of the Gordon Rule requirement.

Science Foundation

■ Demonstrate an understanding of science as an empirical attempt to acquire information about the real world, develop possible explanations of these phenomena, and test the explanations by predicting the outcome of future observations.

■ Demonstrate an ability to assess the extent to which claims presented as "scientific" satisfy the empirical character of scientific explanations.

■ Demonstrate understanding of scientific knowledge and problem solving in a physical or life science.

Substitution of Courses: General Education Program and Other Requirements

The student degree audit system is coordinated by the Office of Academic Services for the evaluation of transfer courses for the University’s General Education Program and Foreign Language Proficiency requirements. When the transfer course work is entered into the UCF computer system (usually during the first semester at UCF), course descriptions and other information to provide a sufficient basis for evaluation may be requested. Courses are evaluated on the basis of equivalency with the content of the courses required by the University. The evaluation conducted is entered into a computerized Degree Audit system and then is available to the colleges and departments through the University’s computer network and for the student online access through myUCF at https://my.ucf.edu. Appeals of transfer credit decisions should be directed to Academic Services (MH 210). Substitution requests for college or major requirements are processed within those administrative offices.

General Education Alternate Courses:

■ Substitutions for designated State General Education Core Courses (♦): Courses that may be taken in substitution of State General Education Core Courses (♦) are listed below.

Mathematical Foundation: MAC 1114C, MAC 1140C

■ Other courses that may be taken in substitution for the GEP requirements are listed below. These alternate courses do not satisfy the State General Education Core Course requirement:

GEP Requirement Acceptable Substitutions

CHM 1200 CHM 1440, CHM 1302

CHM 2040 & CHM 2041

GEO 1200 GEO 2370

CS 2010 CGS 2100C, COP 2500C, COP 3520C, COP 3100C

STA 2014C STA 3032

THE 2000 THE 2020

FIL 1000 FIL 2030, FIL 3036, FIL 3037

MUL 2010 MUL 1701, MUL 2019, MUL 3212, MUL 2016, MUL 2720

Diversity Requirement

The University recognizes that communities are comprised of, and enriched by, people of diverse backgrounds. The study of diversity is encouraged to promote an understanding of the needs of individuals, the University, and society. Thus, all students completing their first bachelor’s degree from UCF must complete at least one course that explores the diverse backgrounds and characteristics found among humans, including: race/ethnicity, gender, social class/caste, religion, age, sexual orientation, and level of physical ability.

Students are exempt from this requirement if they have completed an Associate of Arts degree or the General Education-program at a Florida College System institution or public state university. Students who have previously completed a baccalaureate degree also are exempt.

The requirement is satisfied by the successful completion of a diversity course selected from the following list. Additional courses may be approved subsequently by the Common Program Oversight Committee, so students should consult their departmental advisor for the most current listing.

UNIVERSITY OF CENTRAL FLORIDA
Undergraduate Degree Requirements

General Education Courses:
ENC 1102 Composition II
SPC 1608 Fundamentals of Oral Communication
SYG 2000 Introduction to Sociology
ANT 2000 General Anthropology
POS 2041 American National Government
PSY 2012 General Psychology
WOH 2022 World Civilization II
LIT 2120 World Literature II

Other Courses:
AMH 3422 Frontier Florida
AMH 3425 Sunbelt Florida
AMH 3562 Women in American History II
AML 3682 Ethnic Literature in America
ANT 3245 Native American Religions
CPO 3034 Politics of Developing Areas
EDF 2085 Introduction to Diversity for Educators
HUM 3423 African Humanities
HUM 4489 American Cultural Studies in the Humanities
JST 3401 Jewish People in Antiquity
JST 3402 Wanderings: The Jewish People in Dispersion
LIN 4615 African-American Styles of Communication
LIN 4643 Cross Cultural Communication
LIT 3192 Caribbean Literature
MUL 2720 Music of the World
NUR 3805 Dimensions of Professional Nursing Practice
PAD 4446 Multiculturalism in Public Administration
PLA 4020 Law and Society
PLA 4530 World Legal Systems
PLA 4472 Employment Discrimination Law
POS 3627 Cultural Pluralism and Law
PUP 3325 Women and Political Behaviors
POS 4622 Politics and Civil Rights
PUP 3314 Women and Political Behavior
PUP 3204 Sustainability
REL 2300 World Religions
SOW 3620 Social Work with Diverse Populations
SPA 4476 Multicultural Aspects of Communication Disorders & Differences
SPW 4772 Black Presence in Contemporary Latin American Literature
SYD 3800 Sex and Gender in Society
SYP 4732 Minority Aging
THE 4230 Cultural Diversity in Theater
WST 3561 Third Wave Feminisms
WST 3015 Introduction to Women’s Studies

Transfer work from other colleges and universities is evaluated by the student’s major department to determine if courses meet the diversity requirement. Satisfaction of this requirement remains in effect if the student changes majors.

Exit Exams
In order to measure their effectiveness, some departments and colleges may require graduating students to participate in an exit exam designed to measure the students’ understanding of the discipline.

Foreign Language Proficiency Requirement (Bachelor of Arts Degree)
Students graduating with a Bachelor of Arts degree must demonstrate proficiency in a foreign language equivalent to one year of college instruction. This requirement may be met either by successful completion of the appropriate college-level course or by examination. Languages that may be used include those taught at UCF and any others for which the University can obtain standardized proficiency tests. Students who have previously received a baccalaureate degree are exempt from this requirement. Native speakers or students who have completed appropriate advanced foreign language education abroad will be considered to have satisfied the requirement.
Undergraduate Degree Requirements

Placement in Language Courses
Placement in foreign language courses is based on one year of high school language being equivalent to one semester of college work. For example, four years of one high school foreign language place the student in the first semester of the third year.

Several departments, colleges, and schools have additional requirements. See the "Special College and/or Departmental Requirements" within each listing.

1. This requirement is for proficiency and not a requirement for a particular number of hours of course work. For example, successful completion of only SPN 1121C (Elementary Spanish Language and Civilization II) would satisfy the B.A. requirement. Appropriate scores on Advanced Placement and CLEP examinations will also satisfy the requirement.

2. This is a University-wide requirement for all B.A. majors.

3. The Testing Administrator of the University Testing Center will offer the Foreign Language Proficiency Examination throughout each term. Students must register in advance with that office to take the examination (HPH 106).

4. The foreign language proficiency requirement does not apply to students seeking a second baccalaureate degree.

5. A student who is required and furnishes a passing TOEFL (Test of English as a Foreign Language) score for admission to the University is considered to have satisfied the requirements.

American Sign Language
Students pursuing a Bachelor of Arts Degree may substitute American Sign Language for the foreign language exit requirement, except where one or more foreign languages have been specified by a college, school, or program for a specific degree (see individual degree program listings for more information). Proficiency is met either by successful completion of ASL 4161C (previously numbered SPA 4614C) or an appropriate score on the ASL proficiency exam. Contact the Department of Communication Sciences and Disorders regarding the proficiency examination.

SUS Foreign Language Admission Requirement
Students who have not satisfied the Foreign Language Admission Requirement (competency of foreign language or American Sign Language equivalent to the second high school level or higher (Spanish 2, Haitian Creole 2, etc.) or at the elementary 2 level in one foreign language or American Sign Language at an undergraduate institution) at the time they are admitted to the University must satisfy this requirement prior to graduation. This requirement applies to all undergraduates and is separate from the UCF Foreign Language proficiency requirement.

The Gordon Rule
The "Gordon Rule" (State Rule 6A-10.30) applies to students who first enrolled in any college or university after October 1982. The rule requires students to complete four courses (twelve credit hours) of writing and to complete two courses (six credit hours) of mathematics at the level of college algebra or higher. Each course must be completed with a minimum grade of "C-" (1.75).

UCF courses that are required by the General Education Program also may be used to satisfy the Gordon Rule. "Gordon Rule" requirements may be satisfied by the General Education Program as follows:

Gordon Rule Requirement: GE Courses Which Satisfy:
1. Six hours of mathematics at the level of college algebra or higher
2. Six hours of English coursework and six hours of additional college level writing

General Education courses that apply to the Gordon Rule Writing Requirement:

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<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>ENC 1101</td>
<td>Composition I</td>
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<tr>
<td>ENC 1102</td>
<td>Composition II</td>
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<tr>
<td>LIT 2110</td>
<td>World Literature I</td>
</tr>
<tr>
<td>LIT 2120</td>
<td>World Literature II</td>
</tr>
<tr>
<td>AMH 2010</td>
<td>U.S. History: 1492-1877</td>
</tr>
<tr>
<td>AMH 2020</td>
<td>U.S. History: 1877-Present</td>
</tr>
<tr>
<td>EEUH 2000</td>
<td>Western Civilization I</td>
</tr>
<tr>
<td>EEUH 2001</td>
<td>Western Civilization II</td>
</tr>
</tbody>
</table>

HUM 2210 | Humanistic Tradition I |
HUM 2230 | Humanistic Tradition II |
WON 2012 | World Civilization I |
WON 2022 | World Civilization II |

Non-Gen Ed courses that also apply to the Gordon Rule Writing Requirement:

<table>
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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>AMH 2010H</td>
<td>Honors U.S. History: 1492 - 1877</td>
</tr>
<tr>
<td>AMH 3402</td>
<td>History of the South to 1865</td>
</tr>
<tr>
<td>AMH 3403</td>
<td>History of the South Since 1865</td>
</tr>
<tr>
<td>AMH 3441</td>
<td>History of the Frontier: Eastern America</td>
</tr>
<tr>
<td>AMH 3442</td>
<td>History of the Frontier: Western America</td>
</tr>
<tr>
<td>AMH 3541</td>
<td>U.S. Military History To 1900</td>
</tr>
<tr>
<td>AMH 3561</td>
<td>Women in American History I</td>
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<tr>
<td>AMH 3571</td>
<td>Black American History I</td>
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<tr>
<td>AMH 3580</td>
<td>North American Indians</td>
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<td>AMH 3580</td>
<td>Canadian History</td>
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<td>AMH 4110</td>
<td>Colonial America, 1607-1763</td>
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<tr>
<td>AMH 4130</td>
<td>The Age of the American Revolution, 1763-1789</td>
</tr>
<tr>
<td>AMH 4140</td>
<td>Jeffersonian America</td>
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<tr>
<td>AMH 4160</td>
<td>Jacksonian America</td>
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<tr>
<td>AMH 4201</td>
<td>The Gilded Age and Progressivism</td>
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<tr>
<td>AMH 4231</td>
<td>United States History: 1914-1939</td>
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<tr>
<td>AMH 4270</td>
<td>United States History: 1939-1960</td>
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<tr>
<td>AMH 4644</td>
<td>Viewing American History in the Twentieth Century</td>
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<tr>
<td>AML 3031</td>
<td>American Literature I</td>
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<td>AML 3041</td>
<td>American Literature II</td>
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<tr>
<td>AML 3283</td>
<td>Contemporary American Women’s Fiction</td>
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<tr>
<td>AML 3286</td>
<td>Early American Women's Words</td>
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<tr>
<td>AML 3613</td>
<td>Narratives of Slavery</td>
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<tr>
<td>AML 3614</td>
<td>Topics in African-American Literature</td>
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<tr>
<td>AML 3615</td>
<td>Harlem, Haiti, and Havana</td>
</tr>
<tr>
<td>AML 3640</td>
<td>Native American Literature</td>
</tr>
<tr>
<td>AML 3643</td>
<td>Contemporary Native American Prose and Poetry</td>
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<tr>
<td>AML 3682</td>
<td>Ethnic Literature in America</td>
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<td>AML 3682H</td>
<td>Honors Ethnic Literature in America</td>
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<td>AML 4101</td>
<td>American Novel</td>
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<td>AML 4153</td>
<td>American Poetry at Mid-Century</td>
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<td>AML 4155</td>
<td>Modern American Poetry</td>
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<tr>
<td>AML 4261</td>
<td>Literature of the South</td>
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<td>AML 4265</td>
<td>Florida Writers</td>
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<td>AML 4300</td>
<td>Major American Authors</td>
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<td>AML 4304</td>
<td>Whitman and His Heirs</td>
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<tr>
<td>AML 4321</td>
<td>Modern American Literature</td>
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<td>AML 4630</td>
<td>Latino/Latina Literature</td>
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<td>ANT 3163</td>
<td>Mesoamerica Archaeology</td>
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</table>
Undergraduate Degree Requirements

1. To be classified as an upper division student at the University of Central Florida, a student must complete the following:
   1. A minimum of 60 credit hours of academic work;
   2. The English and mathematics requirements of the Gordon Rule;
   3. One year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Summer Attendance Requirement

A student entering the State University System with fewer than 60 credit hours of credit is required to enroll in a minimum of nine hours of credit in the summer at a State of Florida university. Petition forms for exemption are available from the Academic Services website http://www.academicservices.ucf.edu/summer-waiver/.

Admission to the Upper Division

To be classified as an upper division student at the University of Central Florida, a student must complete the following:

1. A minimum of 60 credit hours of academic work;
2. The English and mathematics requirements of the Gordon Rule;
3. One year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation Application Deadline

Students must complete the “Intent to Graduate” online at https://my.ucf.edu in the term preceding the one in which they intend to graduate (see the “Academic Calendar” for specific dates). Students who have not applied for graduation by the last day of classes in the term preceding the graduation term may not be listed in the Commencement Program. Graduating students must be enrolled at UCF during the term of graduation. Graduates may contact the Registrar’s Office for Commencement ceremony and guest ticket information or refer to http://commencement.ucf.edu.
Undergraduate Degree Requirements

Successful completion of the degree requirements stated in the Undergraduate Catalog under which the student plans to graduate shall constitute a recommendation of the respective college faculty that the degree be awarded, assuming the student is in good standing at the University. A student must complete all requirements for a baccalaureate or graduate degree no later than the date of the Commencement. A student may not be enrolled as a transient student in another institution during the term in which the baccalaureate degree or the Associate of Arts degree is to be awarded.

Correspondence Courses

The University of Florida’s Division of Continuing Education, Department of Independent Study by Correspondence administers all correspondence instruction for the State University System of Florida (SUS). College credit, high school credit, and continuing professional education courses are available through regular mail and Fax (several by email). Independent Study offers more than 150 courses to students who would like a flexible schedule or an opportunity to take extra classes. It is possible to enroll any time during the year.

In 1996, the State revised the General Provisions Rule 64-4.002, at the Bureau of Teacher Certification for the State of Florida. Any teacher in the state now can use credit correspondence courses, as appropriate, to apply toward the recertification of the teaching license. Moreover, there is no limit to the number of courses that may fulfill the requirements.

The current Catalog details enrollment procedures, fees, and course information. A copy may be obtained at no cost by calling or writing to: University of Florida, Independent Study, Suite D, 2209 NW 13th St., Gainesville, FL 32609; 352-392-1711, Ext. 200; Email: learn@nervm.nerdc.ufl.edu. Website: http://www.doce.ufl.edu.

Double Majors

- A student may earn one degree, a BA or BS, with two majors, by completing the requirements for both majors. If both majors are within the same college and are of the same degree type (BA or BS), both majors will be indicated on the diploma; however, if the majors are from different colleges or are of different degree types, only one major will appear on the diploma. Students earning a double major must use the same Catalog year for both majors.

Two Degrees

- A student may earn two degrees, a BA and a BS, by completing the requirements for both majors and earning a minimum of 150 credit hours.
- A student may earn two degrees, either both BA or both BS, if the degrees are earned in separate colleges and a minimum of 150 (or more) credit hours are earned.
- A student may earn two degrees, either both BA or both BS, within the same college if allowed by the particular college and a minimum of 150 (or more) credit hours are earned.
- Students earning two degrees may use different Catalog years for each degree. If different Catalog years are used, the general university requirements in the latest of the two catalogs will be applied to both degrees.

More Than Two Majors, or More Than Two Degrees, or a Combination

Students attempting multiple majors or degrees beyond two must consult with the Registrar’s Office for coordination among degree programs. Responsibility for doing so rests with the student. The stipulations for two majors and/or two degrees will apply as well as other minimum amount of hours and prohibitions about combinations.

Graduates from regionally accredited four-year U.S. institutions who apply for admission to work toward a second baccalaureate degree at UCF must meet the regular admission requirements of the major department and the UCF residency requirement of 30 additional credit hours for that degree. Students holding the baccalaureate degree from regionally accredited U.S. institutions are considered to have completed Gordon Rule, foreign languages, and General Education Program Requirements. Students who hold degrees from non-regionally accredited U.S. institutions and foreign institutions may be required by the Office of Academic Services (MH 210) to fulfill all or part of the UCF General Education Program requirements as stipulated in the UCF Undergraduate Catalog.

The University requirements specified in the preceding paragraphs are minimum requirements. Departments and colleges may require more than 150 credit hours for a second degree or more than 30 credit hours to be taken in residence at UCF. Students should confirm department, school, and college requirements with their academic advisors.
ACADEMIC DEGREES, MAJORS, AND MINORS

Associate of Arts Degree
University of Central Florida students who satisfactorily complete 60 credit hours of acceptable college work may apply for an Associate of Arts degree. University requirements include achievement of a minimum UCF GPA of 2.0, fulfillment of the General Education Program requirements, and completion of the last 20 credit hours in residence at UCF. In addition, any student who desires to receive an A.A. degree must have satisfied the Gordon Rule requirement. Students must be enrolled at UCF during the semester in which they receive the Associate of Arts degree. Students who initially enter a Florida College System institution or a State University System institution in 2014-2015 or thereafter must also demonstrate competency in a foreign language equivalent to two years of high school instruction in the same language.

The Associate of Arts degree is awarded only upon application. The application form may be obtained from http://www.academicservices.ucf.edu/AA-degree and completed by the end of the first week in the term in which the Associate of Arts degree is to be awarded. A student may not be enrolled as a transient student in another institution during the term in which the Associate of Arts degree is to be awarded. An Associate of Arts degree will not be awarded in the same term that the baccalaureate degree is to be awarded or in any term following the completion of the baccalaureate degree.

Baccalaureate Degrees
The University offers the degrees of Bachelor of Applied Science, Bachelor of Arts, Bachelor of Design, Bachelor of Fine Arts, Bachelor of Music, Bachelor of Music Education, Bachelor of Science, Bachelor of Science in Business Administration, Bachelor of Science in Education, Bachelor of Science in Engineering, Bachelor of Science in Nursing, Bachelor of Science in Social Sciences, and Bachelor of Social Work. These degrees are available in the following Colleges with majors or areas of specialization as indicated:

College of Arts and Humanities
Bachelor of Arts (B.A.)
Majors: Art, Digital Media, English, Film, French, History, Humanities and Cultural Studies, Latin American Studies, Music, Philosophy, Religion and Cultural Studies, Spanish, Theatre Studies, Writing and Rhetoric
Bachelor of Design (B.Des.)
Major: Architecture
Bachelor of Fine Arts (B.F.A.)
Majors: Art, Film, Theatre
Bachelor of Music (B.M.)
Bachelor of Music Education (B.M.E.)
Bachelor of Science (B.S.)
Majors: Photography

College of Business Administration
Bachelor of Science in Business Administration (B.S.B.A.)
Majors: Accounting, Business Economics, Finance, Integrated Business, Management, Marketing, Real Estate
Bachelor of Science (B.S.)
Major: Economics

College of Education and Human Performance
Bachelor of Science (B.S.)

College of Engineering and Computer Science
Bachelor of Science (B.S.)
Majors: Aerospace Engineering (B.S.A.E.), Civil Engineering (B.S.C.E.), Computer Engineering (B.S.Cp.E.), Computer Science (B.S.), Construction Engineering (B.S.Con.E.), Electrical Engineering (B.S.E.E.), Environmental Engineering (B.S.Env.E.), Industrial Engineering (B.S.I.E.), Information Technology (B.S.), Mechanical Engineering (B.S.M.E.)

College of Health and Public Affairs
Bachelor of Arts (B.A.)
Majors: Communication Sciences and Disorders, Criminal Justice, Legal Studies, Public Administration
Bachelor of Science (B.S.)
Majors: Athletic Training, Communication Sciences and Disorders, Criminal Justice, Health Informatics and Information Management, Health Sciences, Health Services Administration, Legal Studies, Public Administration
Bachelor of Social Work (B.S.W.)
Major: Social Work

College of Medicine
Burnett School of Biomedical Sciences
Bachelor of Science (B.S.)
Majors: Biomedical Sciences, Biotechnology, Medical Laboratory Sciences

College of Nursing
Bachelor of Science in Nursing (B.S.N.)
Major: Nursing

College of Optics and Photonics
Bachelor of Science in Photonic Science and Engineering (B.S.P.S.E.)
Major: Photonic Science and Engineering

College of Sciences
Bachelor of Arts (B.A.)
Majors: Advertising-Public Relations, Anthropology, Communication & Conflict, Human Communication, International and Global Studies, Journalism, Physics, Political Science, Radio - Television, Sociology
Bachelor of Science (B.S.)
Majors: Biology, Chemistry, Forensic Science, Mathematics, Physics, Psychology, Social Sciences, Statistics

Rosen College of Hospitality Management
Bachelor of Science (B.S.)
Majors: Entertainment Management, Event Management, Hospitality Management, Restaurant and Foodservice Management

College of Undergraduate Studies
Bachelor of Applied Science (B.A.S.)
(Regional campuses only)
Bachelor of Arts (B.A.)
Major: Interdisciplinary Studies
Bachelor of Science (B.S.)
Major: Interdisciplinary Studies
### Academic Minors by College

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<tr>
<th>College Awarding Minor</th>
<th>Name of Minor</th>
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<tr>
<td>College of Business Administration</td>
<td>Accounting, Business, Economics, Entrepreneurship, Finance, International Business, Marketing, Professional Selling, Real Estate, Sport Business Management, Technological Entrepreneurship</td>
</tr>
<tr>
<td>College of Education and Human Performance</td>
<td>Art Education, Coaching, Early Childhood Development and Education, Community Sport and Fitness, Education, English Language Arts Education, Exceptional Student Education, Fitness Training, Human Services, Mathematics Education, Science Education, Social Science Education, Technical Education and Industry Training, World Languages Education - English for Speakers of Other Languages, World Languages Education - Languages Other Than English</td>
</tr>
<tr>
<td>College of Medicine</td>
<td>Biomedical Sciences</td>
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Minors are authorized only for certification with baccalaureate degrees. Minors must be certified at the same time as the student’s baccalaureate degree. Unless a second baccalaureate degree is earned, certification will not be made at a later time even if additional courses have been completed.

A student may declare a minor up to but no later than the submission of the "Intent to Graduate Form." However, students are strongly urged to declare a minor as early as possible. Contact the student support office of the college offering the minor.

### Graduate Programs

See description at the beginning of each college section. For further information on a particular program or graduate fellowships, contact the departmental office in the respective college or see the Graduate Catalog; [http://www.graduate.ucf.edu/catalog/](http://www.graduate.ucf.edu/catalog/).
The Burnett Honors College
Dean: Alvin Wang
407-823-3449; Fax: 407-823-6583
http://www.honors.ucf.edu

Associate Dean: Martin Dupuis
Director of Budget & Personnel: Lesanne Brunswick
Director of Advising: Rex Roberts
Director of Prestigious Awards: Morgan Bauer
Director of Research and Civic Engagement: Vanessa McRae
Director of Student Services: Madi Dogariu

The Burnett Honors College combines the intimacy of a small liberal arts college with the benefits of a large, research university located in a metropolitan environment. The mission of the College is to provide UCF's most academically talented and motivated students with a challenging and unique scholarly experience, creating a strong foundation for future achievements. The College strives to create a diverse learning community that fosters the pursuit of excellence, ethical, social, and civic responsibility, personal growth, and a passion for life-long learning.

Honors classes are small, and course work crosses traditional disciplinary boundaries to encourage critical thinking. Beyond the classroom, special guest lecturers, field trips, study abroad, research opportunities, and university-related service activities expand the horizons of Honors students.

Students in TBHC are actively involved in social activities. They also have priority registration privileges and access to the Honors Reading Room, Computer Labs, Meditation Garden, and Honors Housing.

Students may pursue Honors through two distinct programs, University Honors and/or Honors in the Major.

University Honors
Admission to University Honors is granted by TBHC to qualified incoming freshmen (FTIC) on a competitive basis. Students who seek admission to University Honors must apply directly to TBHC. It is the student's responsibility to obtain the appropriate Honors College admissions information from the TBHC Office of Student Services and follow the procedures necessary to enter the program. Prospective Honors students and their families are encouraged to contact Honors staff at honors.admissions@ucf.edu if they have questions.

Qualified students who transfer to UCF with an AA Degree with Honors from a Florida College System institution that has an Honors Articulation Agreement with TBHC will be admitted into University Honors with junior standing. Further information is available from the Honors Office of Student Services at honors.admissions@ucf.edu.

Students must maintain a minimum 3.2 UCF GPA and a minimum 3.0 GPA in Honors courses to remain in University Honors. In addition to meeting the GPA requirements, to graduate with University Honors students must: 1) complete 4 Honors lower-division courses1; 2) complete the Honors Symposium2, and 3) fulfill upper-division Honors course requirements determined by college or major3.

By the end of the second week of the term in which a student plans to graduate with University Honors, the student must file a completed “Intent to Graduate with University Honors” form with TBHC. A student who completes all of the requirements for University Honors will have the designation of “University Honors” entered on the diploma and transcript. Note: No student with a “Z” designation on his/her final transcripts is eligible to graduate with University Honors.

Summary Table of University Honors Requirements
Symposium: IDH 1920H
Lower-division: 4 courses
Upper-division: 3 courses; Vary by College and Major (see below)

The current upper-division requirements are as follows:

- **College of Arts and Humanities, College of Education and Human Performance, College of Sciences, Rosen College of Hospitality Management, College of Nursing, College of Health and Public Affairs, Medical Laboratory Sciences, Economics (B.A.) and Interdisciplinary Studies majors**
  1. Complete one Honors Interdisciplinary Seminar3
  2. Complete one Honors upper-division course (3000-4000 level) or Interdisciplinary Seminar3
  3. Complete one Honors upper-division course, Interdisciplinary Seminar, or Undergraduate Honors Thesis (PR: Hon Directed Readings; see BHC 107 for information)

- **College of Business Administration (Excluding Economics B.A. majors)**
  1. Complete one Honors Interdisciplinary Seminar3
  2. Complete two Honors upper-division Business courses
    - BUL 3130H Honors Legal & Ethical Environment of Business
    - FIN 3403H Honors Business Finance
    - MAN 3025H Honors Management of Organizations
    - MAR 3023H Honors Marketing
    - Undergraduate Honors Thesis (PR: Hon Directed Readings; see BHC 107 for information)

Consult with an Honors advisor to find out when these courses are being offered.
The Burnett Honors College

College of Medicine (excluding Medical Laboratory Sciences majors)
1. Complete one Honors Interdisciplinary Seminar
2. Complete two of the following Honors upper-division courses
   - BCN 403H Honors Biochemistry
   - BSC 3403C Honors Quantitative Biological Methods
   - MCB 3020C Honors Microbiology
   - MCB 4932H Honors Group Effort Applied Research
   - PCB 3503H Honors Molecular Biology I
   - PCB 4524H Honors Molecular Biology II
   - ZOO 3733C Honors Human Anatomy
   - ZOO XXXX Honors Neurobiology
   - ZOO 4704C Honors Clinical Neuroanatomy
   - ZOO 4747C Honors Clinical Neuroscience
   Undergraduate Honors Thesis (PR: Hon Directed Readings; see BHC 107 for information)
   Consult with an Honors advisor to find out when these courses are being offered.

College of Engineering & Computer Science and College of Optics & Photonics
1. Complete one Honors Interdisciplinary Seminar
2. Complete two Honors upper-division courses
   - COP 2323H Honors Introduction to Programming with C
   - COP 3502H Honors Computer Science I
   - COP 3503C Honors Computer Science II
   - COT 3100H Honors Introduction to Discrete Structures
   - EEL 3004C Honors Electrical Networks
   - EEL XXXX Honors Networks and Systems
   - ENC 321H Honors Writing for the Technical Professional
   - EGN 3310H Honors Engineering Analysis-Statics
   - EGN 3321H Honors Engineering Analysis-Dynamics
   - EGN 3343H Honors Thermodynamics
   - EGN 3365H Honors Structure and Properties of Materials
   - MAS 3105H Honors Matrix and Linear Algebra
   - PHY 3101H Honors Physics for Engineers and Scientists III
   - STA 3032H Honors Probability and Statistics for Engineers
   Undergraduate Honors Thesis (PR: Hon Directed Readings; see BHC 107 for information)
   Consult with an Honors advisor to find out when these courses are being offered.

Acceptable Waivers
Please see The Burnett Honors College website at http://honors.ucf.edu/Students/Current_Students/Earning_Opportunities for a listing of acceptable waivers. Students should obtain waivers from the Office of Honors Advising (BHC 109) prior to their participation in the listed programs.

Notes
Students who are pursuing University Honors in two degrees must complete an additional Upper-Division course or Interdisciplinary Seminar in order to receive University Honors distinction on both diplomas.
Honors in the Major (HIM) Directed Readings courses do NOT fulfill University Honors requirements. The successful completion of Thesis I and submission of thesis can fulfill one University Honors course requirement. EGN 4931H and NUR 3165H can fulfill HIM Directed Readings.

Honors in the Major
The Honors in the Major (HIM) Program is the oldest and most prestigious undergraduate research program at UCF, and is the only undergraduate research program on campus in which students undertake original and innovative research as principle investiga-

tors. In this program, students research, write, defend and publish an original Honors thesis that serves as the capstone product of their undergraduate career. This thesis is published through the university library and is accessible to researchers worldwide through electronic databases. The Honors in the Major Handbook that details the procedures for completing this program is available online at http://research.honors.ucf.edu/honors-in-the-major.

Requirements for admission to the Honors in the Major are: completion of at least 60 credit hours of college credit including at least 12 graded upper-division hours; at least a 3.5 GPA within the major and at least a 3.2 GPA in all upper-division courses regardless of institution. Students who meet the eligibility requirements must obtain an application from the Office of Research and Civic Engagement in The Burnett Honors College. Students must also be supported by a UCF faculty member and seek approval from their Department Chair before submitting their application materials.

Honors in the Major is awarded upon completion of an advanced Honors Thesis, and completion of at least three hours of Directed Readings course work, and the completion of at least three hours of Honors Thesis. Nursing majors can take NUR 3165H in lieu of Directed Readings and will write a thesis proposal as part of their coursework. Departments or colleges may set additional requirements for Honors in the Major to be completed.

The Honors Thesis is to be completed under the direction of a committee of three faculty members, one of whom is the Thesis Chair. It is the student’s responsibility to obtain an Honors in the Major Committee Chair who will undertake the responsibility of directing the Honors Directed Readings and Thesis and, in consultation with the student, form the Honors in the Major faculty committee. The Thesis Chair and at least two committee members must be tenured or tenure-earning faculty. The student must receive a grade of at least “B” in all Honors in the Major course work to complete Honors in the Major.

The student must file an “Intent to Graduate with Honors in the Major” form with the TBHC Office of Research and Civic Engagement (ORCE) the semester before their anticipated graduation date. A student who completes all of the requirements for Honors in the Major, including maintaining at least a 3.5 GPA within the major and at least a 3.2 GPA in all upper-division courses, will have the designation of “Honors in (subject area)” noted on the diploma and the University transcript. Note: No student with a ‘Z’ designation on his/her final transcript is eligible to graduate with Honors in the Major. If you have any questions about these requirements, please contact ORCE at 407-823-6402 or honorsresearch@ucf.edu.

Burnett Research Scholars
The Burnett Research Scholars Program (BRS) is designed to help students identify and work with a faculty mentor in an area of shared interest, then to assist with the research and mentor teams and funding. In order to be a Burnett Research Scholar, students must submit a grant application and be selected to receive funding. BRS is open to all UCF students with a minimum overall GPA of 3.2. A limited number of BRS grants are competitively awarded to students and faculty for fall, spring, or summer semester research. Students seeking more information about BRS should visit http://research.honors.ucf.edu.

If you have any questions about BRS or the grants program, please contact the Office of Research and Civic Engagement in BHC 102 or by phone at 407-823-6402.

Office of Prestigious Awards
The Office of Prestigious Awards (OPA) provides all UCF students with information and advising for major national and international fellowships and scholarships. OPA serves as the UCF campus representative for all awards requiring university endorsement or nomination, including the Rhodes, Marshall, Fulbright, Goldwater, and Truman scholarships. While OPA is housed within The Burnett Honors College, it serves the entire UCF community.

OPA works closely with students throughout all stages of their application process. Because of the competitive nature of these awards, preparation is both intensive and extensive, and can begin as early as a student’s freshman year. Students who are applying for a prestigious scholarship or fellowship are encouraged to contact OPA for assistance with their applications, even if the award does not require institutional endorsement. Students seeking more information can visit http://www.opa.honors.ucf.edu or contact OPA by phone at 407-823-4019, by email at OPA@ucf.edu, or by visiting BHC 107A.
College of Arts and Humanities

Dean: TBA
CAH 190; 407-823-2251
http://www.cah.ucf.edu/

Executive Associate Dean: Lyman Brodie
CAH 190; 407-823-2251

Associate Dean: Lynn Hepner
CAH 190; 407-823-2251

Assistant Dean: Rudy McDaniel
CAH 190; 407-823-2251

Assistant Dean: Nancy Stanlick
CAH 190; 407-823-2251

Assistant Dean: Cathy Radzai
CAH 190; 407-823-2251

The College of Arts and Humanities includes the following departments: English, History, Modern Languages & Literatures, Philosophy, and Writing and Rhetoric. The College houses programs in Africana Studies, American Studies, Asian Studies, Florida Studies, Judaic Studies, Latin American Studies, Middle Eastern Studies, Russian Studies, and Women’s and Gender Studies. The college also oversees the School of Visual Arts and Design, which offers degrees in Art, Architecture, Digital Media and Film, and the School of Performing Arts, which offers degrees in Music and Theatre. In keeping with the goals of the University of Central Florida, the College is responsible for all programs in the areas of humanities and arts. The departments collectively offer more than 75 baccalaureate and graduate programs. For additional information concerning graduate programs, please refer to the current online Graduate Catalog. In addition to providing academically strong degree programs in the areas noted above, the College of Arts and Humanities offers a selection of courses that are designed to complement the programs of the other colleges of the University. These offerings include a number of courses necessary to satisfy the University’s General Education program.

A student enrolled in the College as an undergraduate must fulfill all University degree requirements including those for general education as well as the particular requirements set forth within each area of specialization. To be certified for graduation, a student must achieve at least a “C” GPA (2.0) in the courses of his or her major and/or minor. Some departments also require a minimum grade in each major course. Students are advised to consult their departmental advisor for specific policies. For programs with a foreign language graduation requirement, American Sign Language is not considered a foreign language and will not fulfill the requirement.

A student whose written or oral communication in any course is deemed unsatisfactory may be referred to the Dean’s office by the instructor. Additional coursework or an individual study program, consistent with the needs of the student, may be assigned and must be completed before the degree is granted.
Preprofessional Programs

Prelaw Program
There is no preferred major for pre-law. Law schools accept superior students with a good liberal arts background, regardless of major field. A Bachelor of Arts or Bachelor of Science degree with approximately three-fourths of the course work representing theory content is typically suggested. Majors such as English, History, Legal Studies, Philosophy, Sociology, Writing and Rhetoric, and Political Science meet this criterion. The quality of undergraduate education for the legal profession, according to the Association of American Law Schools, is grounded in three basic skills and insights: comprehension and expression in words, critical understanding of the human institutions and values with which the law deals, and the creative power of thinking. Law schools require that the Law School Admission Test (LSAT) be taken prior to consideration for admission. General information pertaining to programs of study, the LSAT, careers, and law schools can be obtained from the Pre-law Advisor.

Advisement of pre-law students will be provided in the area where a major is chosen. For example, a pre-law student who desires to emphasize the historical foundations should seek advisement in the Department of History; for emphasis in political science advisement should be sought in the Department of Political Science in the College of Sciences; emphasis in economics should be gained through advisement in Economics programs in the College of Business Administration; and emphasis in Legal Studies can be pursued in the Departments of Criminal Justice and Legal Studies in the College of Health and Public Affairs.

Advisement
College of Arts and Humanities Student Advising (CAHSA)
Director: Delia Garcia
CNH 201; 407-823-3312
Email: cahsa@ucf.edu
http://cahsa.cah.ucf.edu

CAHSA is the primary office for undergraduate academic assistance in the College of Arts and Humanities. CAHSA assists students in the College with orientation, registration, graduation certification and with the interpretation of College/University policies and procedures. Questions concerning University and College academic policies affecting College of Arts and Humanities majors should be addressed via email to cahsa@ucf.edu or to the CAHSA staff by visiting CNH 201. Questions concerning the requirements within a major should be directed to the department offering the degree. The student should contact the department early in his/her academic career and meet with his/her advisor for course planning every semester.

Program Planning
Although suggested curricula are available in most areas, students will plan their program in consultation with a faculty advisor appointed by the major department.

Area Studies Programs
Area Studies programs are multi-disciplinary programs that focus on specific regions or cultural groups. UCF has eight area studies programs with an international focus: Africana, American, Asian, Judaic, Latin American, Middle Eastern, Russian, and Women’s Studies. Although the academic home of these programs is the College of Arts and Humanities, faculty and students from across the entire university may participate in them. These programs may be elected as minors by students majoring in any discipline within the university. For more information about the programs and contact numbers of the program directors, see the list below.

Director: Lyman Brodie
CAH 190; 407-823-2251

Africana Studies - Contact: Anthony Major; 407-823-0026
American Studies - Contact: Nancy Stanlick; 407-823-2161
Asian Studies - Contact: Humberto Lopez; 407-823-2472
Judaic Studies - Contact: TBA; 407-823-5129
Latin American Studies - Contact: Consuelo Stebbins; 407-823-1173
Middle Eastern Studies - Contact: Hakan Ozoglu; 407-823-2225
Russian Studies - Contact: Vladimir Solonari; 407-823-6617; or Alla Kourova; 407-823-2472
Women’s and Gender Studies - Contact: Maria Santana; 407-823-2269

International Study Centers
Undergraduate Inter-institutional Transient Program
The State University System operates study centers in London, England and Florence, Italy during the Fall and Spring semesters. Students with 27 or more credit hours of credit and a minimum GPA of 2.5 or above in all state universities are eligible to apply for one or both semesters as inter-institutional transient students. Faculty at the centers are drawn from the nine state universities. While credits are earned through Florida State University, which administers the program on behalf of the State University System, credits are fully transferable within the System. Students at the Centers are considered to be resident in their home institutions for attendance and degree purposes.

Classes at the Florence Center emphasize art history, Italian, social sciences, and the humanities; at the London Center, theatre, business, English, history and the social sciences are emphasized. Field trips and museum visits are common to both. For further information, consult the Office of International Studies at 407-882-2300.

Programs, Tracks, and Degrees

Title | Degree |
--- | --- |
Africana Studies | Minor |
American Studies | Minor |
Architecture | BA, BFA, Minor, MFA |
Art | BA, MA, Minor |
Asian Studies | Minor |
Cinema Studies (Film) | Minor |
Community Arts - PAVE | Minor |
Dance | Minor |
Digital Humanities | Minor |
Digital Media | BA, MA, Minor |
Diplomacy | Minor |
English | BA, MA, Minor, MFA |
Film | BFA, MFA |
Florida Studies | Minor |
French | BA, MA, Minor |
Gender Studies | Certificate |
History | BA, MA, Accelerated MA, Minor |
Humanities and Cultural Studies | BA, Minor |
Italian | Minor |
Judaic Studies | Certificate, Minor |
Latin American Studies | Minor |
Middle Eastern Studies | Minor |
Music | BA, BM, MA, Minor |
Music Education | BME |
Performing Arts Administration | Minor |
Philosophy | BA, Minor, Certificate |
Photography | BS |
Pre-Law in the Humanities | Minor |
Religion and Cultural Studies | BA, Minor |
Russian Studies | Minor |
Spanish | BA, MA, Minor |
Spanish for Health Professionals | Certificate |
Spanish for the Legal World | Certificate |
Teaching English as a Foreign Language (TEFL) | Certificate |
Teaching ESL | MA |
Theatre | BA, BFA, MA, MFA, Minor |
Translation and Interpretation | Certificate |
Women’s and Gender Studies | Minor |
Writing and Rhetoric | BA, Minor, Certificate |

Departments and Programs

Africana Studies: Program
Program Director: Anthony Major
CNH 110; 407-823-0026
http://africana.cah.ucf.edu/

The College of Arts and Humanities offers a minor in Africana Studies, which gives students the opportunity to explore the African Diaspora experience from a multi-disciplinary perspective. It is dedicated to developing knowledge and expertise of the Africana Diaspora, including Africa, North America, Central and South America, the Caribbean, Europe and beyond. The minor incorporates courses from many different disciplines including Music, Fine Arts, History, English, Latin American Studies, Political Science, Psychology, Sociology,
Minors:
American Studies

Degrees: None
Tracks: None
Minors: Africana Studies

American Studies: Program
Contact: Nancy Stanlick
CAH 190; 407-823-2161

The College of Arts and Humanities offers a minor in American Studies. This program requires students to select relevant electives from Literature, Humanities, Social Sciences and History.

Degrees: None
Tracks: None
Minors: American Studies

Asian Studies: Program
Contact: Humberto Lopez
CNH523; 407-823-2472

An interdisciplinary minor designed to enhance multicultural education by offering students both an overview of Asian civilization and a detailed study of its most significant features. The focus of the program is on India, China, and Japan. Course work will include upper-level classes from the curricula of participating programs (Anthropology, Art History, Economics, English, Modern Languages, History, Humanities, Philosophy, Political Science).

Degrees: None
Tracks: None
Minors: Asian Studies

Community Arts—PAVE: Program
Program Director: Byron Clercx
VAB 117; 407-823-3145

A minor in Community Arts—Partners in Art in Visual Education (PAVE) is offered for students who are majoring in Art, Music, Theatre, or English.

Degrees: None
Tracks: None
Minors: Community Arts

Department of English
Chair: Trey Philpotts
CNH 405; 407-823-5596
Email: english@ucf.edu
http://www.english.cah.ucf.edu/

Faculty: Angley, Applen, Bartkevicius, Beck, Campbell, Casnierz-Paz, Cato, Dombrowski, Flammia, Glasshoff, Gleyzon, Grajeda, Hasanat, Hohenleitner, Hubbard, Jardaneh, A. Jones, D. Jones, Kamrath, Lillios, Logan, Mauer, Meehan, Moody, Morton, Murphy, Neal, Nwakanma, Oliver, Philpotts, Poissant, Pugh, Rodriguez-Milanes, Roney, Rushin, Schell, Stap, Stephens, Telep, Thaxton, Trouard, Utitch, Young; Professors Emeriti: Adicks, Barnes, Omans, Schiffrhorst

The Department of English is responsible for the effective teaching of language and literature in English, including World Literature, Linguistics, rhetoric, and creative, expository, and technical writing. Students may concentrate in creative writing, technical communication, or literature. The Department serves the broad needs of the University with course offerings in writing and literature for students from other departments. The department has a Technical Documentation Writing Lab and also publishes The Florida Review, The Cypress Dome, and The Faulkner Journal. An Honors in English program provides an enriched course of study for exceptional students, leading to graduation with honors. Program description follows concentration in degree plans.

Degrees: English (BA, MA), Creative Writing (MFA)
Tracks: Literature, Creative Writing, Technical Communication
Minors: Creative Writing, Digital Humanities, Florida Studies, Literature, Linguistics, Medieval/Renaissance, Technical Communication

Latin American Studies: Program
Program Director: Consuelo Stebbins
CNH 122; 407-823-1173
Email: latinamerica@ucf.edu
http://las.cah.ucf.edu/

The Latin American Studies BA and Minor provide students with an interdisciplinary knowledge of and the necessary tools to understand Latin America, the Caribbean, and Latinos in the United States. Students completing the minor will be prepared to apply their knowledge on the areas covered by the minor in a variety of careers including, but not limited to education, government, journalism, foreign

Judaic Studies: Program
Program Director: TBA
CNH 415 E-J; 407-823-5039 or 823-5129
Email: judaicst@ucf.edu
http://www.judaicstudies.cah.ucf.edu/

Faculty: Hanson, Pelli

The Interdisciplinary Program in Judaic Studies offers both a Minor and a Certificate. The program offers instruction, conducts research, and disseminates knowledge in the civilization of the Jewish people from Biblical times to the present day in the major dimensions of its creativity: literature, language, religion, philosophy, law, and social, political and economic organization. Because the roots of western culture and civilization and major world religions lie in ancient Jewish thought and practice as manifested in the Hebrew Bible and subsequent writings, Judaic Studies form an essential component of the university’s curricula.

The program enables students to acquire a foundation of knowledge of Jewish history, the Hebrew language, Jewish philosophy, culture, religious beliefs, and political aspirations; and to understand the contribution of Judaism to western civilization. The courses highlight major aspects of Jewish civilization, focusing on its interaction with other cultures and on the bodies of human knowledge upon which it draws. The program is designed to serve students pursuing careers in general or Jewish education, in communal works and Middle-Eastern affairs, in languages, humanities, or liberal arts, in the ministry or rabbinate, and in the community at large.

Degrees: None
Tracks: None
Minors: Judaic Studies
Certificates: Judaic Studies

Department of History
Chair: TBA
CNH 551B; 407-823-2225
Email: history@ucf.edu
http://history.cah.ucf.edu/

Faculty: Adams, Beiler, Cassanello, Clark, Dandrow, Darty, Farless, Fernandez, Foster, French, Gannon, Gordon, Larson, Lester, Lyons, Martinez-Fernandez, Murphy, Nair, O’Shea, Ozogul, Pineda, Sacher, Solonari, Walker, Walters, Zhang; Faculty Emeriti: Colbourn, Crepeau, Leckie-Reed, Pauley, Shofner

History is the study of the past. Its objective is to understand the past, and through the past, to understand the present. The discipline of history is more than 2,500 years old and remains a vital body of knowledge in the 21st century.

Students who are interested in becoming a lawyer should seriously consider a major in history as a foundation for law school. Law is a historical phenomenon and part of the political, social, and economic processes that have contributed to the success of the United States. An understanding of history lends great insight to the function of, and motives behind, the legal system. In addition, a careful study of history will enable the student to become effective in oral and written communication while developing intellectual skills in critical thought and analysis, both of which are invaluable to the study of law.

The Department participates in the programs in Women’s Studies, American Studies, Africana Studies, Asian Studies, Digital Humanities, Florida Studies, Judaic Studies, Middle Eastern Studies, and Latin American, Caribbean and Latino Studies.

Degrees: History (BA, MA, Accelerated MA)
Tracks: None
Minors: Diplomacy, Florida Studies, History, Middle Eastern Studies, Pre-Law in the Humanities, Russian Studies
College of Arts and Humanities

service, social and community service, international trade, and public relations.

Degrees: Latin American Studies (BA)
Tracks: None
Minors: Latin American Studies

Middle Eastern Studies: Program
Program Director: Hakan Ozoglu
CNH 551; 407-823-2225
Email: hakan@ucf.edu
Advisory Board Co-Chairs: John C. Bersia; Janan Smither
http://middleeasternstudies.cah.ucf.edu/

An interdisciplinary minor designed to offer students both an overview of Middle Eastern civilization and a detailed study of its most important features. The focus of the program is on the religious, political, historical and social forces shaping the region. Course work will include classes from the curricula of participating programs (Modern Languages, History, Humanities, Judaic Studies, Philosophy, and Political Science).

Degrees: None
Tracks: None
Minors: Middle Eastern Studies

Department of Modern Languages and Literatures
Chair: Geri Smith
CNH 523; 407-823-2472
Email: filacult@ucf.edu
http://mll.caah.ucf.edu/


The Department provides instruction in Arabic, Chinese, French, Italian, Japanese, Portuguese, Russian, and Spanish, with majors in French, and Spanish. These programs are designed to meet the needs of students who desire competency in a language and expanded understanding of a foreign culture and literature. Students desiring to major in a foreign language must meet all the requirements for graduation as set forth by the University, the College of Arts and Humanities, and by the Department of Modern Languages and Literatures.

Degrees: French (BA), Spanish (BA, MA), TESOL (MA)
Tracks: None
Minors: Asian Studies, French, Italian, Russian Studies, Spanish Certificates: Spanish for Health Professionals, Spanish for the Legal World, TESOL, Translation

Department of Philosophy
Chair: Michael Strawser
PSY 220; 407-823-2273
Email: philosophy2@ucf.edu
http://www.philosophy.cah.ucf.edu/

Faculty: Beever, Cash, DiBernardo, Evans, Favela, Flore, Garbayo, Gleig, Janz, Jones, Kuang, Mundale, Park, Ravela, Schippert, Shrubsole, Stanlick, Strawser, Viaz; Faculty Emeriti: Congdon, Flick, Kassim

The Department of Philosophy offers a Philosophy major, a Religion and Cultural Studies major, and a Humanities and Cultural Studies major, as well as minors in Philosophy, Humanities and Cultural Studies, Religion and Cultural Studies, and Cognitive Sciences. The Department requires all majors to receive advisement prior to registering each semester. Majors should schedule appointments with their departmental advisor. For any course used to satisfy a requirement (including electives) of the Philosophy major, the Humanities major, and Religious Studies, a grade of “C” or better must have been received.

Degrees: Philosophy (BA), Religion and Cultural Studies (BA), Humanities and Cultural Studies (BA)
Tracks: None
Minors: Cognitive Sciences; Humanities and Cultural Studies; Philosophy; Religion and Cultural Studies

Department of Writing and Rhetoric
Interim Chair: Stephanie Vie
CNH 307I; 407-823-2295
Email: writingandrhetoric@ucf.edu
http://writingandrhetoric.cah.ucf.edu/

Faculty: Barnickel, Bowdon, Brenckle, Bryan, Calkins, Cavanagh, Ethridge, Galbreath, Gomrad, Guenzel, Hall, Henken, Hepner, Holic, Ives, Jones, Kyle, Laurnier, Martin, Owens, Pinkert, Pompos, Richardson, Ringfield, Rozen, Rounsaville, Scott, Stack, Stewart, Taylor, Tripp, Vie, Walls, Weaver, Wheeler, Wright, Zemiansky

The Department of Writing and Rhetoric oversees the First-Year Composition Program and offers certificate and degree programs for the focused study of writing and rhetoric, including professional digital and civic writing, the teaching of writing, and the history and theory of rhetoric, composition, and literacy. Courses in our two undergraduate and two graduate programs emphasize, in particular, writing as civic engagement and writing with technologies. The department’s primary mission is to promote sustained writing opportunities across the university, the foundation for which we provide in first-year composition but which we also achieve through the efforts of the University Writing Center and Writing Across the Curriculum Program. The department celebrates student writing in Stylus, a journal for first-year writing, and the annual Knights Write Showcase.

Degrees: Rhetoric and Composition (MA), Writing and Rhetoric (BA)
Tracks: None
Minors: Writing and Rhetoric, Certificates: Public and Professional Writing, Professional Writing (Graduate certificate)

School of Performing Arts
Director: Jeffrey Moore

Music:
Program Director: Joelle M203; 407-823-2869; Fax: 407-823-3378
Email: ucfmusic@ucf.edu
http://www.music.cah.ucf.edu/


The Music unit offers a Bachelor of Music degree with options in performance, jazz studies, and composition; a Bachelor of Arts Degree in music; and a Bachelor of Music Education Degree with specializations in instrumental, choral and elementary school music. The Music Education programs are approved by the Florida State Department of Education. Students who desire to be certified to teach in elementary and secondary schools should major in Music Education. Courses leading to teacher certification are offered cooperatively with the College of Education and Human Performance. The Music Department is fully accredited by the National Association of Schools of Music. Music organizations on campus include Pi Kappa Lambda, Phi Mu Alpha, Sigma Alpha Iota, Tau Beta Sigma, Kappa Kappa Psi, Sigma Chapters of MENC and ACDA, and Music Student Advisory Council.

Degrees: Music (BA, MA), Music Education (BME), Music Performance (BM)
Tracks: Music Performance, Composition, Jazz Studies
Minors: Music, Performing Arts Administration

Theatre:
Program Director: PAC T210A; 407-823-2862
Email: theatre@ucf.edu
http://www.theatre.cah.ucf.edu/

Faculty: Boyd, Brotherston, Brown, Chicurel, Heil, Helsingor, Horn, Ingram, Lartonoix, Listengarten, Lynch, McDonald, Niess, Reed, Rusnock, Scott, Shafer, Siegfried, Snyder, St. Claire, Tan, Thomas, Tollefsen, Weaver, Wood; Professor Emeritus: Seay, Smith

The Theatre unit seeks to develop theatre artists of the highest quality by providing a select number of students with the training, education, and experiences necessary for the successful pursuit of professional careers in theatre arts and the entertainment industries. In support of this mission and the liberal arts goals of the College of Arts and Humanities, the department seeks to provide its students with the
knowledge and skills necessary to live full, rewarding and productive lives. Offering undergraduate Bachelor of Arts and the Bachelor of Fine Arts degrees, as well as graduate Masters of Arts and Master of Fine Arts degrees, the Department of Theatre undertakes to develop and graduate theatre artists who are sensitive, aware human beings. Through its public performance programs, the department endeavors to serve as a cultural resource for the University, the community and the Central Florida region. Striving to provide its students with a competitive edge, the department employs a faculty and staff of artists/teachers who work intensely with students in the classroom and in production. To supplement this education and training, professional guest artists are brought to the campus to work in production and in the classroom. Before graduation, BFA students are required to complete a professional theatre internship and MFA students are required to complete a professional residency, thus providing them with a unique and invaluable introduction to the real world of professional theatre. Internships are optional for BA students. In all its endeavors, the Department of Theatre strives to create and maintain a professional environment necessary for the continued growth and development of its students, faculty, and staff.

**Degrees:** Theatre (BA, BFA, MA, MFA)

**Tracks:** BFA, Musical Theatre; MFA, Acting, Theatre for Young Audiences

**Minors:** Dance, Theatre

**School of Visual Arts and Design**

**Director:** Byron Clercx

VAB 117; 407-823-2676

Email: ssvadvising@ucf.edu

http://svad.cah.ucf.edu/

**Faculty:** Abbas, Abraham, Adams, Ahearn, Burrell, Buysseens, Cabrera, Clercx, Colon-Mendoza, Cooper, Croft, Danker, Davilla, Dierdorff, Dom-browski, Fanfarelli, Gaudenek, Gerstein, Grula, Hadrika, Hall, Haran, Harris, Hughes, Ingle, Jones, Kim, Kovach, Leitch, Lotz, Major, McDaniel, Mills, Mosher, Nolan, Novatnak, Perez, Peters, Peterson, Pointdexter, Price, Rainmundi-Ortiz, Reedy, Rivers, Salter, Sandler, Santana, Shbeebe, Shults, Singh, E. Smith, P. Smith, Spencer, Stoeckl, Sung, Theen, Tikhonova, Underberg-Goode, Watson, Wyatt, Zahor; Professor Emeriti: Francis, Frederick, Moshell

The School of Visual Arts and Design (SVAD) is a combination of the Art, Architecture, Digital Media, and Film programs. Topics covered by SVAD degrees include traditional studio arts, design, and art history; emerging media concepts that are the foundation of animation, game and interactive design; and film programs that develop a student’s creative voice, appreciation and understanding of the medium. Art degrees offer studies in traditional forms of painting, drawing, photography, and ceramics and supply core skills necessary to pursue professional careers in both emerging media and the fine arts. Film degrees explore entrepreneurial filmmaking and the use of new production and distribution technology, as well as film theory, criticism, and history. This curriculum prepares the student for work in the industry or for graduate study. Digital Media degrees explore creative expression through digital media platforms such as video games and the World Wide Web, interactive design and programming, narrative techniques for digital storytelling, and new media business models. Students acquire a highly marketable body of knowledge leading to solid careers in industry or in creative research.

**Degrees:** Architecture (BD), Art (BA, BFA), Digital Media (BA, MA), Emerging Media (MFA), Film (BA, BFA, MFA), Photography (BS)

**Tracks:** Art History, Cinema Studies, Emerging Media, Game Design, Studio Art, Visual Arts and Emerging Media Management, Web Design

**Minors:** Art History, Community Arts – PAVE, Digital Media, Film-Cinema-Studies, Studio Art

**Women’s and Gender Studies: Program**

**Program Director:** M.C. Santana

CNH 122; 407-823-6502

Email: womens@ucf.edu

http://wgst.cah.ucf.edu/

**Faculty:** Bubriski, Preston-Sidler, Santana

The Women’s and Gender Studies program offers an interdisciplinary minor and a certificate in Women’s and Gender Studies in cooperation with several departments, programs, and schools. The program examines women’s roles in and contributions to past and present societies, and provides practical and theoretical knowledge about women’s and gender issues.

**Degrees:** BA (Interdisciplinary Studies)

**Tracks:** Women’s Studies Track in Interdisciplinary Studies

**Minors:** Women’s and Gender Studies

**Certificate:** Gender Studies

**Program Academic Learning Compacts** (student learning outcomes) for undergraduate programs in the College of Arts and Humanities are located at: http://oeas.ucf.edu/academiclearningcompacts.html
College of Business Administration

Dean: Paul Jarley
BA1 230; 407-823-2181
http://business.ucf.edu

Associate Dean: Foard Jones
BA1 230; 407-823-2181

Associate Dean: E. Taylor Ellis
BA2 302-J; 407-823-2187

Assistant Dean: Darrell Johnson
BA2 101; 407-823-3493

Vision
#UCFBusiness will continue the transformation into a next-generation business school through the development of a unique college culture; one that promotes engagement, risk-taking, cross-disciplinary collaboration and data-driven decision making.

Moving Forward
While core business curriculum remains unchanged, the world of business is constantly changing, as is the way students learn and receive information.

The foundation of the College of Business Administration’s mission and vision are to strengthen the college, the university, and ultimately, the Central Florida community. This is achieved by focusing on critical factors in higher education: students, faculty, programs and facilities. As such, the college aspires to:

- Offer the benefits of a large, metropolitan research university while providing individual attention and maintaining a sense of community for our students and faculty.
- Create a state-of-the-art educational facility that cultivates a learning environment, promoting collaboration, engagement, risk taking and data-driven decision making.
- Provide increased opportunities for student engagement and one-on-one learning.
- Cultivate an ecosystem that develops entrepreneurs from all backgrounds and skill sets.
- Raise the academic profile of the college by recruiting research faculty in key disciplines and by incorporating top industry executives into the curriculum.

The college will elevate the career prospects of students as well as the perceptions of graduates in the community, by ensuring students are career-ready upon graduation by providing experiential learning and developmental feedback. In addition, the college strongly encourages students to explore possible careers through mentoring, summer employment and job shadowing.

All undergraduate and graduate programs are accredited by the Association to Advance Collegiate Schools of Business International (AACSB).

Pre-Major
Admission to the University of Central Florida does not equate to admission to the College of Business Administration (CBA). The CBA is a selective admission college. Students must qualify to be admitted into the college and therefore all students enter the university as a ‘pre’ business major. This applies regardless of the specific business major a student intends to pursue. As a ‘pre’ major, students will:

1. Complete the General Education Program
2. Complete the Gordon Rule requirements
3. Complete the Business Common Program Prerequisites (CPP) with a grade of C or better. The CPP classes are:
   - MAC 1105: College Algebra
   - ACG 2021: Financial Accounting
   - ACG 2071: Managerial Accounting
   - ECO 2013: Macroeconomics
   - ECO 2023: Microeconomics
   - ECO 3401: Quantitative Business Tools I, or STA 2023 Statistics and MAC 2233 Concepts of Calculus
   - CGS 2100: Computer Fundamentals for Business
4. Complete the Primary Business Core at UCF or an AACSB accredited institution. The Primary Business Core classes are:
   - MAN 3025: Management of Organizations
   - MAR 3023: Marketing
   - FIN 3403: Finance
   - ECO 3411: Quantitative Business Tools II
   - ACG 3173: Accounting for Decision Makers
   Or if pre-accounting ACG 3131 Intermediate Accounting I
5. Complete GEB 3003: Career Research and Planning
The Business Common Program Prerequisites are required curriculum for all students within the Florida State University system pursuing a BSBA degree.

The Primary Business Core classes are the heart of the business world. As such they provide students with the basics to be successful in any business endeavor. It is important that students strive to thoroughly learn the material in this coursework as academic performance in the Primary Business Core is used to meet admission to the major standards.

The GEB 3003 Career Research and Planning course is designed to help students align their major and career interest. In this course students take self-assessments to identify career-related skills and interests. Based on their results, students perform research to identify and learn about a target career, target company(ies), and target entry-level jobs.

All of the above requirements (numbers 1-5) must be completed before beginning any Business Major.

How to Select Your Major

Now you are ready to select a business major based upon your interests and skills identified in the GEB 3003 class, and your experiences in all of the Primary Business Core classes.

Due to the highly specialized nature of the revised Accounting, Finance, Management, and Marketing majors, interested candidates must show mastery of the subject matter in all aspects of the Primary Business Core, as demonstrated by a 3.0 GPA in the five classes. Additionally, a grade of at least a B “3.0” is required in the introductory course of your desired major and a minimum grade of C “2.0” is required in all Primary Core courses. Upon admission into the Accounting, Finance, Management, and Marketing majors, students must maintain a minimum 2.75 GPA in the Major and a minimum 2.0 GPA in the College to successfully complete the degree.

Admission to the Economics, Integrated Business, and Real Estate majors requires completion of the five Primary Business Core classes with a minimum GPA of 2.0, and a minimum grade of C “2.0” in the introductory course of the desired major. Upon admission into the Economics, Integrated Business, and Real Estate majors, students must maintain a minimum 2.0 GPA in the Major and College to successfully complete the degree. For more information on these requirements, visit: http://business.ucf.edu/undergraduate-programs/.

After receiving admission to a major, students will complete major coursework, the Secondary Business Core and the remaining three courses in the Professional Development Sequence.

1. The Secondary Business Core: These courses are designed to ensure that you have a solid understanding of the various functions of business and the environment in which the enterprise operates. The Secondary Business Core culminates with our "Great Case Competition" which is part of our Strategic Management Course (MAN 4720) and has become a signature experience for all business students:
   a. GEB 3375: Introduction to International Business (3 credit hours)
   b. BUL 3130: The Legal and Ethical Environments of Business (3 credit hours)
   c. MAR 3203: Supply Chain Management (3 credit hours)
   d. MAN 4720: Strategic Management/Capstone (3 credit hours)

2. The Professional Development Sequence: Students must also complete the professional development sequence that began with GEB 3003. The goal of the Professional Development curriculum is that students will research potential career opportunities and take steps to secure employment prior to graduation.
   a. GEB 3005 Career Search Strategies
   b. GEB 4223 Business Interviewing Techniques
   c. GEB 4004 Executing Your Career Plan

Student Load

A student who is enrolled in 15 – 16 credit hours of course work is considered to be carrying a normal academic load. Per University policy, students may take a maximum of 17 credit hours in the Fall and Spring terms, and 14 credit hours in the Summer term.

Admission to the Economics, Integrated Business, and Real Estate majors, students must maintain a minimum 2.0 GPA in the Major and College to successfully complete the degree.

Upon admission into the Accounting, Finance, Management, and Marketing majors, students must show mastery of the subject matter in all aspects of the Primary Business Core, as demonstrated by a 3.0 GPA in the five classes. Additionally, a grade of at least a B “3.0” is required in the introductory course of the desired major and a minimum grade of C “2.0” or better will satisfy all prerequisite course requirements for all business and accounting degree programs and will ensure that a student will receive further consideration for admission to the Primary Core Classes.

1. Admission requirements can and do vary among the business and accounting programs at the ten universities comprising the State University System. To ensure that they have met all prerequisite course eligibility requirements, transfer students from Florida’s community and State colleges should complete the following common program prerequisites as part of their Associate of Arts degree: ACG 2021 (or ACG 2001 and ACG 2011), ACG 2071, ECO 2013, ECO 2023, MAC 2233, STA 2203, (or QMB 2100) and CGS 2100. At UCF, students who have completed MAC 2233 and STA 2023 will be waived from ECO 3401 Business Quantitative Tools I. Students who have completed either MAC 2233 or STA 2023, but not both, must take ECO 3401. Completion of these courses with a minimum grade of C “2.0” or higher will satisfy all prerequisite course requirements for all business and accounting degree programs and will ensure that a student will receive further consideration for admission to the Primary Core Classes.

2. Subject to the general grade and residency requirements, credit will be granted for transferred course work equivalent to that required in UCF’s Business program. Only grades of “C” (2.0) or higher transfer into the program.

3. It is expected that all incoming transfer students, regardless of intended business major, will upon admission to the university have successfully completed the General Education Program and the Business Common Program prerequisites. Transfer students will attend an orientation session that will provide information regarding university and college policy, program requirements, and college culture.

4. Courses taken at Florida College System institutions do not substitute for upper division courses.

5. Courses transferred must be formally evaluated for equivalency credit. General Education coursework is evaluated for equivalency by Academic Services, while the Business Common Program Prerequisites and all business coursework is evaluated for equivalency by the College. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.

6. The Business Primary Core courses must be taken at UCF or an AASCB accredited institution. Additionally, professional courses, in the areas of Accounting, Economics, Management, Marketing, Real Estate, or Finance, should not be taken at a community/junior college. These professional areas are third and fourth year course areas in the College of Business Administration and cannot be satisfied with community/state college courses.

7. A minimum of 12 credit hours must be completed at UCF within each individual major and a minimum of 30 hours of upper level courses within the UCF College of Business.

Advisement

Office of Professional Development
Assistant Dean: Darrell Johnson
BA2101; 407-823-3493

The Office of Professional Development (OPD) is the primary office for undergraduate assistance in Academic and Career Counseling in the College of Business Administration. Any questions concerning University and College academic policies affecting Business majors should be directed to the Office of Professional Development staff in BA2 101 or by calling 407-823-2185. Visit OPD’s home page at: http://business.ucf.edu/centers-institutes/office-of-professional-development/.

Programs and Degrees

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Community/Junior College Transfer Notes

87 Undergraduate Catalog 2016-2017
Departments and Programs
Kenneth G. Dixon School of Accounting

Director: G. Trompeter
BA1 325D; 407-823-2871
Assistant Chair: J. Reinking
BA1 430; 407-823-4874
Assistant to Director: M. Hampton
BA1 326; 407-823-5678

Faculty: Allen, Arnold, Baudot, Demek, Dennis, Durham, Goldwater, Guerra-Pujol, Hampton, Hornik, Johnson, Kellihier, Poziemski, Reinking, Robb, Roberts, Rosenthal, Rouh, Smith, Sutton, Tian, Trompeter, Wallace, York

Mission Statement
The mission of the Kenneth G. Dixon School of Accounting is to develop and deliver strong undergraduate and graduate programs, support and produce nationally and internationally relevant accounting research, and engage meaningfully with the academic and practitioner accounting communities.

Distinctive Benefits
- Strong industry ties allowing for unique opportunities for placement and advancement.
- A competitive internship program that places graduate students in positions with major employers in the community.
- The opportunity to enroll in outstanding graduate programs in accounting and taxation.
- A very strong faculty known for their teaching and research excellence.
- Numerous scholarships available to advanced students.
- Active student organizations including the Student Accounting Society and Beta Alpha Psi.
- A faculty committed to the continuous improvement of our accounting programs.
- Outstanding pass rates on the CPA exam.

Degrees: Accounting (BSBA, MSA, Ph.D.)

Minors: Accounting (for Finance majors only)

Department of Economics
Chair: W. Milton
BA2 305-D; 407-823-3266;
Email: economics@ucf.edu

Faculty: Alpanda, Ayusun, Braun, Caputo, Das, Dickie, Gibbs, Guldi, Hoffer, Milton, Paarsch, Schmidbauer, Scrogin, Soskin, Underwood

Faculty Advisors:
David Scrogin
BA2 302U, 407-823-4129, Email: david.sscrogins@ucf.edu;
M. Caputo
BA2 302Q, 407-823-1405
N. Underwood
BA2 302N, 407-823-1403

Economic issues are prominent in business and government decision-making. Inflation, employment, health care, economic growth, pollution, poverty, and international economic relations are a few important economic issues. The primary strength of Economics is that it provides a logical, ordered way of analyzing a wide variety of problems. Undergraduate education in Economics equips individuals to understand and seek solutions to problems in business, public policy, and other areas.

The Department of Economics participates in two undergraduate degree programs: a BSBA degree and a BS degree. The purpose of the BSBA Economics Program is to provide students with a professional business background that prepares them for careers in private business and government. The purpose of the economics BS Program is to provide a broad-based liberal education that can serve as a strong foundation for further graduate studies in law, social sciences, and other fields or as training for careers in politics, teaching, research, social service, and other areas. Both programs enable students to better understand the economic and non-economic issues that are confronted in their jobs and their private lives and provide the analytical skills that will allow solve problems.

Distinctive Benefits
- Opportunity for strong quantitative and analytical training.
- Excellent preparation for law school and graduate school admission.
- Strong preparation for high-paying careers.
- Flexible Curriculum: Students tailor the program to their individual interests through a large selection of electives.
- Interdisciplinary Linkages: Economics provides a solid foundation to link with many other disciplines allowing for a double major in Finance, Real Estate, Mathematics and Political Science.
- Teaching quality: Many of the Economics faculty have received Excellence in Teaching Awards.
- Student Organizations: The Economics Club is an active student organization linking students to Alumni.

Degrees: Business Economics (BSBA), Economics (BS)

Minors: Economics

Department of Finance and Dr. P. Phillips School of Real Estate
Chair and Director: A. Singh
BA1 427; 407-823-5756
Assistant Chair: P. Gregg
BA1 409; 407-823-3575

Faculty: Ajayi, Borde, Byrd, Chen, Choi, Curcio, Frye, Gatchev, Gregg, Harris, Harrison, Lu, Oh, Ramanalal, Resch, Singh, Strum, Turnbull, Whyte, Zhang

The program in finance is designed to provide the student with broad knowledge in finance, including corporate finance, investments (fixed income and equity securities), financial institutions, international finance, risk management, and derivatives. The real estate degree includes real estate law, commercial and residential real estate finance, and real estate development.

Distinctive Benefits
- Finance students prepare for career opportunities in corporate finance, banking (commercial, investment and mortgage), investment management, financial planning, multinational business, insurance and government.
- Real estate students prepare for careers in commercial or residential real estate development and finance, or banking related to the real estate industry.
- Students who major in finance or real estate are sought by both financial and non-financial firms.

Degrees: Finance (BSBA), Real Estate (BSBA)

Minors: International Business, Real Estate, Finance

Certificates: Banking, Investments, Corporate Finance, Land Development, Commercial and Institutional Real Estate, Residential Real Estate

Department of Management
Chair: Stephen Goodman
BA 309; 407-823-5569

Faculty: Ambrose, Becker, Bennett, Blencke, Boettcher, Cleavenger, Combs, Crosseley, Dagher, De George, Folger, Ford, Goodman, Harris, Jarley, Jones, Joseph, Kutkut, McKenny, Nichols, O’Donnell, O’Neal, Pape, Piccolo, Porter, Quinn, Rockmore, Saunders, Schminke, Taylor, Wang, Whiting

Tomorrow’s managers must be prepared to meet the challenges of a highly dynamic and rapidly changing business environment. The objective of the Management program is to prepare students for the excitement and opportunities that this presents. To learn about management, students study the processes and techniques of leadership, planning, controlling and staffing of both small and large organizations.

The curriculum is designed to develop the expertise of all students in a common core of essential management skills and competencies, including human and organizational behavior, teamwork and collaboration, negotiation and conflict resolution, and leadership development. With the proper selection of restricted elective courses available for Management majors, students can gain additional concentration in the area of human resource management, or in the area of entrepreneurship. Students who do not wish to concentrate in these areas can use those restricted electives to gain additional breadth of coverage in a variety of Management topics.

The department’s goal is to emphasize the expertise, knowledge, and skills necessary to be not only a team player, but ideally a team leader. Regardless of a student’s focus, the curriculum will sharpen that student’s skills in problem identification, analysis, and solution. This major can lead to a variety of rewarding careers in management positions throughout the organization. Possible career paths include, but are not limited to, positions in training and development, person-
nel and employee relations, equal opportunity and labor relations, recruiting and staffing, organizational development, operations, quality assurance, project management. For students interested in starting their own business or working for smaller fast growing organizations, the department’s entrepreneurship offerings will develop the skills needed for that career path.

**Distinctive Benefits**
- Excellent faculty, known for their creativity and enthusiasm in the classroom, and their commitment to students in and out of the classroom.
- A broad-based training that will open up opportunities in high-growth career areas.
- Internships that provide real-world experience and enhanced job opportunities.
- A “hands-on,” applied focus in our courses.

**Degrees:** Management (BSBA), Human Resources Management (MS)
**Minors:** Entrepreneurship, Technological Entrepreneurship
**Certificate:** Entrepreneurship

**Department of Marketing**

*Chair:* Ronald E. Michaels  
BA2 307; 407-823-2108  
http://www.bus.ucf.edu/marketing/

*Faculty:* Bhardwaj, Desiraju, Gundy, He, Jami, Joshi, Krishnamoorthy, Leon, Liu, Mao, Massiah, Michaels, Quaintance, Steiger, Stock, Wang, Zemack-Rugar

The marketing major provides a superior education in foundation areas such as research, consumer behavior, professional selling, marketing management, and strategy. Our curriculum focuses on building skills in communication, teamwork, critical thinking, analysis, and strategic thinking. Among the things you will learn are how to conduct sales calls, analyze sales and profit reports, prepare marketing plans, and construct marketing strategies. Students interested in majoring in marketing have two options: the marketing management track or the professional selling track. The marketing management track provides students with the knowledge and skills necessary to excel in entry-level positions in marketing management, product/brand management, and positions in retail management, sales, market research, and advertising/promotion. The professional selling track prepares students for positions in business-to-business, with the potential to advance into either sales management or marketing management. The curriculum is delivered by highly-talented faculty members and offers you a superior educational experience while at UCF.

The department’s highest visibility offering is the professional selling program (track within the major). Admission to this renowned program is competitive; application and interview are required. Scholarships for this program are available and awarded on a competitive basis. Please see our department website for more details.

A minor in marketing requires 18 hours. This course of study provides a strong basic education in marketing for UCF students with majors other than marketing. Earning a minor in marketing can add significant value and career flexibility for any UCF student with any major. Marketing internships are available (application necessary) and there are several vibrant marketing-related student organizations in which you can participate.

**Distinctive Benefits**
- Innovative curriculum for marketing majors and minors.
- Renowned Professional Selling Program is offered within the marketing major; application required.
- An 18-hour marketing minor is available for students with majors other than marketing.
- Twenty dynamic faculty members are among the strongest teachers in the College.
- Comprehensive course offerings are available each semester and summer—-you can finish!
- Strong emphasis on preparing students for careers in marketing management.
- Approximately 15 scholarships are awarded annually on a competitive basis.
- Opportunities to participate in internships and honors in the major programs.
- Opportunities to participate in student chapters of the Society for Marketing Professional Services, the Ad Club, and the Sales Club

**Degrees:** Marketing (BSBA)
**Tracks:** Marketing Management, Professional Selling
**Minor:** Marketing, Professional Selling

**Integrated Business Program**

*Director:* J. Gilkeson  
BA2 222; 407-823-0390

*Faculty:* Baz, Buhagiar, Connell, Ellis, Gilkeson, Henry, Leo, Mayfield-Garcia, Tamberelli, Valdez, Viggiano

The mission of the Integrated Business degree program is to provide a high quality, hands-on business education for UCF students that emphasizes soft-skills development, has a content focus on small and medium size, privately held businesses, and develops well-rounded multi-disciplinarians who will thrive in an environment that requires them to take on multiple roles and responsibilities for their employer.

**Distinctive Benefits**
- Unique program found only at UCF.
- Use of the flipped classroom approach in all course work.
- Emphasis on soft skills development, including business ethics, critical thinking, decision making, leadership, negotiations, oral presentation professionalism, teamwork, technology, and written communication.
- Taught face-to-face on main campus and four regional campuses (Valencia West, Sanford-Lake Mary, Osceola, and Brevard)—avoid expensive, time consuming commutes!
- Focus on the small and medium size, privately held firms who hire 40% of UCF’s business graduates.
- Integrated Business Faculty members have decades of real world work and business ownership experience.
- Opportunities to participate in internships, student competitions, and student organizations.

**Degrees:** Integrated Business (BSBA)

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Business Administration are located at: http://oeas.ucf.edu/academiclearningcompacts.html
College of Education and Human Performance

Dean: Pamela S. Carroll
ED 308; 407-823-5529
http://education.ucf.edu

Interim Associate Dean for Graduate Affairs:
Rose Taylor, 407-823-2016

Assistant Dean for Administrative and Financial Affairs:
Allison Jefferson, 407-823-0329

Interim Executive Director for Research:
J. Thomas Owens, 407-823-0385

The role of the College of Education and Human Performance at the undergraduate level is to provide a high-quality education for teacher candidates in preparation for careers in early childhood, elementary, secondary/K-12, technical education and industry training and students in sport and exercise science professions. The College of Education and Human Performance is dedicated to preparing professional educators as reflective practitioners who meet the needs of our schools and society. UCF’s College of Education and Human Performance is the leading source of education baccalaureate degrees in the State of Florida.

Art Education
Early Childhood Development and Education
Elementary Education
English Language Arts Education
Mathematics Education
Science Education
Social Science Education
Sport and Exercise Science
Technical Education and Industry Training
World Languages Education

Success to Significance

- Among America’s Best Colleges of Education
- Invited to join the Carnegie Corporation of New York – Teachers for a New Era
- State program approval and National Accreditation
- Proven and promising practices
- Partnerships with seventeen Central Florida school districts, including the Florida Virtual School
- High quality teacher education programs
- Leadership in reform efforts
- Strength of faculty and students
- Broad influence in higher education community
- Access to cutting edge educational technologies, such as TeachLive
- Opportunities to become involved in professional education organizations
- State-of-the-art facilities
- UCF Teaching Academy
- Toni Jennings Exceptional Education Institute
- Morgridge International Reading Center
- Lockheed Martin Academy for Mathematics and Science
- Supporting Teacher Education Pre-Professionals (STEP) Programs
- Living, Learning Communities
- Teacher Education Assistance for College and Higher Education (TEACH) Grants
- Minority Teacher Recruitment and Retention Program
- Early and continuous field experiences
- Internships with highly qualified teachers
- Infusion of multicultural education, ESOL and technology throughout classes
- Florida Marriage and Family Research Institute
- ESOL Endorsement and Reading Endorsement included with selected teacher preparation programs
- Graduates from state approved initial teacher preparation programs are eligible for professional teacher certification
- Transition to Mathematics and Science Teaching Program (T-MAST)
- Institute of Exercise Performance and Wellness
- Ph.D. in Exercise Physiology ranked 6th in the nation by the National Academy of Kinesiology
- Undergraduate research opportunities
Admission to the College of Education and Human Performance

Admission to the College will be granted when students meet the following requirements:
- Complete the University General Education requirements or an equivalent (i.e., an AA degree from an approved Florida College System institution or state university).
- Have a minimum 2.5 overall GPA; a minimum 2.75 overall GPA is required for Early Childhood Development and Education.
- Pass all four parts of the General Knowledge Test (GKT). It is highly recommended students take and pass the GKT in the Spring Semester of their Sophomore year. All teacher preparation programs require the GKT.
- Complete the Education and Human Performance Common Program Prerequisites for their major.
- Complete State University Foreign Language Admission requirement: 2 years in high school or 1 year in college of the same foreign language or American Sign Language.
- Complete Gordon Rule Requirement.
- Complete a change of major request to move from education pending to the intended education major upon successful completion of admission requirements.

Transfer Notes:
Courses transferred from other institutions must be evaluated for equivalency credit. The student must provide all supporting information. Students transferring from a Florida College System institution are required to pay careful attention to the General Education and Program Prerequisites sections of their intended major. Students are responsible for all ESOL assignments for UCF ESOL-infused courses that may be transferred from other institutions.

New students will:
1. Be classified as education pending until admission requirements are met and a change of major request has been submitted.
2. Meet college advising representatives in a group setting during Orientation:
   a. Discuss College of Education and Human Performance admission requirements needed for enrollment in upper division education classes
   b. Review degree program requirements
   c. Understand expectations and responsibilities associated with a career in education
3. Be advised by the College of Education and Human Performance Undergraduate Advising office (ED 110) if their major is Elementary Education or Education Pending. Advising sessions may be scheduled by calling 407-823-3723.
4. Be assigned to an academic advisor in the area of their major upon completion of College of Education and Human Performance admission requirements. The advisor's name and email address appear in myUCF to assist students in making an advising appointment.
5. Purchase and utilize LiveText software at the beginning of the first semester of enrollment in the College of Education and Human Performance based on program requirements.

Continuing students will:
1. Set up an appointment with their academic advisor upon acceptance to their major, or the Undergraduate Advising office if a "Pending" major, to review academic progress and to develop an academic plan. Review this plan each term with an advisor prior to registration;
2. View their Degree Audits through myUCF;
3. Register at scheduled appointment times in myUCF. Students must complete any changes to their schedules by the end of the published Add/Drop period;
4. Utilize LiveText software based upon program requirements; and
5. File an on-line "Intent to Graduate Form" by the end of the term prior to the term in which graduation is intended.

Office of Undergraduate Affairs and Partnerships
ED 110, 407-823-3723
http://education.ucf.edu

Located in the Education Complex in Suite 110, the Office of Undergraduate Affairs and Partnerships comprises Undergraduate Affairs, Undergraduate Advising, Recruitment & Retention, Clinical Experiences, and the UCF School & Community Partnership.

Mission Statement
The mission of Undergraduate Affairs and Partnerships is to promote student development and success through collaboration with College of Education and Human Performance faculty, staff, administrators and partners.

Clinical Experiences
Assistant Director: Jodie Nichols
ED 110, 407-823-2518
http://www.education.ucf.edu/clinicalex/

Clinical experiences provide students with a broad range of instructional opportunities in various school settings developed through cooperative planning with local school district administrators and teachers. Clinical experiences are an integral part of education programs and consist of early site-based experiences, as well as internships. Placement of students is the responsibility of the College of Education and Human Performance’s Office of Clinical Experiences. Students must complete internship experiences in one of the College of Education and Human Performance’s local partnership districts.

Students must be aware that criminal records may prevent placement in internship and/or employment in districts. Each school district follows state guidelines for fingerprinting and some districts have additional requirements.

All applications for internships are accessed at the Clinical Experiences website and are approved by the Office of Clinical Experiences. Once applications are approved by the Office of Clinical Experiences, students must register themselves for the internship course and corequisites (if applicable).

Application deadlines for all internships are:
- February 15 for Fall semester
- September 15 for Spring semester

Internship I
Internship I is a three semester hour experience. Students are assigned to work with state-defined, qualified supervising teachers. Students are enrolled in additional courses during the experience, assigned to work with state-defined, qualified supervising teachers. Internship I experience is completed locally and is arranged by the Office of Clinical Experiences.

Admission to Internship I
Admission to Internship I will be granted to students who have been admitted to the College of Education and Human Performance and who meet the following additional requirements at the time of application:
- Pass all four parts of the General Knowledge Test.
- Possess minimum professional preparation GPA of 2.5.
- Achieve a “C-” (1.75) or better in all prerequisite methods/specialization courses. However, a minimum overall GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
- Complete a formal application for Internship I online by the published deadlines.
- Meet any special departmental or program requirements
- Be recommended by the faculty of the department of the student's major.

NOTE: Passing scores on all sections [General Knowledge Test, Professional, and Subject Area] of the Florida Teacher Certification Examination (FTCE) is required prior to entry into Internship II.
Internship II

Internship II is considered a full-time experience. Students are permitted to enroll in other classes only with the consent of their academic program. Internship II is a 9-12 semester hour experience (depending on the program) normally completed during the student’s last semester.

Admission to Internship II

Admission to Internship II will be granted when students have met the following requirements at the time of application:

- Successful completion of Internship I
- Have on file passing scores on all sections of the Florida Teacher Certification Examination (General Knowledge Test, Professional and Subject Area)
- Possess a minimum overall GPA of 2.5
- Possess minimum professional preparation GPA of 2.5
- Possess minimum specialization GPA of 2.5
- Achieve a “C-” (1.75) or better in all professional methods/specialization courses. A minimum overall GPA of 2.5 is required in addition to a minimum 2.5 GPA in the professional preparation and specialization areas.
- Complete a formal application for Internship II by the published deadline
- Be recommended by the faculty of the department of the student’s major
- Meet any special departmental or program requirements

The Internship II experience is completed locally and is arranged by the Office of Clinical Experiences in schools and districts where there are available placements.

*Some programs may specify a different GPA requirement for admission.

Recruitment and Retention Program

Coordinator: Caroline Pratt Marrett
ED 110; 407-823-4409
http://education.ucf.edu/mtrrp/

Minority Teacher Recruitment and Retention Program (MTRRP)

The Minority Teacher Recruitment and Retention Program (MTRRP) is designed to recruit and retain diverse students as they prepare for a teaching career in education. MTRRP provides future educators with financial assistance, academic support, and professional development. Each student admitted into the program is paired with a faculty/staff mentor in the college.

Program Objectives

- Recruit and retain diverse students interested in joining the teaching profession
- Promote academic excellence and foster professional development
- Provide service learning opportunities
- Encourage community engagement

Scholarship Requirements

Students must meet the following criteria:

- Eligible groups: African-American/Black, Asian-American/Pacific Islander, Hispanic, or American Indian/Alaskan Native
- Be a Florida resident
- Be admitted into the UCF College of Education and Human Performance as a degree-seeking undergraduate student
- Minimum semester and overall grade point average of 2.5
- Must be enrolled full-time
- Submit Scholarship Application by the deadline
- Complete 20 hours of community service for each semester the scholarship is received

Application deadlines:

- July 1 for Fall semester
- November 15 for Spring semester

Undergraduate Advising

Director: Undergraduate Affairs: Andrea Small
ED 110; 407-823-3725

The Undergraduate Advising office assists students with orientation, registration information, general academic advisement, college and university academic requirements and graduation certification. Students are encouraged to make an early appointment with an academic advisor. All students are encouraged to meet with an academic advisor each semester for schedule planning and to discuss progress toward degree completion. Academic advising is provided by walk-in appointments and advising sessions. Information regarding majors offered by the College of Education and Human Performance can be obtained in the Office of Undergraduate Affairs and Partnerships or at registration.ucf.edu. Admission to the University of Central Florida does not imply admission to the College of Education and Human Performance. Students will be allowed to enroll in 3000/4000 level courses taught by the College of Education and Human Performance after they have been admitted to the College.

Graduation Requirements

To qualify for graduation, a student must successfully complete all coursework to include a minimum overall GPA of 2.5 (2.75 for Early Childhood Development and Education majors), a minimum 2.5 GPA in all specialization courses, and a minimum 2.5 GPA in professional preparation courses. In addition, students in state-approved initial teacher preparation programs must pass all applicable sections of the Florida Teacher Certification Exam (FTCE) and complete a portfolio according to program guidelines.

Note: Effective January 1, 2015, only FTCE examination results earned by educators within 10 years prior to the date of application for a new Florida Educator’s Certificate with the Florida Department of Education may be acceptable for certification eligibility requirements (SBE Rule 6A-4.002).

Professional Development School Consortium

The Professional Development School Consortium is a network of the university and local schools, and is based on the National Association for Professional Development School standards. National, award-winning PDS school efforts demonstrate impact on pre-service and in-service initiatives.

Department of Child, Family, and Community Sciences

Chair: Glenn Lambie
ED 209-E; 407-823-6106
Faculty/Academic Administrator: Brenda Thompson
ED 206-E; 407-823-6579


The Department of Child, Family, and Community Sciences (CFCS) offers both undergraduate and graduate programs related to careers in school settings and community agencies. The programs offered include: Career and Technical Education; Counselor Education & School Psychology; Early Childhood Development and Education; Exceptional Student Education; and Higher Education & Policy Studies.

See individual program websites and the graduate catalog for additional details. You can start by going to the department’s website: http://education.ucf.edu/cfcs.

Department of Educational and Human Sciences

Chair: Jay R. Hoffman
ED 209-B; 407-823-2595
Coordinator II: Linda Alexander
http://education.ucf.edu/academics_departments.cfm#Department of Educational and Human Sciences


The Department of Educational and Human Sciences (EHS) offers courses and programs to prepare students in areas of Instructional Design & Technology; Research, Measurement & Evaluation; as well as Sport & Exercise Science. The EHS Department has one bachelor’s level program: Sport and Exercise Science. Students majoring in Sport and Exercise Science B.S. can select one of the following areas: Coaching or Human Performance. The Department also offers a number of graduate programs and provides graduate courses in educational research, measurement and statistics, Instructional Design and Technology and Sport and Exercise Science. The Sport and Exercise Science program also offers a Ph.D. in Exercise Physiology.
College of Education and Human Performance

School of Teaching, Learning and Leadership

Director: Michael Hynes
ED 209-D; 407-823-1768
http://education.ucf.edu/academics_departments.cfm#School of Teaching, Learning, and Leadership

Faculty Administrator /Academic Coordinators:
Lindsay Archambault
ED 206-F; 407-823-2881
Maria Cox
ED 206-D; 407-823-1763
Melissa Feyer
ED 209-F; 407-823-0303
Elizabeth Hoffman
ED 220J, 407-823-4833


The School of Teaching, Learning and Leadership prepares candidates to work in a variety of school and community settings, in the areas of Elementary Education, Secondary Education and Educational Leadership. The Elementary Education program has a track designed for prospective teachers interested in working with students in formal K-6 schools that require certification (Education Track) and another track for students interested in working outside of formal K-6 schools that do not require certification (Lifelong Learning Track). Upon completion of the Elementary Education – Education Track, candidates are eligible for Florida teacher certification, including ESOL and Reading Endorsements. Secondary Education programs are designed for prospective teachers interested in working with students in a specific content area, either in formal 6-12 schools that require certification (Education Track) or outside formal K-12 schools that do not require certification (Lifelong Learning Track). Preparation includes special training in Biology, Chemistry, English (with ESOL Endorsement), Mathematics, Physics, or Social Science Education. Programs are available in K-12 areas, such as Art Education, Reading Education, and World Language Education (Spanish). The Educational Leadership master’s programs provide the theoretical and conceptual knowledge base required for the principalship in Florida and other states. Ed.S. and Ed.D. students have advanced academic and practical experiences preparing them for leadership roles at the school district level, including the superintendenc.

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Education and Human Performance are located at:
http://oeas.ucf.edu/academiclearningcompacts.html
Undergraduate Majors and Degrees

Aerospace Engineering (BAE)
Civil Engineering (BSCE)
Computer Engineering (BSpE)
Computer Science (BS)
Construction Engineering (BSCoE)
Electrical Engineering (BSEE)
Environmental Engineering (BSVE)
Industrial Engineering (BSIE)
Information Technology (BS)
Mechanical Engineering (BSME)

Accelerated BS/MS Degree Program

All of the Engineering and Computer Science departments except for the Department of Civil, Environmental, and Construction Engineering and the Information Technology Program are offering an Accelerated BS/MS degree program which will allow students of high academic standing to complete an MS degree at an accelerated pace. The generic rule for students in this program is that they will be allowed to use up to twelve hours of selected 5000 and 6000 level courses with a grade of "B" or higher toward fulfillment of both the BS and MS degree requirements. Interested individuals should see the program descriptions in the graduate and undergraduate catalogs. They may also contact the department Undergraduate Coordinator and/or Graduate Coordinator if they have any further questions.

College Mission Statement

Our Mission is to provide high-quality, broad-based education and experience-based learning in engineering and computer science; to create knowledge through pioneering scholarship and impactful research; to enrich our students' development and leadership skills; and to address pressing local, state, national, and international issues in support of the global community.

Our college is able to attract students who are remarkably bright and talented. They come to our college to learn and become the technological leaders of tomorrow. Our Engineering and Computer Science faculty are some of the best and brightest that one can find anywhere. They share with our students the excitement of discovery and creative research as they teach the problem solving and leadership skills that prepare our students to be productive members of society.

College Organization

The College of Engineering and Computer Science is organized into two major divisions: the Engineering and Computer Science Division and the Reserve Officer Training Corps (ROTC) Division. The Engineering and Computer Science Division is comprised of six engineering departments: the Civil, Environmental, and Construction Engineering (CECE) Department, the Computer Science (CS) Department, the Electrical and Computer Engineering (ECE) Department, the Industrial Engineering and Management Systems (IEMS) Department, Material Sciences and Engineering (MSE) Department, and the Mechanical and Aerospace Engineering (MAE) Department. The ROTC Division is made up of the Aerospace Studies Department (Air Force ROTC) and the Military Science Department (Army ROTC).

All departments of the Engineering and Computer Science Division offer advanced studies leading to master's degrees and the Doctor of Philosophy degree; see the Graduate catalog for further information on these graduate programs. The undergraduate engineering programs in Aerospace Engineering, Civil Engineering, Computer Engineering, Construction Engineering, Electrical Engineering, Environmental Engineering, Industrial Engineering, and Mechanical Engineering are accredited by the Engineering Accreditation Commission of ABET, http://www.abet.org. The Computer Science and Information Technology programs are accredited by the Computing Accreditation Commission of ABET, http://www.computeraccredit.org. The College houses the ROTC Division for those students desiring to pursue military training while earning their degree. The Air Force ROTC program offers a minor in Aerospace Studies, and the Army ROTC program offers a minor in Military Science.
The Honors Program in the College of Engineering and Computer Science

The engineering and computer science leaders of tomorrow must not only have impeccable technical credentials, but must also be able to provide strong leadership within the general community in which they live. With this in mind, the Honors Program in the College of Engineering and Computer Science offers outstanding undergraduate engineering and computer science majors an enriched educational, technical, professional, and cultural experience that significantly augments the basic curricula. Honors students comprise academically superior students who commit, upon acceptance into the program, to do broad as well as advanced work in a chosen area.

The objective of the Honors Program is to provide exceptional students with an opportunity to express their creativity and problem-solving abilities through challenging coursework and participation in research projects. In addition, the program exposes students to a wide variety of issues dealing with the role of engineers and computer scientists and the impact of the profession on society. Honors students also participate in several programmed activities, such as lectures by distinguished scholars, engineers, and public figures, as well as visits to local and regional industries and to governmental and military research facilities.

There are two programs available to eligible CECS students: 1) the University Honors Program (see the section on the University Honors Program found in The Burnett Honors College section of this catalog); and 2) the Honors in the Major Program (HIM).

The Honors in the Major Program

The College of Engineering and Computer Science Honors in the Major program is designed for two types of students: 1) Highly qualified students who did not participate in the University Honors Program and who desire to have the experience of an Honors curriculum, and 2) University Honors program students who desire to continue the Honors curriculum beyond what the University Honors Program offers.

The centerpiece of the Honors in the Major program is the opportunity to undertake independent research as an undergraduate under the guidance of a faculty member in his/her major. The Honors in the Major represents a total of six credit hours of work. These credit hours are acceptable as technical electives by all programs. These six credit hours consist of an Honors in the Major Seminar titled Research Methods in Engineering (EGN 4931), plus three credit hours of Undergraduate Honors Thesis (EGN 4970H).

The latter will result in an undergraduate thesis which will describe the research done by the student. The student will defend his/her thesis before a committee of faculty in the field as part of an oral examination covering the honors work. A sponsoring faculty member is required to supervise the undergraduate thesis.

In order to be admitted to the Honors in the Major program, the student must:
1. Have at least 60 credit hours, including at least 12 graded, upper division credit hours at UCF.
2. A minimum UCF GPA of at least 3.20 in all upper division courses.
3. A minimum GPA of 3.50 or more in the Engineering option courses.
4. A recommendation by a sponsoring faculty member. Exceptions to the eligibility criteria may be made by the College Honors Committee in individual cases, upon recommendation by a sponsoring faculty member.

To successfully complete the HIM program and receive said designation, the student must successfully defend the thesis and graduate with a minimum 3.5 GPA in the option courses, and minimum 3.2 GPA at UCF. No exceptions to this policy will be made for graduation. Successful candidates will be awarded an Honors in Engineering-Computer Science mention on the diploma and transcript, representing satisfactory completion of the program.

Application for admission to the Honors in the Major Program must be obtained from the Office of Research and Civic Engagement in the Burnett Honors College. Students in the College of Engineering and Computer Science must consult Dr. Charles Reilly, Engineering 1, Room 107. For more information about the Burnett Honors College programs, please visit their homepage at http://www.honors.ucf.edu.

The LEAD Scholars Program in the College of Engineering and Computer Science

Engineering and computer science students may also participate in the LEAD (Leadership, Excellence and Academic Development) Scholars Program (see the section on the LEAD Scholar Program found elsewhere in this catalog).

Additional Information on UCF Baccalaureate Engineering and Computer Science Programs

Information on each UCF engineering, computer science, and information technology program follows, and more current information on the departments can be found on the College home page at http://www.cecs.ucf.edu, and on the home pages of each department. For the home page associated with a particular program, see the listing for that department on the following pages of this catalog.

The Civil, Environmental, and Construction Engineering Department (CECE) offers baccalaureate degrees in Civil Engineering (BSCE), Environmental Engineering (BSEnvE), and Construction Engineering (BSCoEnE).

The Civil Engineering Program

The Civil Engineering major is concerned primarily with fundamental civil engineering design and analysis in such areas as structures, geotechnical engineering, sanitary engineering, water resources, and transportation engineering. Civil Engineering students are required to take a Project Design and Capstone Course, which synthesizes various pre-requisite course offerings into a design project. These projects are usually "open-ended" and duplicate real world engineering problems. The students typically work in small design team groups. The prerequisites needed for the various project courses vary.

Mission

The Civil Engineering Program Faculty strive to create a high quality learning experience for our students. The principal goals include:
1. Provide a broad engineering education to our graduates that will prepare them for both current and future professional challenges.
2. Promote a commitment to continued scholarship and service among our graduates.
3. Foster a spirit of innovation so that our graduates are positioned to take advantage of new technology in our profession.
4. Promote an environment that is inclusive and diverse.
5. To attain prominence in key areas of Civil Engineering graduate education and research.

Program Educational Objectives

Within the first several years following graduation, graduates should:
- Be successfully employed or employable in civil engineering practice in areas such as structural, geotechnical, transportation, construction, water resources, or related fields and/or be continuously enhancing their studies at the graduate level.
- Show a commitment to ethical practice and professional development by extending their knowledge through continuing education and self-directed life-long learning, professional licensure, and service to the profession and society.

Student Outcomes
a. An ability to apply knowledge of mathematics, science, and engineering.
b. An ability to design and conduct experiments, as well as to analyze and interpret data.
c. An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.
d. An ability to function on multidisciplinary teams.
The Construction Engineering Program
The Construction Engineering Program is concerned primarily with the interactions between humans and their environment and the planning, design, and control of systems for environmental quality management for water, land, and air environments.

Environmental Engineering students are required to take a Project Design and Capstone Course which synthesize various pre-requisite course offerings into a design project. These projects are usually "open-ended" and duplicate real world engineering problems. The students typically work in small design team groups. The pre-requisites needed for the various project courses vary.

Mission
The Environmental Engineering Program Faculty strive to create a high quality learning experience for our students. The principal goals include:
1. Provide a broad engineering education to our graduates that will prepare them for both current and future professional challenges.
2. Promote a commitment to continued scholarship and service among our graduates.
3. Foster a spirit of innovation so that our graduates are positioned to take advantage of new technology in our profession.
4. Promote an environment that is inclusive and diverse.
5. To attain prominence in key areas of Environmental Engineering graduate education and research.

Program Educational Objectives
Within the first several years following graduation, graduates should:
- Be successfully employed or employable in environmental engineering practice in areas such as solid waste, air pollution, water and wastewater treatment, water resources, or related fields or be continuing their studies at the graduate level.
- Show a commitment to ethical practice and professional development by extending their knowledge through continuing education and self-directed lifelong learning, professional licensure, and service to the profession and society.

Student Outcomes
- An ability to apply knowledge of mathematics, science, and engineering.
- An ability to design and conduct experiments, as well as to analyze and interpret data.
- An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.
- An ability to function on multidisciplinary teams.
- An ability to identify, formulate, and solve engineering problems.
- An understanding of professional and ethical responsibility.
- An ability to communicate effectively.
- The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context.
- A recognition of the need for, and an ability to engage in lifelong learning.
- A knowledge of contemporary issues.
- An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.

The Construction Engineering Program
The Construction Engineering major is concerned with preparing students for the engineering management of construction projects by developing skills for the selection of construction methods and processes, construction project planning and control, and resource management. Construction Engineering students are required to take a Project Design and Capstone Course which synthesize various pre-requisite course offerings into a design project. These projects are usually "open-ended" and duplicate real world engineering problems. The students typically work in small design team groups. The pre-requisites needed for the various project courses vary.

Mission
The Construction Engineering Program Faculty strives to create a high quality learning experience for our students. The principal goals include:
1. Provide a broad engineering education to our graduates that will prepare them for both current and future professional challenges.
2. Promote a commitment to continued scholarship and service among our graduates.
3. Foster a spirit of innovation so that our graduates are positioned to take advantage of new technology in our profession.
4. Promote an environment that is inclusive and diverse.
5. To attain prominence in key areas of Construction Engineering graduate education and research.

Program Educational Objectives
Within the first several years following graduation, graduates should:
- Be successfully employed or employable in construction engineering practice in areas such as estimating, scheduling, program development, and construction project management, or related fields and/or be continuing their studies at the graduate level.
- Show a commitment to ethical practice and professional development by extending their knowledge through continuing education and self-directed lifelong learning, professional licensure, and service to the profession and society.

Student Outcomes
- An ability to apply knowledge of mathematics, science, and engineering.
- An ability to design and conduct experiments, as well as to analyze and interpret data.
- An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.
- An ability to function on multidisciplinary teams.
- An ability to identify, formulate, and solve engineering problems.
- An understanding of professional and ethical responsibility.
- An ability to communicate effectively.
- The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context.
- A recognition of the need for, and an ability to engage in lifelong learning.
- A knowledge of contemporary issues.
- An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.
Civil Engineering Major Pursuing Environmental Engineering Additional Degree

Students will need to complete a minimum of 150 credit hours which will include the 24 additional hours to earn a Bachelor of Science Environmental Engineering degree in addition to the Bachelor of Science Civil Engineering degree. The additional courses are: A Bio-logical Science (3hrs), CHM 206C (3hrs), CHM 204L (1hr), ENV 4120 (3hrs), ENV 4341 (3hrs), EES 4202C (4hrs), EES 4111C (4hrs), and an Environmental Design course (3hrs). Students will have completed an Earth Science as part of the GEP requirements and CHM 2045C, EGN 3343, CWR 4xxx (Hydrology) or CWR 4xxx (Hydrogeology), ENV 4531, and ENV 4561 as part of Civil Engineering requirements.

Civil Engineering Major Pursuing Construction Engineering Additional Degree

Students will need to complete a minimum of 150 credit hours which will include the 19 additional hours to earn a Bachelor of Science Construction Engineering degree in addition to the Bachelor of Science Civil Engineering degree. The additional courses are: CCE 4004 (3hrs), CCE 4034 (3hrs), CCE 4402 (3hrs), CCE 4810C (3hrs), CCE 4813 (4hrs), and ACG 2071 (3hrs).

Environmental Engineering Major Pursuing Civil Engineering Additional Degree

Students will need to complete a minimum of 150 credit hours which will include the 21 additional hours to earn a Bachelor of Science Civil Engineering degree in addition to the Bachelor of Science Environmental Engineering degree. The additional courses are: CGN 3xxx (3hrs), CGN 3501C (3hrs), CGN 3700C (2hrs), TTE 3810 (3hrs), CES 4100C (4hrs), DEP Area Courses (6hrs), and a Civil Design course (3hrs). Students will have completed EGN 3343, CWR 4xxx (Hydrology) or CWR 4xxx (Hydrogeology), ENV 4531, and ENV 4561 as part of the Environmental Engineering requirements.

Department of Computer Science

Chair: Gary T. Leavens
HEC 437D; 407-823-5373
http://www.cs.ucf.edu


The Computer Science Program

The Computer Science program offers courses and programs leading to Bachelor of Science, Master of Science (see online Graduate Catalog), and Doctor of Philosophy (see online Graduate Catalog) degrees in Computer Science. In addition to the bachelor's degree programs, the division offers minors in Computer Science, Information Technology, and Secure Computing and Networks.

The goal of the CS degree program is to educate students to become effective team members and leaders, to have excellent communicative and technical skills, and to prepare them for successful professional careers and advanced research. The program strives to these goals by producing graduates with a broad base of formal course work. Students may use restricted elective credit to concentrate their degree in one of many research areas, including artificial intelligence, bioinformatics and systems biology, computer architecture, computer graphics, computer security, computer vision, database systems, design and analysis of algorithms, distributed and cloud computing, evolvable computing, graph theory, human-computer interaction, image and video processing, machine learning, mixed and virtual reality, multi-agent systems, networking and mobile computing, neural networks, operating systems, parallel computation, software engineering, theory of computing, quantum computing, and virtual reality.

Research facilities are organized around laboratories directed by faculty members. Facilities in these laboratories are generally funded through external research grants, supplemented by grant matching and startup funds. To learn about the current status of research facilities and projects, visit faculty web pages. These may be found by following links from the Computer Science home page at http://www.cs.ucf.edu/.
College of Engineering and Computer Science

Program Educational Objectives
The objectives of the Information Technology Program at UCF are that:

1. Graduates demonstrate the technical competence necessary for careers in Information Technology as well as in a wide variety of disciplines that integrate information technology into their respective fields of activity.
2. Graduates demonstrate communication skills, teamwork capabilities, and leadership abilities necessary for a successful professional career.
3. Graduates participate in life-long learning activities appropriate to their profession, including graduate study, professional training, and involvement in professional societies.

Student Outcomes
By graduation each student should be able to:

a. Apply knowledge of computing and mathematics appropriate to the discipline.
b. Analyze a problem, and identify and define the computing requirements appropriate to its solution.
c. Design, implement, and evaluate a computer-based system, process, component, or program to meet desired needs.
d. Function effectively on teams to accomplish a common goal.
e. Understand professional, ethical, legal, security and social issues and responsibilities.
f. Communicate effectively with a range of audiences.
g. Analyze the local and global impact of computing on individuals, organizations, and society.
h. Recognize the need for and an ability to engage in continuing professional development.
i. Use current techniques, skills, and tools necessary for computing practice.
j. Use and apply current technical concepts and practices in the core information technologies.
k. Identify and analyze user needs and take them into account in the selection, creation, evaluation and administration of computer-based systems.
l. Integrate IT-based solutions effectively into the user environment.
m. Understand best practices and standards and their application.
n. Assist in the creation of an effective project plan.

Department of Computer Science Policies and Procedures
The Department’s website (http://www.cs.ucf.edu) is a central point from which visitors may view current policies and procedures of our programs. In particular, links from this page provide up-to-date answers to frequently asked questions (FAQ’s) concerning academic advisement, student professional societies, undergraduate research opportunities, and means to effectively communicate concerns (comments, suggestions, complaints). We ask that you visit this site and follow its guidelines before you send email and letters, or make phone calls to faculty members and administrators.

Department of Electrical and Computer Engineering
Chair: Zhihua Qu
HEC 439C; 407-823-5942

Faculty: Abdolvand, Abichar, Alia, Batarseh, Behal, Chan, DeMara, Edison, Elashhab, Fahim, Fan, Georgiopoulos, Gong, Haralambous, Jin, Jones, Kim, Lin, Liou, Malocha, Mikhail, Qu, Raahavard, Sirmaan, Suboh, Sun, Sundaram, Vosoughi, Wahid, Wang, Weeks, Wei, T. Wu, Yuan, Zhou

The Electrical and Computer Engineering Department offers baccalaureate degrees in both Electrical Engineering (BSEE) and Computer Engineering (BSCpE). Graduate degrees leading to the Master of Science in Electrical Engineering (M.S.E.E.), Master of Science in Computer Engineering (M.S.CpE), and Doctor of Philosophy (Ph.D.) are also offered (see online Graduate Catalog).

The curriculum provides an integrated experience including humanities and social sciences, mathematics and basic sciences, engineering core, computing, and design experience. The laboratory experiences appropriately combine theory and practice in the Electrical and Computer Engineering programs through a logical progression of courses. Design experiences start with the first circuits course, EEL 3004C, and progress to the senior design capstone courses. This senior design experience is a two-semester sequence totaling six credit hours. Aspects of engineering economics, administration, oral presentation, professional issues such as ethics, safety and environmental impact are also covered in the design courses. The design projects required in the design course sequence address real-life problems, and the students work in a team setting. Also, several projects are developed jointly with our industrial partners.

The Computer Engineering Program
The Computer Engineering program contains a minimum of 63 credit hours of design experience, which includes courses listed as Embedded Systems and Computer Architecture (EEL 4742C and EEL 4768), Computer Science I (COP 3502C) and Digital Systems (EEE 3342C). Technical electives can give additional design experiences in specialty areas such as computer architecture, intelligent systems, networking, software engineering, and simulation systems.

Mission
The mission of the UCF Computer Engineering Program is to develop and disseminate the theory and methods for the design, analysis, implementation, and improvement of computer hardware, software, and systems.

Program Educational Objectives
The objectives of the CpE Program at UCF are that:

1. Graduates will establish a successful employment position with increasing responsibilities in the areas of computer engineering.
2. Graduates will pursue advanced studies in the areas of computer engineering.
3. Graduates demonstrate the pursuit of life-long learning in their areas of interest, including membership in professional societies, and participating in training opportunities.

Student Outcomes
Graduates of the Computer Engineering program should attain:

a. An ability to apply knowledge of mathematics, science, and engineering.
b. An ability to design and conduct experiments, as well as to analyze and interpret data.
c. An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.
d. An ability to function on multidisciplinary teams.
e. An ability to identify, formulate, and solve engineering problems.
f. An understanding of professional and ethical responsibility.
g. An ability to communicate effectively.
h. The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context.
i. A recognition of the need for, and an ability to engage in life-long learning.
j. A knowledge of contemporary issues.
k. An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.

The Electrical Engineering Program
The Electrical Engineering program contains a minimum of 63 credit hours of design experience. This is achieved through such courses as Linear Control Systems (EEL 3657), Electronics I and II (EEE 3307C and EEE 4309C), Digital Signal Processing (EEL 4750), Analog and Digital Communication Fundamentals (EEL 3552C), Embedded Systems (EEL 4742C), Networks and Systems (EEE 3342C), and Digital Systems (EEE 3342C). Technical electives can give additional design experience leading to work in communications, controls, image and signal processing, microelectronics and solid state devices, microwaves and electromagnetics, optical engineering, and power systems.

Mission
The mission of the Electrical Engineering Program is to develop and disseminate the theory and methods for the design, analysis, and implementation of the principles and practices in Electrical Engineering.

Program Educational Objectives
The objectives of the EE Program at UCF are that:

1. Graduates will establish a successful employment position with increasing responsibilities in the areas of electrical engineering.
2. Graduates will pursue advanced studies in the areas of electrical engineering.
3. Graduates will demonstrate the pursuit of life-long learning in their areas of interest, including membership in professional societies, and participating in training opportunities.
Student Outcomes
Graduates of the Electrical Engineering program should attain:

a. An ability to apply knowledge of mathematics, science, and engineering.
b. An ability to design and conduct experiments, as well as to analyze and interpret data.
c. An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.
d. An ability to function on multidisciplinary teams.
e. An understanding of professional and ethical responsibility.
f. An ability to communicate effectively.
g. The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context.
h. A recognition of the need for, and an ability to engage in life-long learning.
i. A knowledge of contemporary issues.
j. An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.

Mission
To produce industrial engineering leaders who design and improve operations in industry, business, and government for the global economy of the 21st century. Specifically, we seek:

1. To provide graduates with the necessary knowledge and skills to assume challenging careers in leading private and public organizations, pursue advanced studies, or start-up their own businesses.
2. To provide employers with graduates who are technically competent, have fundamental knowledge of management and interpersonal skills, and ability to professionally grow and develop their careers.
3. To provide society with graduates who conduct themselves professionally and ethically and who appreciate the impact and importance of their work on society.

Program Educational Objectives
Within the first several years following graduation, Graduates should:

1. Be successfully employed in challenging or satisfying positions in the public or private sector.
2. Achieve professional growth through participation in advanced studies at the graduate level and/or career development activities.
3. Show a commitment to industrial engineering as a global service profession and practice with integrity, honesty, and objectivity.

Student Outcomes

a. Students will have an ability to apply knowledge of mathematics, science, and engineering.
b. Students will have an ability to design and conduct experiments, as well as to analyze and interpret data.
c. Students will have an ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability and sustainability.
d. Students will have an ability to function on multidisciplinary teams.
e. Students will have an ability to identify, formulate, and solve engineering problems.
f. Students will have an understanding of professional and ethical responsibility.
g. Students will have an ability to communicate effectively.
h. Students will have the broad education necessary to understand the impact of engineering solutions in a global, economic, environmental and societal context.
i. Students will have a recognition of the need for, and an ability to engage in life-long learning.
j. Students will have a knowledge of contemporary issues.
k. Students will have an ability to use the techniques, skills and modern engineering tools necessary for engineering practice.

The Department’s website (http://www.ece.ucf.edu) is a central point from which visitors may view current policies and procedures of our programs. In particular, links from this page provide up-to-date answers to frequently asked questions (FAQ’s) concerning academic advisement, student professional societies, undergraduate research opportunities, and means to effectively communicate concerns (comments, suggestions, complaints). We ask that you visit this site and follow its guidelines before you send email and letters, or make phone calls to faculty members and administrators.

Department of Industrial Engineering and Management Systems

Chair: Waldemar Karwowski
ENG2 312; 407-823-2204; Fax: 407-823-3413

Faculty: Biehl, Boginski, Calabrese, Elshennawy, Hoekstra, Karwowski, Kolthour, Lee, McCaulley, Mollaghansemi, Proctor, Rabelo, Reilly, Thompson, Zheng

Industrial Engineers work to continuously improve the design of systems, processes, or products. They design systems that translate a specific product design into a physical reality in the most productive manner and with the highest possible quality. In doing so, the industrial engineer deals with decisions regarding the utilization of people, materials, machines, and automation (including robotics). Industrial engineers are also skilled in Engineering Economic Analysis and Information Management since they are generally considered to be the natural interface between the technical specialist and management.

Industrial Engineers are generally sought in industry, service, and government organizations. In the industrial sector, the industrial engineer is concerned with improving productivity and quality of the manufacturing, distribution, and management system of organizations. In the service sector, the industrial engineer is concerned with determining the most productive manner in which to deliver high-quality service to the customer. In government organizations the industrial engineer is active in assuring that tax payers receive maximum service for their tax dollars.

The Industrial Engineering approach is characterized by a systematic evaluation of alternatives using quantitative analysis, and computer simulations. As such, quantification and measurement play a key role in the day to day activities of the industrial engineer.

Engineering design experiences are incorporated into many of the required industrial engineering core courses. For instance, students learn how to apply the principles of engineering design to production systems and cost analysis in EIN 3351, to work methods and process flows in EIN 3314, and to facilities design and layout in EIN 4364. The design experience concludes with a real-world sys-tem design in the capstone course EIN 4891.
College of Engineering and Computer Science

standing of the fundamental principles of science and engineering, to stimulate curiosity and creativity, to provide hands-on experience in laboratories, and to prepare students to "materialize" the design process to solve modern and relevant socio-economic challenges.

Details of facilities available for teaching and research may be found by following links from the MSE home page at http://www.mse.ucf.edu/.

Mission: Department of Materials Science and Engineering
The mission of the Department is to serve the industrial and academic needs of the University, the State of Florida, the nation and the international community by providing materials scientists and/or engineers with

- Ability to use fundamental and applied knowledge and the skills of the discipline to perform effectively in a broad range of industrial, governmental, and academic positions.
- Clear awareness of ethics, quality, environments, economy, and safety.
- Focus as life-long learners, pursuing their personal and professional development to rise to positions of prominence in the technical society of tomorrow.

The department further will serve as the focal point and catalyst for the development of high quality, coordinated and visionary research and educational programs for the materials-oriented students and faculty throughout UCF.

Department of Mechanical and Aerospace Engineering
Chair: Yoav Peles
ENG 307; 407-823-2416; Fax: 407-823-0208

The Department of Mechanical and Aerospace Engineering offers undergraduate degree programs in Aerospace Engineering and Mechanical Engineering. The Aerospace Engineering program is designed to provide a broad-based foundation in aeronautics and astronautics, including topics such as aerodynamics, propulsion, aerospace structures and materials, flight dynamics, and control and performance.

The Mechanical Engineering program is designed to provide a broadly-based foundation in mechanical systems and thermos-fluids, including topics such as structures and properties of materials, solid mechanics, dynamics and controls, vibrations, CAD/CAM/FEM, fluid mechanics, and heat transfer. Both programs seek to convey an understanding of the fundamental principles of science and engineering, to stimulate curiosity and creativity, to provide hands-on experience in laboratories, and to prepare students to design systems which solve current and relevant societal problems. The design experience begins in the freshman engineering courses and grows throughout the curricula with increased emphasis on student creativity, open-ended problems, materials selection, design methodology, feasibility considerations, alternative solutions, and design optimization which culminates in the senior capstone design courses. The use of computer and written and oral communication are part of the design experiences throughout the programs.

Mission: Aerospace Engineering
In support of the University and College, the mission of the Mechanical Engineering program is to provide the highest quality engineering education through cooperative efforts with regional industry and to propagate methods for the design, analysis, and implementation of the principles and practices particular to the mechanical engineering field. Our graduates will be trained to be competitive in their role as mechanical engineers in society and will have an awareness of ethical, environmental, economic, safety, and quality issues. They will be supplied with skills necessary to achieve life-long learning and to pursue their personal and professional development upon completing the program. Through these characteristics our graduates will be able to rise to positions of prominence in the technical society of tomorrow.

Program Educational Objectives
1. Graduates will meet the expectations of employers of aerospace engineers.
2. Graduates will undertake leadership roles in their communities and/or professions.
3. Qualified graduates will pursue advanced study, if they so desire.

Student Outcomes
a. An ability to apply knowledge of mathematics, science, and engineering.
b. An ability to design and conduct experiments as well as to analyze and interpret data.
c. An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.
d. An ability to function on multidisciplinary teams.
e. An ability to identify, formulate, and solve engineering problems.
f. An understanding of professional and ethical responsibility.
g. An ability to communicate effectively.
h. The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context.
i. A recognition of the need for, and an ability to engage in, life-long learning.
j. A knowledge of contemporary issues.
k. An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.

Mission: Mechanical Engineering
In support of the University and College, the mission of the Mechanical Engineering program is to provide the highest quality engineering education through cooperative efforts with regional industry and to propagate methods for the design, analysis, and implementation of the principles and practices particular to the mechanical engineering field. Our graduates will be trained to be competitive in their role as mechanical engineers in society and will have an awareness of ethical, environmental, economic, safety, and quality issues. They will be supplied with skills necessary to achieve life-long learning and to pursue their personal and professional development upon completing the program. Through these characteristics our graduates will be able to rise to positions of prominence in the technical society of tomorrow.

Program Educational Objectives
1. Graduates will meet the expectations of employers of mechanical engineers.
2. Graduates will undertake leadership roles in their communities and/or professions.
3. Qualified graduates will pursue advanced study, if they so desire.

Student Outcomes
a. An ability to apply knowledge of mathematics, science, and engineering.
b. An ability to design and conduct experiments as well as to analyze and interpret data.
c. An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.
d. An ability to function on multidisciplinary teams.
e. An ability to identify, formulate, and solve engineering problems.
f. An understanding of professional and ethical responsibility.
g. An ability to communicate effectively.
h. The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context.
i. A recognition of the need for, and an ability to engage in, life-long learning.
j. A knowledge of contemporary issues.
k. An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.

Department Policy for Double Degree in Mechanical and Aerospace Engineering
The faculty of the Mechanical and Aerospace Engineering Department believe that a double degree from the department should reflect a significant achievement and a significant increase in knowledge and formal coursework above the requirements for a single degree. Any undergraduate in Mechanical and Aerospace Engineering desiring to obtain a double degree shall meet the following requirements.
Aerospace Engineering Major Pursuing Mechanical Engineering Additional Degree

Students will need to complete a minimum of 150 credit hours which will include the 22 additional hours to earn a Bachelor of Science Mechanical Engineering degree in addition to the Bachelor of Science Aerospace Engineering degree. The additional courses are: Must take EML 3500: Design and Analysis of Machine Components. Must select 2 courses from the following 5 options: EML 3101: Thermodynamics of Mechanical Systems (3hrs), EAS 4504: Design and Analysis of Machine Components II (3hrs), or EML 4313: Intermediate Dynamics and Controls (3hrs), or EML 4143: Heat Transfer II (3hrs), or EML 4703: Fluid Mechanics II (3hrs). Must select 1 course from the following 2 options: EML 4306C: Energy Systems Lab (3hrs), or EML 4301C Mechanical Systems Laboratory (3hrs) and complete 10 credit hours of Approved Departmental Technical Electives.

Mechanical Engineering Major Pursuing Aerospace Engineering Additional Degree

Students will need to complete a minimum of 150 credit hours which will include the 22 additional hours to earn a Bachelor of Science Aerospace Engineering degree in addition to the Bachelor of Science Mechanical Engineering degree. The additional courses are: EAS 3101: Fundamentals of Aerodynamics (3hrs), EAS 3810C: Design of Aerospace Experiments (3hrs), EAS 4200: Design and Analysis of Aerospace Structures (3hrs), EAS 4105: Flight Mechanics (3hrs), EAS 4134: High-Speed Aerodynamics (3hrs), EAS 4300: Aerothermodynamics Propulsion Systems (3hrs) and 4 credit hours of Approved Departmental Technical Electives.

Reserve Officer Training Corps

Air Force ROTC (Aerospace Studies)

Chair: Colonel Heather McGee
Faculty/Staff: Lt. Col. David Schiffert, Capt. Erik Mulkey, Capt. Austin Bracy, Lt. Samantha Duff, Master Sergeant Justin Tiffin, Technical Sergeant Brianna Horton, and Mrs. Ellen McCabe, Office Manager

The Department of Aerospace Studies provides pre-commissioning leadership training and education for qualified students who desire to serve as commissioned officers in the Air Force. Currently, AFROTC primarily commissions officers for Active Duty with very limited Reserve commissioning opportunities. The department offers three, three- and a half, and four-year programs. Students enrolled in SECAF qualified technical and non-technical majors are permitted five years to complete the AFROTC program. AFROTC students participate in mandatory classroom academics, leadership laboratory, and physical conditioning from the start of AFROTC until graduation/commissioning. The Department of Aerospace Studies also offers a "Cross-Town" program allowing local community college students to begin the Air Force ROTC program while dual enrolled in a designated college for their undergraduate degree classes and at UCF as a non-degree seeking student for their Air Force ROTC class and activities. All program offers scholarship opportunities for qualified students. The Air Force retains sole discretion on whether or not any applicant is qualified for enrollment in pre-commissioning education through the Air Force ROTC program. Enrollment in the program does not guarantee completion or commission. Students are invited to write or visit the Department of Aerospace Studies to obtain additional information. More information can be found on the UCF AFROTC home page at http://airforce.ucf.edu or at http://www.afrotc.com. This information is always subject to change and is based on current guidance from HQ.

Curriculum

Students enrolled in the Air Force ROTC program may major in any academic discipline and earn a minor in Aerospace Studies. A major is not offered by this department. AFROTC courses are listed under the prefix AFR. The curriculum is divided into two phases:

1. General Military Course (GMC)
   The General Military Course is designed to give students their first exposure to the Reserve Officer Training Corps program during their freshman and sophomore years. The courses deal with the mission, organization, and structure of the US Air Force, and the development of air, space, and cyber power into a prime element of American national security. Full or partial GMC credit for prior service, and other past experiences are not guaranteed and are granted on a case-by-case by the Professor of Aerospace Studies.

2. Professional Officer Course (POC)
   The Professional Officer Course is designed to develop and hone managerial and officer skills during a cadet's junior and senior years. All cadets who seek a commission through the Air Force ROTC must complete the 2-year POC curriculum. The curriculum involves the study of concepts of leadership and management in the Air Force and an analysis of the formulation and implementation of American defense policy.

Requirements for entry into the POC:

- Be at least 17 years of age at the time of entry.
- Be a U.S. citizen. Dual citizens must be willing to renounce other Non-US citizenship, if requested or if mandatory.
- If entering Flight Training, complete the POC and all degree requirements prior to reaching age 29, or
- If entering a non-flying Air Force specialty, complete the POC and all degree requirements before age 30 (waiverable to age 35).
- Pass the Air Force Officer Qualifying Test (AFQT).
- Pass an Air Force medical examination (DoDMERB).
- Pass the Air Force Physical Fitness Assessment (PFA) and meet Air Force BMI criteria.
- Have a cumulative GPA of 2.5 or higher.
- Be selected by the Professor of Aerospace Studies.
- Successfully complete a summer Field Training course.
- Qualify to contract (enlist) in the United States Obligated Reserve. Section (ORS) to certify agreement to complete the POC and to accept an Air Force Commission, if offered. This contract (enlistment) is terminated upon acceptance of a commission.

Leadership Laboratory

Leadership Laboratory is an AFROTC-only required lab that must be taken in conjunction with the academic class. Leadership Laboratory is only open to students who are members of the Reserve Officer Training Corps or are eligible to pursue a commission as deter-mined by the Professor of Aerospace Studies.

Physical Conditioning

In addition to attending Leadership Laboratory, students enrolled in the Air Force ROTC program must also participate in physical conditioning. Physical conditioning is conducted on the UCF campus at least three days each week.

Air Force ROTC Scholarship Program

Scholarships are competitively awarded and typically vary from two to four years. Depending on state residency status and credit hour load, scholarships may provide for full tuition and fees. Air Force ROTC scholarships do not provide funds for room and board expenses, and certain grants or other college funding programs may reduce or eliminate available AFROTC scholarship payments. This information is always subject to change and is based on current guidance from HQ.

Monetary Allowance

All scholarship and contract cadets receive a monthly, tax-free monetary allowance (stipend) and an annual textbook allowance. The stipend amount is based on the students' academic classification. See http://www.afrotc.com for current rates.

Summer Training

All students must complete a summer Field Training (FT) course conducted at Maxwell Air Force Base in Montgomery, AL. FT typically occurs between a cadet's sophomore and junior years, prior to their enrollment in the POC. The course is generally 24 days in length. The curriculum at FT includes junior officer training, officer career orientation, physical conditioning, and training for operations in austere and forward deployed locations.

Officer Commissioning

Students who complete the POC are appointed as Second Lieutenants in the United States Air Force. After completing the training program and entering active duty, they serve a minimum active duty tour which
The University of Central Florida, in cooperation with the US Army, provides students an opportunity to earn a commission as a Second Lieutenant after graduation and compete for an active duty assignment. Qualified students can be selected to attend specialized military training occurring the summer months. These areas of training include:

- a) Airborne Training;
- b) Air Assault Training;
- c) Northern Warfare Training;
- d) Cadet Troop Leadership Training;
- e) Mountain Training.

Army ROTC (Military Science)

Chair: LTC David Jones
Classroom II/ROTC Room 321; 407-823-2430; Fax: 407-823-5324
http://army.ucf.edu

Faculty/Staff: MAJ Barajas, MSG McSwain, CPT Lehman, CPT Silva, SFC Owen, SFC Flanagan, SSG Farrell, MAJ Ramsey, SFC Mackey, SFC Reyes, John Gano, Garrett Bell, Reinaldo Morales, Lisa Brown, Fernando Tubens, George Leonard, and Bettina Baca

The University of Central Florida, in cooperation with the US Army, provides students an opportunity to earn a commission as a Second Lieutenant after graduation and compete for an active duty assignment or accept a guaranteed Army Reserve or National Guard position. The program offers both a four-year and two-year option for students working on their Baccalaureate or Graduate degrees. Program now offers 4, 3, and 2 year scholarship options. The four-year option requires completion of one military science course and a leadership laboratory that must be taken in conjunction with the academic class every semester. The two-year option allows students with at least two academic years remaining to complete their degrees to meet all requirements for commissioning by receiving placement credit for the first two years (Basic Course) and completing the last two years (Advanced Course). Students may be eligible for the Army’s Simultaneous Membership Program (SMP) which combines Reserve Forces Duty with Army ROTC officer training courses on campus.

Note: The Army retains sole discretion - in accordance with public law and military regulation - regarding whether or not any applicant is qualified for pre-commissioning education through Army ROTC. More information on the AROTC program can be found on the AROTC Department home page: http://army.ucf.edu.

Curriculum

The Military Science curriculum is designed to develop students’ leadership potential and improve students’ planning, organizational, and managerial skills. The on-campus curriculum is divided into two phases: Basic Military Science Course and Advanced Military Science Course.

1. Basic Military Science

A. The Basic Military Science Course consists of four semesters of classroom instruction of one hour each week and a two-hour leadership lab. Students incur no military commitment by participating in the Basic Course, unless they qualify and choose to contract as a scholarship or non-scholarship student. These courses address military organizations, equipment, weapons, map reading, land navigation, management skills, grade structure, communications and leadership. There are non-contractual obligations or commitments for students in the Basic course phase. The Basic Course phase offers students the opportunity to see what Army ROTC is all about (MSL 1001C, MSL 1002C, MSL 2101C, MSL 2102C). Students will also participate in a Leadership Development Training Exercise (LDTX). These general elective courses are normally taken during the freshman and sophomore years and fulfill pre-requisite requirements for entering the Advanced Military Science phase.

B. Requisites for admission to the Basic Course:
   - Enrollment in a Baccalaureate or Master’s degree program
   - Full-time student status

2. Advanced Military Science

A. The Advanced Military Science courses (MSL 31201C, MSL 3202C, MSL 4301C, MSL 4302C) consist of four semesters of classroom instruction of two hours each week and a two-hour leadership lab that are taken during the junior and senior years. These courses specialize in small unit tactics, how to prepare and conduct military training, military justice system, staff procedures, decision making and leadership. Students desiring to enroll in the Advanced Military Science courses must be willing to pursue a commission as a Second Lieutenant and must meet pre-requisite requirements to contract and must obtain permission from the department chair (Professor of Military Science) through an interview process, prior to participating in the advanced course. They must also successfully complete a 32-day Cadet Leaders Course at Fort Knox, Kentucky, normally between their junior and senior years.

B. Requisites for Admission to the Advanced Course:
   - Successful completion of Basic Course or placement credit.
   - Must be at least 17 years of age at the time of entry but not more than 31 years of age at the time of commissioning (31-year age regulation may be waived for veterans up to age 34).
   - Successful completion of an Army physical examination.
   - Agreement to complete the Advanced Course requirements and serve on either Active, Reserve, or National Guard duty as a commissioned officer.
   - Full-time undergraduate student status (minimum of 12 hours); full-time graduate student status (minimum six hours).
   - US Citizen.
   - A minimum cumulative GPA of 2.8 is required for STEMS and 3.2 for any other majors is required to contract as a non-scholarship cadet, and a minimum cumulative GPA of 3.0 is required for scholarship consideration.

3. Monetary Allowance

All contracted and scholarship students enrolled in the Basic and Advanced Military Science Courses receive a tax-free monthly stipend of $300 during the freshman year, $350 during the sophomore year, $450 during the Junior year and $500 during the Senior school year.

4. Scholarships

Four, three and two-year scholarships are available for all students who qualify on a competitive basis. These scholarships provide full tuition or room and board not to exceed $10,000 and $1,200 annually for books and fees. In addition, all contracted scholarship students also receive the monthly stipend during the school year. Contact the Enrolment Officer for additional information at 407-823-5383.

5. Placement Credit

Placement credit for the Basic Course can be offered to students with prior service, 3 years of Junior ROTC, and completion of the Leaders Training Course (see below). Placement credit for prior service is extended to include Active duty, Reserve Forces and National Guard. Although prior service and Junior ROTC waives the Basic Course, a student that qualifies for placement credit may elect to enroll in the Basic Course.

6. Daytona Beach Campus Students

These students should contact the Professor of Military Science at Embry-Riddle Aeronautical University, Daytona Beach, Florida, 904-239-6469. Students will participate in a Field Training Exercise (FTX) and will commission, if qualified, with Embry-Riddle.

Summer Training Courses

1. Basic Course Summer Training (Cadet Initial Entry Training)

Under the two year option a student can earn placement credit for the Basic Course by attending a 31-day course at Fort Knox, Kentucky. Students attending the summer course receive approximately $800.00 pay. Additionally, all lodging, meals and transportation are furnished. Uniforms will be provided at no expense to the student.

2. Specialized Summer Training Courses

Qualified students can be selected to attend specialized military training occurring the summer months. These areas of training include:

- a) Airborne Training;
- b) Air Assault Training;
- c) Mountain Warfare Training;
- d) Cadet Troop Leadership Training;
- e) Mountain Training;

3. Cadet Leaders Course (CLC)

All Advanced Course students must attend and successfully pass a five week camp conducted at Fort Knox, Kentucky, prior to receiving a commission as an Army Officer. This camp evaluates a student’s leadership performance and potential. CLC waives the 9 hour summer school requirement for Army ROTC Cadets. Students normally attend CLC the summer following their junior year and receive approximately $800 pay for the training.

Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Engineering and Computer Science are located at:

http://oeas.ucf.edu/academiclearningcompacts.html
College of Health and Public Affairs  

Dean: Michael L. Frumkin  
HPA1 365, 407-823-0171  
http://www.cohpa.ucf.edu

Associate Dean, Academic Affairs and Technology: Ross Wolf  
HPA1 365, 407-823-0171

Associate Dean, Administration and Faculty Affairs: Dawn Oetjen  
HPA1 365, 407-823-0171

Associate Dean, Research: Thomas Wan  
HPA1 219; 407-823-0171

Associate Dean, Student/Personnel Affairs: Melvin Rogers  
HPA1 365; 407-823-0171

The College of Health and Public Affairs houses seven departments and schools: the School of Social Work, the School of Public Administration, and the departments of Communication Sciences and Disorders, Criminal Justice, Legal Studies, Health Professions, and Health Management and Informatics.

The College fosters excellence in undergraduate and graduate education, research and community service in health, social services and justice and offers an interdisciplinary Ph.D. program in Public Affairs.

General Requirements for the Bachelor’s Degree

Some programs in the College are limited access or restricted. Acceptance by or registration at the University does not constitute admission to the following: School of Social Work, and the programs in Athletic Training and Health Informatics and Information Management. Separate application must be made to the appropriate program. Additional information regarding prerequisites and admission requirements may be found in this catalog.

Academic Advisement

Undergraduate Student Services  
Director: Mariangelly Rente  
HPA2 115, 407-823-0010  
Email: hpainfo@ucf.edu

The College of Health and Public Affairs Undergraduate Student Services assists undergraduate students in understanding college and university requirements and procedures as well as coordinating orientation, registration and graduation certification. Students interested in pursuing limited access programs are encouraged to meet with advisors in the college to stay on track by taking the appropriate prerequisite requirements. Advisors are available through the Outreach Program for students on probation or for those who are having academic difficulty. Questions concerning university and college academic policies should be directed through this office.

Programs and Degrees

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<tr>
<td>Communication Sciences and Disorders</td>
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<tr>
<td>Criminal Justice</td>
<td>BA, BS, MS</td>
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<tr>
<td>Health Informatics and Information Management</td>
<td>BS</td>
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<td>Legal Studies</td>
<td>BA, BS</td>
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<td>Nonprofit Management</td>
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<td>Public Administration</td>
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<td>Social Work</td>
<td>BSW, MSW</td>
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<td>Urban and Regional Planning</td>
<td>MSURP</td>
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Department of Communication Sciences and Disorders

Chair: Richard Zraick  
HPA2 101, 407-823-4798  
http://www.cohpa.ucf.edu/csd

Clinic Director: Debra Knox  
3280 Progress Drive, Suite 500; 407-882-0468

Faculty: Camaby, Carson, Cosby, Crary, DiNapoli, Dreilinger, B. Ehren, T. Ehren, Fix, Harrington, Harvey, Hoffman-Ruddy, Hostetler, Kent-Walsh, Knox, Kong, Matura, Ratusnik, Resnick, Rivers, Rosa-Lugo, Ryalls, Schwartz, Towson, Troche, Utt, Vanryckegehem, Whiteside, Zraick

The discipline of communication sciences and disorders involves the prevention, evaluation, management, and study of human communication and its disorders. The undergraduate program is preprofessional in nature and reflects the scientific foundations of the discipline. The three primary goals of the undergraduate program are: 1) to provide students with the necessary preparation for graduate study in speech-language pathology, audiology, or related fields such as special education, social work, and health services administration; 2) to provide the necessary background for those who seek careers in health and human services; and 3) to allow those who graduate with a Bachelor’s degree required coursework to obtain licensure and employment as speech-language pathologists assistants.

The graduate program prepares speech-language pathologists for work with children and adults experiencing a variety of communication disorders in schools, hospitals, rehabilitation centers, community speech, language and hearing centers, and physician’s offices. The
graduate program has been accredited by the Council on Academic Accreditation of the American Speech-Language-Hearing Association since 1986. Students must plan their major or minor in consultation with a departmental advisor to meet their individual interests and career objectives.

In addition to course work in communication sciences and disorders, the department offers courses in American Sign Language and related topics.

**Degrees:** Communication Sciences and Disorders (BA, BS, MA) PhD in Education, Communication Sciences and Disorders Track

**Tracks:** None

**Minors:** Communication Sciences and Disorders

**Certificates:** Language Development and Disorders

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### Department of Criminal Justice

**Interim Chair:** Catherine Kaukinen  
HPA1 311 407-823-2603

**Faculty:** Adams, Baker, Bohm, Childs-Fisher, Craig, Eastep, Flint, Gau, Henderson, Holmes, Humiston, Lucken, Mahan, Malendevych, Matusiak, Moreto, Nobles, Paoline, Peck, Potter, Randall, Rosky, Ross, Sanborn, Steward, Surette, Watkins, Winton, Wolf, Woodward

The Department of Criminal Justice houses the undergraduate degree program in Criminal Justice. Criminal Justice is a problem-based field of study that focuses on the nature of crime control agencies in a democratic society. The curriculum reflects the dynamic nature of the field and prepares students for challenging careers in public service and private sector organizations. The Criminal Justice Department offers diverse courses and internships, leading to careers in the field, or preparation for graduate study. The department supports Lambda Alpha Epsilon, the professional Criminal Justice fraternity, and Alpha Phi Sigma, the Criminal Justice Honor society.

**Degrees:** Criminal Justice (BA, BS, MS, PhD)

**Tracks:** Scholars Track

**Minors:** Criminal Justice

**Program:** Senior Scholar Program

**Certificates:** Crime Analysis and Crime Mapping, Criminal Profiling, Security Management, Victim Advocacy and Crime Scene Investigation

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### Department of Health Management and Informatics

**Chair:** Reid Oetjen  
HPA2 210; 407-823-2359

**Faculty:** Chisholm, Cortelyou-Ward, Elswick, Falen, Gabriel, Burpur, Liu, Malvey, Noblin, D. Oetjen, R. Oetjen, Raffenaud, Ramirez, Robertson, Rotarius, Ton, Unruh, Walden, Wan, Wessel, West, Whetstone

The Department of Health Management and Informatics in the College of Health and Public Affairs at the University of Central Florida is a global leader in the areas of health administration and informatics and is devoted to being the premier provider of: globally focused faculty research; quality education; and community commitment; all of which are enhanced by the diversity of its faculty, staff and students. In order to realize this mission, the department offers two undergraduate degree programs in Health Services Administration and Health Informatics and Information Management. Each program is designed to provide students with the skills and knowledge necessary to become a leader in the field of health care management.

**Program in Health Services Administration**

The Bachelor of Science in Health Services Administration program is an upper-division professional curriculum that focuses on the managerial side of the health care industry. The program curriculum is designed to provide students with the necessary industry knowledge and job skills needed by entry-level managers in a variety of health care organizations. Program graduates are prepared for entry-level management positions in all types of health care organizations, including hospitals, ambulatory care centers, medical group practices, long-term care facilities, and home health care agencies. This program will also prepare students for study in advanced degrees in Health Services Administration or related disciplines.

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The program attracts a diverse student population interested in health care management. Students without a background in the health care industry are attracted to this major and are able to build a foundation in health services administration in order to enter the industry. Some students enter the program have clinical work experience such as respiratory therapists, emergency medical technicians, radiographers and medical laboratory technologists, while other students may hold an A.S. degree or a nationally recognized license.

The core requirements of the program have course work in areas such as health care systems, finance, administration, research, technology, law, ethics and economics. In addition, students are encouraged to take additional elective courses that will enhance their background in the health care industry. Participation in an internship is also required. All core courses are offered as web-based as well as a mixed mode format.

The Bachelor of Science in Health Services Administration program is fully certified by AUPHAThe Association of University Programs in Health Administration.

**Program in Health Informatics and Information Management**

Health information managers are professional members of the modern health care team responsible for: 1) the acquisition and supervision of complete medical records on each patient, 2) the design and management of health information systems which collect, process, store, retrieve, and release health information and statistics, 3) assistance in the preparation of other health professionals, and medical staff in developing quality assurance programs by abstraction of medical data, preparation of statistical reports, and analysis of information, and 4) assistance in collection and analysis of data for public health services planning.

The curriculum of the Health Informatics and Information Management program is accredited by the Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM).

The HIIM Program is a limited access program and requires a separate application to the program by March 1 for August admission and October 1 for January admission. Graduates of the Health Informatics and Information Management program are eligible to take the AHIMA Registered Health Information Administration Certification examination. Upon successfully passing the examination, the graduate will be recognized as a Registered Health Information Administrator (RHIA).

**Program in Athletic Training**

This is a competitive program that requires a separate application process following acceptance into the University. The program in athletic training at the University of Central Florida is a six semester program where students complete full-time coursework while engaged in clinical affiliations. The core of athletic training coursework emphasizes the competencies and proficiencies necessary for successful clinical practice in a variety of settings in which certified athletic trainers are presently employed. A significant and important aspect of the educational process is the series of clinical experiences that occur in a variety of settings under the direction of a preceptor. These local affiliation sites include but are not limited to, high schools, colleges, universities, rehabilitation clinics, and professional athletic organizations. Upon successful completion of the course of study, the graduate with a Bachelor of Science degree in Athletic Training is eligible to apply to take the Board of Certification (BOC) Exam. By successfully passing the exam, the graduate will be recognized as a certified athletic trainer (ATC). The Program in Athletic Training is accredited by the Commission on Accreditation of Athletic Training Education (CAATE).
Tracks of Arts or Science degree in Public Administration enables students, of which the federal government is but one. The Bachelor the public sector in the United States includes over 90,000 govern-
the city, county, state and federal levels in nonprofit organizations and
School prepares students for professional careers in public service at
provision of services contracting through nonprofit organizations. The
expanded to nearly half that number as governments transition the
and includes over 22 million employees, and the nonprofit sector has
planning, emergency management and homeland security and
and a certificate providing students with a broad understanding of
Seigler, Smith, Stephens, Yu, Zavattaro
Kapucu, Knox, Korosec, Krick, Lawther, Liou, Mitchell, Rogers,
Abels, Bryer, Feldheim, Fennessey, Hawkins, Hu, Jurie,
Bast, Beckman, Consalo, Cook, Fiesta, Froman, Koblasz, Merriam, Meltzer, Milton, Pons, Ravich, Schmidt, Scott, Slaughter, Wood
The Legal Studies Program provides students with a broad under-
standing of basic principles of law and the role and function of the
legal system. The Legal Studies program, in addition to preparing stu-
dents 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. Satisfactory completion of program
requirements leads to the degree of Bachelor of Arts or Bachelor of
Sciences in Legal Studies. The department houses Phi Alpha Delta
(the Legal Studies professional society), the UCF Mock Trial Team
and the UCF Moot Court teams.

Degrees: Legal Studies (BA, BS)
Minor: Legal Studies

School of Public Administration
Director: Naim Kapucu
HPA2 238; 407-823-2604

Faculty: Abels, Bryer, Feldheim, Fennessey, Hawkins, Hu, Jurie, Kapucu, Knox, Korosec, Krck, Lawther, Liou, Mitchell, Rogers, Seigler, Smith, Stephens, Yu, Zavattaro

The School of Public Administration offers a variety of degrees, minors and a certificate providing students with a broad understanding of public administration, nonprofit management, urban and regional planning, emergency management and homeland security and research administration in the public sector. The public sector is vast and includes over 22 million employees, and the nonprofit sector has expanded to nearly half that number as governments transition the provision of services contracting through nonprofit organizations. The School prepares students for professional careers in public service at the city, county, state and federal levels in nonprofit organizations and private organizations that provide services for government. Currently the public sector in the United States includes over 90,000 govern-
ments, of which the federal government is but one. The Bachelor of Arts or Science degree in Public Administration enables students to attain entry level positions in government nonprofit organizations, and other organizations that provide services for government.. Those seeking senior management and executive positions are strongly encouraged to pursue the Master’s of Public Administration (MPA), the Master’s of Nonprofit Management (MMN), the Master’s of Science in Urban and Regional Planning (MSURP), or the Master’s of Research Administration (MRA). Students with interests that go beyond the Masters level may also pursue a Ph.D. in Public Affairs.

Degrees: Public Administration (BA, BS, MPA), Nonprofit Management (MMN), Research Administration (MRA), Urban and Regional Planning (MSURP)
Minors: Public Administration, Urban and Regional Planning, Emergency Management and Homeland Security, Nonprofit Management National Certification from the Nonprofit Leadership Alliance

Undergraduate Certificates: Nonprofit Management
Graduate Certificates: Public Administration, Nonprofit Management, Fundraising, Urban & Regional Planning, Research Administration, Emergency Management & Homeland Security

School of Social Work
Director: Bonnie Yegidis
HPA1 204; 407-823-2114

Faculty: Anderson, Brown, Burg, Chapple, Dillon, Dziegielewski, Gammonley, Gryglewicz, Hall, Harris-Jackson, Jancino, Kohn, Lawrence, Leon, Mann, Mazany, McGregor, Molina, Roche, Steen, Stewart, Wharton, Withers, Yegidis

The UCF School of Social Work BSW Program (undergraduate social work program) prepares generalist social work students to become practitioners who promote optimal well-being, human rights, and social and economic justice. The school focuses on social change from a regional and global perspective with individuals, families, groups and communities in diverse practice settings. Today social workers are continuing their efforts in healthcare facilities, mental health centers, schools, substance abuse programs, neighborhood centers, nursing homes, homeless shelters, hospice programs, and many other settings. Social workers work with people from all back-
grounds to help them find ways to live richer and more productive lives. The strengths perspective is central to the social work profession emphasizing resources, capabilities, resilience, and seeing obstacles as challenges.

The curriculum, nationally accredited by the Council on Social Work Education, aims to graduate social work generalists who can teach people how to create their own path and enhance their quality of life. Graduates will assist people in changing patterns of behavior, poverty, abuse, and oppression and help them to develop effective coping skills for life’s challenges. The Social Work Program is a limited access program that requires a separate application to the School of Social Work.

If a student wishes to pursue their academic endeavors further, the School of Social Work also offers a Master’s in Social Work.

Degrees: Social Work (BSW, MSW)
Tracks: None
Minors: Aging Studies
Certificates: Aging Studies, Children’s Services

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Health and Public Affairs are located at: http://oaeas.ucf.edu/academiclearningcompacts.html

UNIVERSITY OF CENTRAL FLORIDA

105 Undergraduate Catalog 2016-2017
The UCF College of Medicine through its Burnett School of Biomedical Sciences (BSBS) offers the third largest undergraduate program in the university, B.S. in Biomedical Sciences, that meets the admission requirements for medical and other health professional school programs. The Burnett school is an integral part of the College of Medicine, making it a research-intensive medical school where cutting-edge medical research spans the entire spectrum from laboratory bench to bedside. BSBS is home to quality programs in the bio-medical sciences as well as vigorous research programs focused on cancer, cardiovascular, neurological, and infectious diseases. The UCF College of Medicine is a forward-looking medical school with a culture based on partnerships and collaboration. The college's medical and biomedical programs capitalize on UCF's existing strengths in biological sciences, modeling and simulation, engineering, optics and photonics, psychology, chemistry, film and digital media, business, and nursing.

The mission of the Burnett School of Biomedical Sciences is to provide quality undergraduate and graduate programs in the biomedical sciences and build vigorous research programs. In addition to conducting cutting-edge research in biomedicine with potential application to curing major diseases, BSBS is committed to helping develop a technology-based industry in Florida. Active partnerships formed with other units such as the College of Optics and Photonics, the School of Electrical Engineering and Computer Science and the Nanoscience Technology Center will facilitate interdisciplinary research and education programs in the innovative application of photonics, bioinformatics and nanoscience to biomedical problems.

The Burnett school is educating over 2,800 undergraduate majors in the biomedical sciences including Biomedical Sciences (also including Biomedical Sciences Pre-professional concentration), Biotechnology, and Medical Laboratory Sciences. The Biomedical Sciences BS also offers two tracks within the major: Molecular Microbiology and Molecular and Cellular Biology. BSBS also offers master's degrees in Biomedical Sciences and in Biotechnology, as well as an interdisciplinary doctoral degree in Biomedical Sciences. The current graduate enrollment is approximately 120 masters and doctoral students. The college also offers an M.D. program at the new facilities. The M.D. program enrolled its first class in August 2009 and has increased the number of admitted students annually to a level that will produce 120 medical graduates each year. The current enrollment is approximately 460 M.D. students.

In addition to multiple facilities on the main Orlando campus, the college has new facilities that are an integral part of the growing medical city at Lake Nona. The UCF Health Sciences Campus at Lake Nona includes the new 170,000-square-foot medical education building and the 198,000-square-foot Burnett Biomedical Sciences building. The M.D. program is offered in the medical education building, which features the latest in lab and classroom technology. The state of the art research laboratories in the Burnett Biomedical Sciences building provide expanded research opportunities for undergraduate and graduate students. Advising for undergraduate programs is located in HPA II room 335.

Programs and Degrees

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<td>B.S., M.S., Ph.D., Minor</td>
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<tr>
<td>(Pre-professional Concentration)</td>
<td>B.S.</td>
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<tr>
<td>Biotechnology</td>
<td>B.S., M.S.</td>
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<tr>
<td>Medical Laboratory Sciences</td>
<td>M.S./M.B.A.</td>
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<tr>
<td>Medicine</td>
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<td>M.D.</td>
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College of Medicine Mission, Vision and Goals

Mission
The University of Central Florida College of Medicine educates and inspires individuals to be exemplary physicians and scientists, leaders in medicine, scholars in discovery, and adopters of innovative technology to improve the health and well-being of all. Our patient-centered mission is achieved by outstanding medical care and services, groundbreaking research, and leading edge medical and biomedical education in an environment enriched by diversity.

Vision
The University of Central Florida College of Medicine aspires to be the nation’s premier 21st century college of medicine.
The UCF College of Medicine will be a national leader in education, research, and patient care, recognized for supporting and empowering its students and faculty to realize their passion for discovery, healing, health, and life, and for its ability to create partnerships to transform medical education, health care, and research.

Goals

- Excel in medical and biomedical education
- Excel in research and discovery in: biomedical sciences, medical education, and health care
- Provide outstanding, innovative, patient-centered care while transforming health care delivery
- Be America’s leading partnership college of medicine
- Achieve a diversified self-sustaining infrastructure to support future operations

Burnett School of Biomedical Sciences

Director, Burnett School of Biomedical Sciences: Griffith Parks
HPA2 335C; 407-823-5932

Associate Director of Undergraduate Affairs (Burnett School of Biomedical Sciences): Roseann White
HPA2 335J; 407-823-2914

Associate Director of Graduate Affairs (Burnett School of Biomedical Sciences): Saleh Naser
BMS 221; 407-823-0955

Program in Biomedical Sciences

Undergraduate Coordinator: Dorilyn Hitchcock
HPA2 339; 407-823-5932

Graduate Coordinator (M.S. program): Saleh Naser
BMS 221; 407-823-0955

Graduate Co-Coordinator (Ph.D. Program): Steve Ebert
BBS 420; 407-266-7047

The core curriculum in the baccalaureate program, with its broad and thorough background in the physical, computational, and life sciences, provides a solid foundation in concepts and applications of modern biology to contemporary and future problems. The Restricted Electives component of the baccalaureate program allows each student to enhance his/her academic preparation in areas of morphological, clinical, analytical or investigative applications. Two new tracks were initiated this year for the Biomedical Sciences B.S.: Molecular Microbiology and Molecular and Cellular Biology. Students are also encouraged to gain research experience and exposure to specialized topics not taught in formal courses through the directed research and independent study contracts with selected faculty. This thorough, but flexible, program provides an excellent preparation for industry, graduate education, and for the four-year health science professions (medicine, veterinary, pharmacy, podiatry, physician assistant, physical therapy, optometry, chiropractic and dentistry).

Degrees: Biomedical Sciences (B.S., M.S.,Ph.D.)

Tracks: None

Minors: Biomedical Sciences

Program in Biotechnoloy

Undergraduate Coordinator: Dorilyn Hitchcock
HPA2 339; 407-823-5220

Graduate Coordinator: Saleh Naser
BMS 221; 407-823-0955

To meet the demand for highly trained scientists in the biotechnology workforce, the Burnett School of Biomedical Sciences now offers a Bachelor of Science degree in Biotechnology. This new degree program prepares students to function in the industrial biotechnology/biomedical environment, providing them with more “hands on” laboratory experiences and opportunities for research. These students will be provided an industrial perspective and an understanding of product development at the same time as they are trained in the molecular techniques required for such development.

Degrees: Biotechnology (B.S., M.S., M.S./M.B.A.)

Tracks: None

Minors: None

Program in Medical Laboratory Sciences

Director: Dorilyn Hitchcock
HPA2 339; 407-823-5220

Medical laboratory scientists are involved in medical diagnosis, patient treatment, health screening, laboratory management, research, and laboratory education. They use highly sophisticated analytical equipment for the examination of blood and body fluids.

The curriculum is designed to give students a thorough background in the physical and biological sciences; to develop the necessary laboratory skills and essential skills to assume leadership roles in management and education. It also prepares students in the development of a high level of proficiency in correlating clinical data.

The last two years of sequential courses constitute the upper division professional phase of the program. The Medical Laboratory Sciences class size to be selected is determined by the availability of space and equipment, as well as available spaces in the clinical facilities.

The Medical Laboratory Sciences is a limited access program that requires a separate application to the program. Preference will be given to those who apply by March 1st, but applications will be accepted until the class is filled.

The Medical Laboratory Sciences program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS, 5600 N. River Road, Suite 720, Rosemont, IL 60018-5119) and is approved as a training program by the State of Florida Board of Clinical Laboratory Personnel.

Degrees: Medical Laboratory Sciences (B.S.)

Tracks: None

Minors: None

Office of Student Services and Advisement (OSSA)

Director: Amanda Cole
HPA2 335A; 407-823-5932

Academic Advisor: Cynthia Contreras
HPA2 336; 407-823-5787

Academic Advisor: Ana Maria Schwindt
HPA2 337; 407-823-1259

Email: BSBSAdvising@ucf.edu

The Office of Student Services and Advisement (OSSA) is the primary office for undergraduate academic advisement in the Burnett School of Biomedical Sciences. OSSA assists Biomedical Sciences, Biotechnology, and Medical Laboratory Sciences students in orientation, registration, university policies and procedures, major requirements, course substitutions, and graduation certification. Students interested in pursuing the Medical Laboratory Sciences limited access program, should meet with an advisor or the Program Director for more information.

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Medicine are located at: http://oas.ucf.edu/academiclearningcompacts.html
The College of Nursing offers a Bachelor of Science in Nursing (BSN) degree, the basis for professional nursing practice. The program has four tracks: traditional, second degree accelerated, concurrent and RN to BSN. The traditional, accelerated second degree, and concurrent tracks prepare students for initial licensure as a registered nurse. The traditional program is also offered at the Cocoa and Daytona regional campus sites. Students with a prior baccalaureate or higher degree from a regionally accredited college or university are eligible for the Accelerated Second Degree BSN option. The Concurrent ASN to BSN program is a partnership between selected Florida College System institutions and UCF College of Nursing to allow concurrent enrollment in both associate and baccalaureate nursing programs. The BSN graduate is prepared to provide comprehensive care in a variety of acute, community, and rehabilitative settings. The program emphasis includes clinical nursing practice, health promotion and maintenance, and preparation for assuming leadership roles. The baccalaureate curriculum provides the foundation for graduate study in nursing. The RN to BSN track offers registered nurses with an associate degree or diploma in nursing an opportunity to earn a BSN. Each applicant is reviewed individually and guided to prevent repetition of previous coursework. Contact the College of Nursing for specifics on the RN to BSN program. Courses are primarily on line with some face to face classes offered in Orlando, Cocoa, Daytona Beach, Leesburg and Ocala campuses.

The goal of the Master of Science in Nursing (MSN) degree is to prepare advanced practice nurses to assume leadership positions in a variety of healthcare settings. Program tracks include Family Nurse Practitioner, Adult/Gerontology Primary Care Nurse Practitioner, Nurse Educator, and Nursing Leadership and Management. Minimum hours for the degree are 36-46 hours of graduate work depending on the major. An evidence-based scholarly project is required. Students must be a licensed Registered Nurse to enter this program. A certificate in Nursing Education is available for students with a bachelor’s degree in nursing or a related health field.

The Doctor of Philosophy in Nursing (PhD) program prepares nurse scientists to assume positions as nursing faculty, leaders in the application of innovative technologies to nursing education and clinical care, executive leaders in health care systems and scientists who contribute to the body of nursing knowledge through research. It is offered in a mostly online format with two intensive on campus meetings per year.

The Doctor of Nursing Practice (DNP) prepares advanced practice nurses and nurse executives for leadership roles in specialized areas of advanced practice nursing. This program prepares nurses at the highest level of practice for the current health care environment based on a strong scientific foundation for practice; flexibility and emphasis on evidence-based practice, leadership, and organizational analysis; and analysis of practice including completion of a residency project during the capstone clinical residency year.

The College of Nursing BSN, MSN, and DNP, programs are accredited by The Commission on Collegiate Nursing Education (CCNE). The BSN Program is approved by the Florida Board of Nursing. All programs are limited access and require a separate application to the College of Nursing.

Programs and Degrees

Degrees: Nursing (BSN) (MSN) (PhD) (DNP)

Tracks: Basic BSN, Accelerated BSN degree, RN-BSN, ASN to BSN Concurrent, AS to BSN, RN to MSN

Minors: None

General Requirements for the Bachelor’s Degree

- Programs in the College of Nursing are upper division, limited access programs.
- Acceptance by or registration at the university does not constitute admission to the College of Nursing.
- Application must be made to the appropriate program in Nursing.

Additional information regarding prerequisites and minimum grade point averages may be obtained from the college website: http://www.nursing.ucf.edu

Academic Advisement

Office of Undergraduate Student Services

UTWR 3rd floor; 407-823-2744

Email: ucfnurse@ucf.edu

http://www.nursing.ucf.edu

The College of Nursing Office of Undergraduate Student Services assists undergraduate students in understanding matters relating to college and university requirements and procedures, as well as coordinating orientation, registration and graduation certification. Students interested in pursuing limited access programs are encouraged to meet with advisors in the college to take the appropriate prerequisite requirements. Questions concerning university and college academic policies should be directed through this office.

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Nursing are located at: http://oeas.ucf.edu/academiclearningcompacts.html
CREOL, The College of Optics and Photonics

Dean and Director: Bahaa Saleh
CROL 206; 407-823-6800
Email: info@creol.ucf.edu
http://www.creol.ucf.edu

Associate Dean for Academic Affairs: David J. Hagan
CROL 209; 407-823-6817

Associate Director, Academic Affairs: Mike McKee
CROL 108B; 407-823-6376; undergrad@creol.ucf.edu

Faculty: Abouraddy, Amezcua-Correa, Aregenti, Cerqua-Richardson, Chang, Christodoulides, Delfyett, Deppe, Dogariu, Fathpour, Gelfand, Glebov, Gaume, Hagan, Han, Kar, Khajavikhan, Kik, Kuebler, Li, LiKamWa, Pang, Moharam, Renshaw, Richardson, Saleh, Schoenfeld, Schulzgen, Shah, Soileau, Van Stryland, Vodapyanov, Wu, Zeldovich

Undergraduate Degree
Photic Science and Engineering
BSPSE

College Vision
Be the nation’s leader in education, research, and scholarship in optical science and engineering (OS&E).

College Mission
CREOL, The College of Optics & Photonics is a world-renowned graduate college for optical science and engineering education and research. Its mission is to: Provide the highest quality education in optical science and engineering, support the educational needs of undergraduate and graduate students, serve the continuing educational needs of industry, and enhance optics and photonics education at all levels; Create and disseminate new knowledge and innovations in optics and photonics by conducting, presenting, and publishing cutting-edge fundamental and applied research; Aid in the development of the State of Florida and the nation’s knowledge-based and technology-based industries, and create, foster, and sustain mutually beneficial research collaborations and partnerships with industry.
College Organization

The College of Optics and Photonics (COP) was formed in 2004, as a result of the great success of CREOL (the Center for Research and Education in Optics and Lasers), which was established in 1986 to provide the highest quality education in optics and lasers, conduct scholarly fundamental and applied research, and aid in the development of Florida’s high technology-based industries. The College has offered MS and PhD degrees in Optics for many years and now offers the degree of Bachelor of Science in Photonic Science and Engineering in collaboration with the College of Engineering and Computer Science (CECS).

CREOL has become an internationally recognized institute with 30 faculty members, 63 Ph.D. level research scientists, and 120 graduate students. The faculty are recognized as being among the best in the optics/laser/photonics field, with two-thirds holding the rank of Fellow in major national and international professional societies. It is housed in a state-of-the-art 104,000-square-foot building dedicated to optics, photonics, and laser education and research on the main campus. This facility houses ninety research laboratories equipped with over $50 million in state-of-the-art equipment. A portion of the building functions as the UCF Photonics Incubator, an extension of the award-winning UCF Business Incubation Program. The undergraduate lab is outfitted with the latest equipment and technologies in a dedicated space for undergraduate students.

The research activities, through centers such as CREOL, the Florida Photonics Center of Excellence (FPCE) and the Townes Laser Institute, span the spectrum from basic science to prototype development. The faculty and research staff pursue joint research projects with industry, academia, and government laboratories, and are always seeking new opportunities to work with industry to expose students to the industrial environment and to help in technology transfer.

The faculty engage in research and education in fields utilizing radiation at wavelengths ranging from millimeter waves and THz to UV and X-rays. This includes several photonic technologies; 1) lasers, 2) optical fibers, 3) semiconductor and integrated photonic devices, 4) nonlinear, quantum, and quantum optics, and 5) imaging, sensing and display. These technologies have applications in industry, communication and information technology, biology and medicine, energy and lighting, aerospace, and homeland security and defense. Design of optical systems, which has been the core of optical engineering, remains to be a principal component of the discipline, and advanced topics such as nanophotonics, attosecond optics, metamaterials, plasmonics, and biophotonics, have been embraced as areas of strength and future growth. These programs are supported by over $10 million of research grants and contracts annually from numerous federal and state agencies and industry.

Bachelor of Science in Photonics Science and Engineering Description

Optics and photonics technologies are central to modern life. For example, they are needed to make and inspect the integrated circuits in nearly every electronic device we use. They are used in high-efficiency lighting, displays, and the harvesting of solar power. Optical fibers have enabled the Internet and lasers are essential to precision manufacturing and metrology, and a plethora of medical applications including clinical diagnosis, surgery, and genome mapping. Photonics plays a huge role in the US and Florida’s economy, with over 270 photonics companies in Florida, employing over 5,000 engineers. B.S. degree in Photonic Science and Engineering will enable students to analyze and design optical and laser systems for a broad set of applications including manufacturing, healthcare, telecommunication, defense, security, and entertainment. PSE students are required to complete a senior design project in which students work is a small design team.

Mission

The mission of the Bachelor of Science in Photonic Science and Engineering is to educate students in the fundamental skills, knowledge, and practice so they can apply their knowledge, analyze, and design technologies in a productive and ethical manner that will lead them to positions within the Photonic Science and Engineering industry, or to prepare them for advanced course work or degrees within Optics and Photonics.

Program Educational Objectives

1. Graduates will grow in their role as photonic scientists and engineers in society leading to leadership within the profession.

2. Graduates will make a meaningful impact on profession while behaving ethically and taking into account environmental and economic issues.

3. Graduates will pursue life-long learning in their areas of interest, through such endeavors as graduate studies, service to the profession, or participating in training opportunities.

Student Outcomes

Upon graduation, graduates will have:

1. The ability to apply knowledge of mathematics, science, and engineering.

2. The ability to design and conduct experiments, as well as to analyze and interpret data.

3. The ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.

4. The ability to function on multidisciplinary teams.

5. The ability to identify, formulate, and solve engineering problems.

6. An understanding of professional and ethical responsibility.

7. The ability to communicate effectively.

8. The broad education necessary to understand the impact of engineering solutions in global, economic, environmental, and societal contexts.

9. Recognition of the need for, and the ability to engage in life-long learning.

10. Knowledge of contemporary issues.

11. The ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.

Advisement

The Photonic Science and Engineering Bachelor’s degree is jointly offered with CECS. General questions about the program can be directed to the Associate Director in the College of Optics and Photonics or email at undergrad@creol.ucf.edu. Questions about general engineering requirements are available through the CECS Academic Affairs Office in ENG1 107.

Additional Information on UCF Baccalaureate Photonic Science and Engineering Program

Additional and current information on the UCF Photonic Science and Engineering can be found on the College home page at http://www.creol.ucf.edu and information about this joint program with the College of Engineering and Computer Science can be found at http://www.cecs.ucf.edu.

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Optics and Photonics are located at:
http://oeas.ucf.edu/academiclearningcompacts.html
Graduate Catalog:
For information concerning graduate programs, please refer to the certificates, tracks, and pre-professional programs in these areas.

The College of Sciences, the largest academic unit at the university, educates and conducts research in physical, life, social, and behavioral sciences. The College houses the departments of Anthropology, Biology, Chemistry, Mathematics, Physics, Political Science, Psychology, Sociology, and Statistics along with the Nicholson School of Communication. In addition, the college houses several additional academic and research units, including the Arboretum, Global Perspectives, the Lou Frey Institute of Politics and Government, the National Center for Forensic Science, and ISTEM (Initiatives in Sciences, Technology, Engineering, and Mathematics).

The College is responsible for programs in the behavioral and social sciences, the communication sciences, the analytic and computational sciences, and the physical and life sciences. The departments collectively offer undergraduate baccalaureate degrees, minors, certificates, tracks, and pre-professional programs in these areas. For information concerning graduate programs, please refer to the Graduate Catalog: http://www.graduatecatalog.ucf.edu.

Undergraduates enrolled in the College must fulfill all University degree requirements, including those for general education, as well as the requirements of the degree program. To be certified for graduation, most programs require that a student achieve at least a “C” GPA (2.0) in the courses of his or her major and/or minor as defined by each department (see program specific requirements). Some departments also require a minimum grade in specified courses and/or in portions of the program of study. Consult the program requirements and a departmental advisor for specific policies. For programs with a foreign language graduation requirement, American Sign Language is not considered a foreign language and will not satisfy the requirement unless specifically permitted within the major (see “Foreign Language Requirements” under specific program requirements).

Preprofessional Programs

Prelaw Program

Prelaw Advisor: Roger Handberg
CSB 230; 407-823-6131
Email: cosas@ucf.edu
http://www.cos.ucf.edu/cosas/

The College of Sciences Advising Services (COSAS) is the primary office for undergraduate academic advisement for the College of Sciences. COSAS students will have at least two primary advisors, one within COSAS and one within the department of their major. Second year students transitioning from the “First Year” advising offices should make an appointment with their COSAS advisor by the end of the fall term of their second year at UCF. At that appointment, students will also then be referred to an advisor within the department of their major. New transfer students within COS should meet with their COSAS advisor and their department advisor by the end of their first term at UCF. COSAS assists students with degree requirements, policies, and procedures as well as coordinates orientation, registration, readmission, and graduation. COSAS advisors also work with students at risk of, and currently on, academic probation as well as students with low major GPAs. Questions concerning University and College academic policies and requirements should be directed to COSAS. Questions concerning the specific requirements within a major or minor should be directed to the department offering the program. For additional information about COSAS, please visit our website.
Programs and Degrees

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<th>Degree</th>
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<td>Actuarial Science</td>
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<td>Advertising-Public Relations</td>
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<td>Anthropology</td>
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<td>Anthropology of Global Health</td>
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<td>Anthropology in Multicultural Studies</td>
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<td>Astronomy</td>
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<td>Behavioral Forensics</td>
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<td>Biology</td>
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<td>Biomedical Sciences</td>
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<td>Chemistry</td>
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<td>Civics Teaching</td>
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<td>Conservation Biology</td>
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<td>Corporate Communication</td>
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<td>Crime Scene Investigation</td>
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<td>Criminal Law, and Deviance</td>
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<td>Diplomacy</td>
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<td>Diversity &amp; Social Inequality</td>
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<td>European Studies</td>
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<td>Forensic Science</td>
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<td>Global Peace &amp; Security Studies</td>
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<td>Health Communication</td>
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<td>Industrial/Organizational Psychology</td>
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<td>Physics</td>
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<td>Political Science-Pre Law</td>
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<td>Psychology</td>
<td>BS, MA, MS, PhD, Minor</td>
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<td>Radio-Television</td>
<td>BA</td>
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<td>SAS Data Mining</td>
<td>Graduate Certificate</td>
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<td>Security Studies</td>
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<td>Social Sciences</td>
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<td>Sociology</td>
<td>BA, MA, PhD, Minor</td>
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<tr>
<td>Statistics</td>
<td>BS, MS, Minor</td>
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<tr>
<td>Terrorism Studies</td>
<td>Minor</td>
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</table>

**Department of Anthropology**

Chair: Tosha Dupras  
PH 309; 407-823-2227  
Email: anthro@ucf.edu  
http://anthropology.cos.ucf.edu/

Assistant Chair and Undergraduate Coordinator: John Schultz

Please see the department website for a listing of the department’s faculty and staff.

The Department of Anthropology offers courses and programs that lead to: a Bachelor of Arts in Anthropology; a minor in Anthropology with concentrations in general anthropology, archaeology, cultural anthropology, and physical anthropology; a minor in Anthropology in Multicultural Studies; a minor in Native American Indian Studies; a minor in Medical Anthropology, an undergraduate certificate in forensics; a graduate certificate in Maya Studies; and, a Master of Arts in Anthropology with focus areas in Cultural Competency, Archaeological Investigations in Forensics and Human Adaptations, and Maya Studies. The Undergraduate Anthropology Program prepares students for graduate training in Anthropology and provides them with the skills needed to apply the concepts, methods, and theories of Anthropology in the real world. Anthropology has four sub-disciplines, consisting of language and culture, cultural anthropology, physical anthropology, and archaeology. While undergraduate students are exposed to each of the sub-fields of Anthropology, the training for advanced work in each field differs. Thus, students should consult with their departmental advisor early in their academic careers.

**Degrees:** Anthropology (BA, MA)  
**Minors:** Anthropology (concentrations in general, archaeology, cultural, or physical), Anthropology in Multicultural Studies, Medical Anthropology, North American Indian Studies

**Certificates:** Anthropology of Global Health (undergraduate), Crime Scene Investigation (undergraduate), Native American Studies (undergraduate), Maya Studies (graduate)

**Department of Biology**

Chair: Graham Worthy  
BL 301: 407-823-1333  
Email: biology@ucf.edu  
http://biology.cos.ucf.edu/

Associate Chair: Laurie von Kalm  
Undergraduate Coordinator: Eric Hoffman

Please see the department website for a listing of the department’s faculty and staff.

The Department of Biology offers a Bachelor of Science in Biology, a Minor in Biology, the Master of Science in Biology, a Professional Science Masters in Conservation Biology, a graduate Certificate in Conservation Biology, a Ph.D. in Conservation Biology, and participates in an interdisciplinary Ph.D. program in Biomedical Sciences.

The core undergraduate curriculum provides a background in the chemical, mathematical, and physical sciences, as well as broad preparation in the biological sciences. This diverse background provides flexible career opportunities for graduates, including science-related employment and professional or graduate schools. Selection of electives, in consultation with a faculty advisor, permits emphasis on a subspecialty. Careful selection of restricted and unrestricted electives allows students to satisfy requirements for admission to professional or graduate school while completing their B.S. degree in Biology. Research experience and exposure to specialized topics not taught through formal courses may be gained through independent study.

**Degrees:** Biology (BS, MS), Conservation Biology (PSM, PhD)  
**Tracks:** Ecology, Evolutionary, and Conservation (BS), Marine and Aquatic (BS), Plant Sciences (BS), Pre-Health Professional (BS), Zoology and Pre-Veterinarian Science (BS)  
**Minors:** Biology  
**Certificate:** Conservation Biology (graduate)

**Department of Chemistry**

Chair: Cherie Yestrebsky  
PS 255; 407-823-2246  
Email: chemstaff@ucf.edu  
http://chemistry.cos.ucf.edu/

Associate Chair and Undergraduate Coordinator: Pedro Patino  
Undergraduate Coordinator, Forensic Science: Tamra Legron-Rodriguez

Please see the department website for a listing of the department’s faculty and staff.

The Department of Chemistry offers courses and programs leading to a Bachelor of Science in Chemistry, Bachelor of Science in Forensic Science, minor in Chemistry, Master of Science in Chemistry, Master of Science in Forensic Science, and Ph. D. in Chemistry. The department also participates in the Ph.D. in Biomedical Science. The undergraduate degree program in chemistry is accredited by the American Chemical Society Committee on Professional Training. It prepares the graduate for career opportunities in the chemical or related industries, or in government laboratories. The program also prepares students for further study at the graduate level in chemistry or in a related area such as materials science, pharmacology, or toxicology. With an appropriate choice of electives it also constitutes excellent preparation for the professional schools of dentistry, medicine, pharmacy, and veterinary medicine.

**Degrees:** Chemistry (BS, MS, PhD), Forensic Science (BS, MS)  
**Tracks:** Biochemistry (BS, MS), Forensic Analysis (BS, MS).  
**Minors:** Chemistry
Nicholson School of Communication

Director: TBA
NSC 240; 407-823-2683
http://communication.cos.ucf.edu/

Assistant Director: Boyd Lindsley
NSC 240A; 407-823-6751
Nicholson Academic Student Services Center (NASSC)
NSC 143; 407-823-2681
Email: nassc@ucf.edu

Please see the department website for a listing of the department’s faculty and staff.

The Nicholson School of Communication provides communication studies with a balance of practical skills and theoretical aspects. The school prepares students to investigate, understand and effectively enact and understand human communication and/or mass communication. Some programs focus on communication media and train students for professional careers in mediated communication fields. The school is composed of four program areas each of which offers Bachelor of Arts degrees. The degrees are:

1. Advertising-Public Relations: Provides knowledge of theory, concepts, and practical skills in both advertising and public relations for professional careers.
2. Human Communication: Provides knowledge of theory, and skills needed to understand, successfully predict and effectively interact with other human communicative behaviors in both professional and personal contexts including those necessary for interpersonal relationships, conflict management, intercultural interaction, employment in business, sales, and NPOs, and/or as background for advanced study in graduate school.
3. Journalism: Provides knowledge of theory and skills needed for careers as a mobile and digital journalist (newspaper, magazine, broadcast, and online forms of mass communication).
4. Radio-Television: Provides knowledge of theory and skills needed for careers in the field broadly defined as radio-television, including content creation, media production, broadcast journalism, media management and programming/promotions in a broadcast, cable online or corporate environment.

Facilities

The Nicholson School of Communication building (NSC) provides a superior teaching/learning facility, including multi-media instructional classrooms. The Radio-Television program has fully-equipped audio and video production facility, a complete multi-camera studio, an online radio station and laboratories for interactive multimedia. The Journalism program has a computer writing and media lab. The Advertising-Public Relations program has a computer writing and media lab. The Human Communication program has a presentational speaking classroom equipped for audio/video record/playback and computerized visual presentation. The Human Communication program also has a small group and interpersonal research laboratory equipped with research equipment and audio/video record/playback tools.

Degrees: Advertising-Public Relations (BA), Communication (MA), Communication and Conflict (BA), Human Communication (BA), Journalism (BA), Radio-Television (BA)
Specializations: Broadcast Generalist, Electronic Journalism, Print/ Digital Journalism, Production
Minors: Journalism Studies, Human Communication, Magazine Journalism, Mass Communication
Certificate: Corporate Communication (graduate)

Department of Mathematics

Chair: Xin Li
MSB 209; 407-823-2826
Email: math@ucf.edu
http://math.cos.ucf.edu

Associate Chair and Undergraduate Coordinator: Joseph P. Brennan
MSB 202; 407-823-2710

Please see the department website for a listing of the department’s faculty and staff.

The Department of Mathematics offers courses and programs leading to a Bachelor of Science in Mathematics, a minor in Mathematics, a Graduate Certificate in Mathematics, a Master of Science in Mathematical Science and a Ph.D. in Mathematics. (See the Graduate Studies catalog for a description of the M.S. in Mathematical Science and the Ph.D. in Mathematics.) The programs in mathematics are designed to serve:

1. Students who desire to pursue careers in mathematics after having completed a baccalaureate degree;
2. Students who desire to continue their education in graduate and professional schools; and
3. Students who need to use mathematics as a tool in their specialty areas.

In order to serve such a wide variety of students, the courses and programs in the Department of Mathematics have developed along several lines. The Department offers service courses in pre-calculus and calculus along with strong programs in the upper division in the areas of algebra and analysis as well as the areas of applied and computational mathematics.

The department does not award credit by examination for courses that are regularly taught. Students who have mastered the material in a given course are encouraged to take a more advanced class to fulfill their mathematics requirement. A limited number of student assistant-ships are available for qualified graduate students.

Degrees: Mathematics (BS, MS, PhD)
Certificate: Mathematics (graduate)
Minors: Mathematics, Mathematical Biology

Department of Physics

Chair: TBA
PS 430A; 407-823-5785
Email: physics@ucf.edu
http://physics.cos.ucf.edu/

Associate Chair: Joshua Colwell
PS 434; 407-823-2012
Undergraduate Coordinator: Elena Flitsiyan
PS 430; 407-823-2325

Please see the department website for a listing of the department’s faculty and staff.

The Department of Physics offers a multi-track program of study leading to the B.S. degree, giving students the flexibility to choose a suitable set of courses to prepare for their career goals. A common core of courses in theoretical and experimental physics will lead to a broad understanding of the general principles of physics. The different tracks allow students to specialize, applying problem-solving techniques in a certain area of interest; this also enhances their qualifications for employment in that area after graduation.

After graduation our students are prepared to enter advanced study in physics, engineering, medicine, environmental sciences, astronomy, and other related disciplines. They are also prepared to begin careers in positions that are varied as engineering physics, computational physics, and physics education. Undergraduate physics majors benefit from small class sizes, and are encouraged to be involved in individually designed senior projects working with a faculty advisor.

The Department’s research programs include optics and lasers, condensed matter physics, complex systems, biophysics, atomic and molecular physics, nanostructures, and planetary science. The Department of Physics also offers a Master of Science degree and a Doctor of Philosophy degree.

Degrees: Physics (BA, BS, MS, PhD)
B.S. Specializations: General, Materials Physics, Optics & Lasers, Computational, and Astronomy
B.A. Specializations: Physics Education, Nanoscale Science and Technology, Biophysics, Information Technology/Data Science, and Technical Writing
Minors: Astronomy, Nanoscale Science and Technology, Physics

Department of Political Science

Chair: Kerstin Hamann
HHP 302; 407-823-2608
Email: politics@ucf.edu
http://politicalscience.cos.ucf.edu/

Assistant Chair: Barbara Kinsey
Undergraduate Coordinator: Paul Vasquez
PH 302; 407-823-2608

Please see the department website for a listing of the department’s faculty and staff.
The Department of Political Science seeks to:
1. Provide students with a broad background for careers in foreign and domestic public service and in the private sector where knowledge of government and politics is necessary;
2. Provide students with a broad background in pre-law to facilitate their admission to law school;
3. Prepare students for teaching, research, and graduate study in Political Science;
4. Provide a broad background for careers in politics; and
5. Educate citizens and promote their active interest in public affairs.

Students should plan their major or minor in consultation with their department advisor according to their interests and career objectives. Political Science courses are divided into three areas of specialization: American Politics and Policy; International Relations and Comparative Politics; and Political Theory. It is strongly recommended that majors planning to continue their education at the graduate level or to pursue a career in international fields acquire a working knowledge of a foreign language beyond that required for the B.A. The Department of Political Science participates in the following programs:

- Asian Studies: Contact Houman Sadri or Myunghee Kim.
- Diplomacy: Contact Roger Handberg.
- Environmental Studies: Contact Peter Jacques.
- European Studies: Contact Kerstin Hamann or Barbara Kinsey.
- Global Peace and Security Studies: Contact Paul Vasquez.
- International and Global Studies: Contact Paul Vasquez.
- Latin American and Iberian Studies: Contact Bruce Wilson.
- Middle Eastern Studies: Contact Houman Sadri.
- Space Studies: Contact Roger Handberg.
- Terrorism Studies: Contact Paul Vasquez.
- Women’s Studies: Contact Terri S. Fine.

**Degrees:** Sociology (BA, MA, PhD), Social Sciences (BS)

**Tracks:** Domestic Violence (MA)

**Minors:** Crime, Law & Deviance, Diversity & Social Inequality, Mass Culture & Collective Behavior, Medical Sociology, Sociology

**Department of Statistics**

Chair: Shunpu Zhang
CCIL 206; 407-823-5528
Email: stats@ucf.edu
http://statistics.cos.ucf.edu/

Associate Chair: James Schott
Undergraduate Program Coordinator: Nizam Uddin

Please see the department website for a listing of the department’s faculty and staff.

The Department of Statistics offers courses and programs leading to a Bachelor of Science in Statistics, a minor in Statistics, a minor in Actuarial Sciences, and a Master of Science in Statistical Computing with a track in Data Mining. (See the Graduate Studies catalog for a description of the M.S. in Statistical Computing.)

The undergraduate program in statistics is designed to serve 1) students who desire to pursue careers in statistics after having completed a baccalaureate degree; 2) students who desire to continue their education in graduate or professional schools; and 3) students who use statistics as a tool in their specialty areas.

In order to serve such a wide variety of students, the courses and programs in the Department of Statistics have been developed along several lines. There are the usual service courses in elementary statistics along with strong programs in the upper division in statistical methods, statistical theory, and statistical computing. A limited number of assistanshipships are available for qualified graduate and undergraduate students.

**Degrees:** Statistics (BS, MS)

**Tracks:** Data Mining (MS)

**Minors:** Statistics, Actuarial Science

**Program Academic Learning Compacts** (student learning outcomes) for undergraduate programs in the College of Sciences are located at: http://oecs.ucf.edu/academiclearningcompacts.html
The College of Undergraduate Studies supports the colleges and units in their curricular planning, collaborates with faculty curricular oversight, works with faculty and administrators to assure the strength of university wide programs such as general education, and advocates for an undergraduate education that offers an outstanding learning experience to UCF students. Interdisciplinary academic degrees such as the Bachelor of Applied Sciences, and the Bachelor of Sciences and Bachelor of Arts in Interdisciplinary Studies, are conferred from this office. Units within Undergraduate Studies include the Office of Academic Services, the Office of Experiential Learning, the Office of Undergraduate Research, the Office of Interdisciplinary Studies, the Office of Pre-Health and Pre-Law Advising, the EXCEL program, and Academic Advancement Programs. The Dean serves as the final arbiter for all undergraduate academic appeals.

Academic Services
Interim Associate Dean and Director: Heath Martin
MH 210; 407-823-2691
http://www.academicservices.ucf.edu

This office is responsible for administering State of Florida and University academic policies pertaining to academic record changes, curriculum file management, the degree audit program, and University-wide undergraduate academic policies and graduation requirements. The primary goals of the office are to apply these policies fairly, promptly and evenly according to established guidelines; to provide a timely response to requests from students, faculty, and staff; and to maintain accurate and effective records for advisement and graduation certification.

Bachelor of Applied Science
Vice Provost and Dean: Elizabeth A. Dooley
MH 218; 407-823-2373
http://regionalcampuses.ucf.edu/program/applied-science

The Bachelor of Applied Science serves all Associate of Science (A.S.) graduates who desire a Bachelor of Science (B.S.) degree for career or personal advancement. The program builds upon the technical or professional skills acquired in the A.S. to develop competencies in management and communication, with emphasis on developing skills in critical thinking, problem solving and decision making. The curriculum consists of core courses in ethics, management and communication, and a concentration chosen by the student.

Office of Experiential Learning
Interim Director: Ulla Isaac
CSEL 300; 407-823-2667
http://www.explearning.ucf.edu

This office provides and supports co-op, internship and service-learning courses for students in all colleges through partnerships with college faculty and community partners locally, nationally and internationally. Experiential Learning faculty advise students, teach co-op and internship courses, and facilitate the development of quality internship and service-learning courses in colleges through faculty professional development and partnerships. They also develop and maintain productive relationships with employers, collect and distribute student learning outcome data from applied learning courses campus-wide, and compile engagement data across campus for institutional research and applications for national recognition. The primary goal is to ensure that students benefit academically by having access to and including experiential learning courses in their degree programs. These opportunities help students apply course content in real-world settings, reflect on their experiences, and gain relevant professional and academic skills needed to become capable members of the workforce and engaged citizens upon graduation.
Academic Advancement Programs
Director: Michael Aldarondo-Jeffries
TC2 221; 407-823-1815
http://www.aap.ucf.edu

Academic Advancement Programs (AAP) prepares underrepresented and first generation college students to pursue advanced degrees. AAP works in collaboration with faculty, staff, local and national partners to provide a range of graduate preparation programs and services. Students have the opportunity to participate in a variety of initiatives designed to increase their awareness and knowledge of the graduate application process, graduate school funding, summer research programs, and fellowship opportunities. Current programs include the McNair Scholars Program, the Research and Mentoring Program, and the Graduate School Prep Academy.

Office of Interdisciplinary Studies
Interim Director: Claudia Schippert
CL1 302; 407-823-0144
Email: is@ucf.edu
http://is.ucf.edu

Program Contact: Interdisciplinary Studies Advising Team
Academic Advisers: Luisa Cintron, Cassandra Everly, Said Jardaneh, Amy Van Epps, Peter Wallace

The Interdisciplinary Studies Program offers students the opportunity to pursue interdisciplinary studies through individually planned programs of study with professional advising and courses from across the university. The degree includes three different tracks from which to choose. There are also three minors and two certificate programs.

Degrees: Interdisciplinary Studies (BA, BS)
Tracks: Interdisciplinary Studies, Environmental Studies, Women’s Studies,
Minors: Environmental Studies, World Comparative Studies, Leadership Studies
Certificates: Leadership Studies, Cultural Tourism, Service Learning

Office of Pre-Health and Pre-Law Advising
Director: Erin Myszkowski
FC 203; 407-823-3033
http://phlapdvising.ucf.edu

The Office of Pre-Health and Pre-Law Advising provides guidance and support to students interested in pursuing careers in the health and legal professions. The office provides information about the field of law and a wide variety of health-related professions such as allopathic medicine (M.D.), osteopathic medicine (D.O.), veterinary (D.V.M.) medicine, dentistry, pharmacy, optometry, podiatry, chiropractic, physician assistant, physical therapy, occupational therapy, and public health. These careers require academic study in professional school settings beyond the baccalaureate degree, and the office assists pre-health and pre-law students in any undergraduate major by offering academic advising, administrative support, and other activities related to preparing for and applying to health professional schools and law schools. The office’s primary goal is to enhance the likelihood of success for all UCF pre-professional students who seek acceptance into a professional school.

Office of Undergraduate Studies

Office of Undergraduate Research
Director: Kimberly Schneider
TC2 209; 407-823-3125
http://our.ucf.edu

UCF offers numerous opportunities for undergraduates to pursue research and creative projects in various disciplines with the guidance of a faculty mentor. This intensive opportunity enhances the academic experience and challenges students to strengthen their critical thinking, analytical, creative, and writing skills. The Office of Undergraduate Research strengthens and unifies the research and education missions of UCF. The office offers programming to help students get involved such as the first-year and transferLEARN program, pre-research courses, workshops, and peer advising and also hosts programs to enhance the research experience for students including the Showcase of Undergraduate Research Excellence, UCF Undergraduate Research Journal, travel funding, summer fellowships, and student grants.

EXCEL Program
Director: Melissa Dagley
MSB 230; 407-823-6230
http://excel.ucf.edu

The goal of the EXCEL program is to increase the success of students who pursue a degree in a STEM area (science, technology, engineering, and mathematics) at UCF. To attain this goal, the EXCEL program offers enhanced educational opportunities for its recruits, such as common EXCEL mathematics courses, the EXCEL Tutoring Center for math and science, designated graduate teaching assistant mentors to closely monitor student performance in EXCEL math classes, consistent advising by a dedicated EXCEL first year advisor and the STEM college advisors, paid sophomore research experiences, and many social activities that build strong bonds among EXCEL students. The purpose of these EXCEL activities is to create a learning community which connects students, staff, and faculty, with the goal of increasing the college success of every student participant in the program.

The Quality Enhancement Plan Office
Director: Anna Maria Jones
CL1 206; 407-823-1342
http://undergrad.ucf.edu/qep/

The Quality Enhancement Plan (QEP) is a component of UCF’s accreditation with the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) and involves developing and executing a university-wide, multi-year initiative that seeks to improve student learning outcomes. The 2016 Quality Enhancement Plan topic is What’s Next: Integrative Learning for Professional and Civic Preparation. The Quality Enhancement Plan Office actively supports faculty and staff development and funds curricular and co-curricular projects that promote integrative learning.

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs for Undergraduate Studies are located at: http://oas.ucf.edu/academiclearningcompacts.html
Rosen College of Hospitality Management

Dean: Abraham Pizam
9907 Universal Boulevard, Suite 231-H Orlando, FL 32819; 407-903-8000
http://www.hospitality.ucf.edu

Associate Dean: Roberto Croes;
9907 Universal Boulevard, Suite 231-A; 407-903-8000
Associate Dean: Youcheng Wang;
9907 Universal Boulevard, Suite 231-A; 407-903-8000

Orlando Campus Academic Advising:
Classroom Building I, 302H; 407-823-1112


The hospitality industry is the second largest employer in the United States and represents the majority of the economy's rapidly growing service sector. Because of its unique location in the premier tourist destination in the world, the Rosen College of Hospitality Management is ideally situated to prepare students for leadership careers in the hospitality industry and beyond. Whether the student is interested in entering lodging, food service, travel and tourism, financial management and technology, theme parks, vacation ownership resorts, golf management, or event management, the Orlando and Central Florida area offers extraordinary opportunities.

Over 55 million tourists visit Orlando each year, an international destination with over 400 hotels with 120,000 rooms, 20,000 vacation ownership units, 5,300 restaurants, 176 golf courses, over 100 theme parks and attractions, 12 regional shopping malls, a top-ranked international airport, the second largest convention center in the nation, and a multitude of sport and entertainment venues. As the most visited location in the United States, Orlando's hospitality & tourism industry is the region's largest employer, supplying approximately 360,000 jobs with wages exceeding $14 billion annually.

The educational mission of the College is to provide students with the knowledge, skills and abilities to identify opportunities and challenges in the hospitality industry and beyond, and to apply creative decision-making techniques in response to those opportunities. Hospitality is relevant to every business, so students will benefit from an education that's transferable to both private and public entities that value the customer experience.

The curriculum is designed to prepare students for a broad range of managerial roles across various industries. It provides both academic preparation and practical experiences that students need to enter and succeed in their careers. Students also have the opportunity to experience the work world in hospitality through an internship requirement and extensive contact with leading hospitality executives in the Central Florida area. There are three undergraduate degrees offered, including Bachelor of Science degrees in Hospitality Management, Event Management, and Restaurant and Food Service Management.

The College also houses the Linda Chapin Eminent Scholar Chair in Tourism Management and the Dick Pope Sr. Institute for Tourism Studies which was created and funded by the travel and tourism industry in Central Florida. The Institute conducts research and gathers information that helps the entire Orlando area hospitality industry better understand and serve its many guests from around the world.

Distinctive Benefits
- A state-of-the-art facility located in the heart of the tourism district in Orlando, Florida with convenient on-campus housing.
- Access to global hospitality organizations that serve one of the world's premier tourist destinations.
- Extensive ties to top leaders in the Orlando area hospitality industry.
- A large number of scholarships provided through the generous support of the industry.
- Outstanding faculty from 17 different countries.
- A highly engaged faculty with vast industry knowledge and connections.
- A work requirement that provides students with practical experiences in the hospitality industry.
- Outstanding internship opportunities.
- A modern food production laboratory and beer and wine laboratory completely equipped to provide students with experience in food preparation.
- Multiple endowed chairs and professorships.

Degrees: Event Management (BS), Entertainment Management (BS), Hospitality Management (BS), Restaurant and Food Service Management (BS)

Tracks:
- Theme Park and Attraction Management;
- Golf and Club Management, Lodging Operations, Professional Tennis Management

Minor: Hospitality Management; Event Management

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the Rosen College of Hospitality Management are located at: http://oeas.ucf.edu/academiclearningcompacts.html
Accounting
Advertising - Public Relations
Aerospace Engineering
Aerospace Engineering - Accelerated Undergraduate-Graduate Program
Anthropology
Applied Science B.A.S. - A.S. to B.A.S.
Architecture
Art - History Track
Art - Studio Track
Art - Visual Arts and Emerging Media Management Track
Art - B.F.A. - Emerging Media Track
Art - B.F.A. - Studio Art Track
Art Education
Athletic Training
Biology
Biomedical Sciences
Biomedical Sciences - Preprofessional Concentration
Biotechnology
Chemistry
Chemistry - Biochemistry Track
Civil Engineering
Communication & Conflict
Communication Sciences and Disorders
Communication Sciences and Disorders - Accelerated Undergraduate-Graduate Program
Computer Engineering
Computer Engineering - Accelerated Undergraduate-Graduate Program
Computer Science
Computer Science - Accelerated Undergraduate-Graduate Program
Construction Engineering
Criminal Justice
Criminal Justice Scholar's Track
Criminal Justice - A.S. to B.S. Track
Digital Media
Early Childhood Development and Education Track 1: Education: Pre-Kindergarten - Primary
Early Childhood Development and Education Track 2: Early Childhood Development
Early Childhood Development and Education Track 3: Early Childhood Careers
Economics
Economics, Business
Electrical Engineering
Electrical Engineering - Accelerated Undergraduate-Graduate Program
Elementary Education
English - Creative Writing
English - Literature
English - Technical Communication
English Language Arts Education
Entertainment Management
Environmental Engineering
Event Management
Film - B.F.A.
Film - Cinema Studies Track
Finance
Forensic Science - Analysis Track
Forensic Science - Biochemistry Track
French
Health Informatics and Information Management
Health Sciences - Pre-Clinical Track
Health Services Administration
History
History - Accelerated Undergraduate-Graduate Program
Hospitality Management
Hospitality Management - A.S. to B.S. Track
Human Communication
Humanities and Cultural Studies
Industrial Engineering
Industrial Engineering - Accelerated Undergraduate-Graduate Program
Information Technology
Integrated Business
Interdisciplinary Studies
Interdisciplinary Studies - Environmental Studies Track
International and Global Studies
Journalism
Latin American Studies
Legal Studies
Liberal Studies
(See Interdisciplinary Studies)
Management
Marketing
Mathematics
Mathematics Education
Mechanical Engineering
Mechanical Engineering - Accelerated Undergraduate-Graduate Program
Medical Laboratory Sciences
Music
Music - Jazz Studies Track
Music - Music Composition Track
Music - Music Performance Track
Music Education
Nursing
Nursing - Accelerated Second Degree B.S.N. Option
Nursing - A.S. to B.S.N. Track
Nursing - Concurrent A.S.N. to B.S.N. enrollment option
Nursing - R.N. to B.S.N. Program
Nursing - R.N. to M.S.N. Option
Philosophy
Photography
Photonic Science and Engineering
Physics
Political Science
Political Science - Prelaw Track
Psychology
Public Administration
Radio - Television
Real Estate
Religion and Cultural Studies
Restaurant and Foodservice Management
Science Education - Biology
Science Education - Chemistry
Science Education - Physics
Social Science Education
Social Sciences
Social Work
Sociology
Spanish
Sport and Exercise Science
Statistics
Technical Education and Industry Training
Theatre - Acting Track
Theatre - Design and Technology Track
Theatre - Musical Theatre Track
Theatre - Stage Management Track
Theatre Studies
UCF Legal Studies/Barry Law/Touro Law Accelerated Legal Studies Degree Program
World Languages Education - Spanish
Writing and Rhetoric
The purpose of the Accounting B.S.B.A. degree is to prepare students to successfully gain admittance to our Accounting M.S.A./M.S.T. graduate degree program and become Certified Public Accountants (CPAs). Not eligible for a double degree with another College of Business Administration major.

Admission Requirements
- Completion of the UCF General Education program and Gordon Rule, or an AA degree from a Florida College System or State University System institution, and completion of each Common Program Prerequisite course with a “C” (2.0) or better.
- Completion of the following courses at UCF or at an AACSB accredited institution: ECO 3411, MAR 3023, FIN 3403, MAN 3025, and ACG 3131, with a GPA of at least 3.0, a grade of at least “B” (3.0) in ACG 3131, and no grade below a “C” (2.0). One course may be repeated one time in the next term of enrollment to meet these requirements.
- See Common Program Prerequisites.
- A student’s academic catalog year guarantees their graduation requirements, but not their admission requirements. All pre-majors are held to the current admission standards. This applies to both native and transfer students.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students wanting to major in Accounting must apply for admission to the major.
- Any student receiving a business degree must complete a minimum of 30 of the 58 upper level business hours for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- For students seeking a double major within the College of Business, a maximum of 6 hours of Required Courses for the Major or Restricted Electives may count towards another business major.
- A maximum of 6 hours of Core Requirements or Restricted Electives may count towards another degree program or minor.
- Students in the Accounting major must maintain a 2.75 or higher cumulative Grade Point Average in all 3000 level or higher Accounting or Tax courses and a 2.0 or higher cumulative GPA in all College of Business courses taken at UCF. Failure to maintain the required GPA will result in the student being placed on Lack of Progress in the major and/ or College. If a student on Lack of Progress fails to achieve the minimum required GPA in the subsequent term of enrollment, the student will be dismissed as an Accounting major and/or College of Business student. A student who is dismissed may seek consideration for re-admission into the College or major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving the required GPA. Readmission is not automatic or guaranteed and as an exception to College policy is rarely granted.
- Students must earn a “B” or higher in ACG 3131. In addition, only grades of “C” (2.0) or higher transfer into the program and students must earn a minimum of “C” (2.0) or higher in all business courses. This includes all courses under requirements 2, 3, 4, 5 and 6 below.
7. Foreign Language Requirements

Admissions
- Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- Variable

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- A minimum major GPA of 2.75 and a minimum College of Business GPA of 2.0.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors in Major
- Eligibility: Requirements for admission to the Honors in the Major program are: completion of at least 60 credit hours, completion of at least 12 upper division hours, at least a 3.5 GPA in the major, at least a 3.2 upper-division GPA, and at least two semesters remaining prior to graduation.
- Admission: Application for admission to the Honors in the Major program must be approved by both the Honors in the Major Coordinator for the School of Accounting and Associate Dean of the Honors College plus the payment of $25.00 one-time membership dues.

Requirements:
- Students accepted into the Honors in the Major program must complete two honors courses (total of 6 credit hours) as follows:

Take all of the following sequences:
ACG 4903H Honors Directed Reading I or
ACG 4904H Honors Directed Reading II 3 hrs
and ACG 4970H Undergraduate Honors Thesis 3 hrs

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- Florida College System students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.

- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.
- Any student receiving a business degree must complete a minimum of 30 of the 58 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study

Freshman Year - Fall
ENC 1101 Composition I 3 hrs
MAC 1105C College Algebra 3 hrs
ECO 2013 Principles of Macroeconomics 3 hrs
Cultural Foundation I 3 hrs
Elective 3 hrs

Freshman Year - Spring
ENC 1102 Composition II 3 hrs
ECO 2023 Principles of Microeconomics 3 hrs
Social Foundation 3 hrs
Elective 3 hrs
Elective 3 hrs

Sophomore Year - Fall
ACG 2021 Principles of Financial Accounting 3 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs
Science 3 hrs
Elective 3 hrs

Sophomore Year - Spring
ACG 2071 Principles of Managerial Accounting 3 hrs
ECO 3401 Quantitative Business Tools I 3 hrs
CIS 2100C Computer Fundamentals for Business 3 hrs
Historical Foundation II 3 hrs
Elective 3 hrs

Junior Year - Fall
ACG 3131 Intermediate Financial Accounting I 3 hrs
FIN 3403 Business Finance 3 hrs
MAR 3023 Marketing 3 hrs
ECO 3411 Quantitative Business Tools II 3 hrs
MAN 3025 Management of Organizations 3 hrs
GEB 3003 Career Research & Planning 1 hr

Junior Year - Spring
ACG 3141 Intermediate Financial Accounting II 3 hrs
ACG 3361 Cost Accounting I 3 hrs
BUL 3130 Legal and Ethical Environment of Business 3 hrs
GEB 3005 Career Search Strategy 1 hr
Business elective 3 hrs
Elective 2 hrs

Senior Year - Fall
ACG 3501 Financial Accounting for Governmental and Nonprofit Organizations 3 hrs
ACG 4401C Accounting Information Systems 3 hrs
GEB 3375 Introduction to International Business 3 hrs
MAR 3203 Supply Chain and Operations Management 3 hrs
GEB 4223 Business Interviewing Techniques 1 hr
Business elective 3 hrs
Advertising-Public Relations (B.A.)
College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu
Email: adpr@ucf.edu
Joan McCain - Area Coordinator, joan.mccain@ucf.edu
Nicholson Academic Student Services, nasscs@ucf.edu
Phone: 407-823-2681

Admission Requirements
- The Advertising-Public Relations program is a limited access program that requires a separate application.
- Students should apply to become Advertising - Public Relations majors only after completing all requirements for admission.
- Students must satisfactorily complete a minimum of 45 credit hours of college work before applying.
- The student’s GPA is a major component of the admission criteria.
- The admission GPA will be calculated using all college work attempted.
- The GPA cut-off for admission varies each semester, depending on the applicants; but for the previous 6 admission periods, the GPA averaged 3.4.
- Pass a grammar proficiency exam administered by UCF's Testing Center, unless the student has qualifying AP or IB scores, or a “B” is earned in both freshman GEP English classes.
- Contact NSC Advising for specifics of admission criteria.
- Students must receive a positive evaluation by the Nicholson School of Communication.
- For admission to the program, students must complete or be enrolled into and complete the following courses with a “C” or better (if in progress at the time of admission, students who do not earn a “C” or better will be removed from the program):
  - Complete the following: 6 hrs
    - ADV 3008 Principles of Advertising and Communications 3 hrs
    - PUR 4000 Public Relations 3 hrs

Application Deadlines:
- October 1 to be admitted the next spring term;
- February 1 to be admitted the next summer term;
- June 1 to be admitted the next fall term.

Degree Requirements
- Students who change degree programs (other than from Ad-PR Pending) and select this major must adopt the most current catalog.
- Co-op credit can be used in the major with advisor’s prior approval.
- Students should consult with a school advisor.
- School residency requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Nicholson School of Communication.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

UCF Degree Programs
Of the 120 hours required for graduation, 80 hours must be taken outside of the disciplines represented within the Nicholson School of Communication.
- Of these 80 hours, 56 must be taken in the liberal arts (i.e. within the College of Arts & Humanities or the College of Sciences).
- To ensure completion within 120 hours and to comply with the 80 hour rule, no more than 40 (or 43 if a GEP course was taken at UCF) of the 120 hours may be taken within the Nicholson School of Communication.
- Students electing to complete a minor must select the minor from outside the Nicholson School of Communication to remain below the 40 credit hour school maximum.
- A maximum of three credit hours of internship may be earned in one semester.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   - Required ENC 1101 Composition I 3 hrs
   - Required ENC 1102 Composition II 3 hrs
   - Select either 3 hrs
     - Required SPC 1608 Fundamentals of Oral Communication or 3 hrs
     - Required SPC 1603C Fundamentals of Technical Presentations
   B: Cultural & Historical Foundations (9 hrs)
   - Select two courses from group B 2. 6 hrs
   C: Mathematical Foundations (6 hrs)
   - Math 3 hrs
     - Suggested MGF 1106 Finite Mathematics or 3 hrs
     - Suggested MGF 1107 Explorations in Mathematics or 3 hrs
     - May substitute a higher level math with appropriate scores on the Math Placement Exam.
   D: Social Foundations (6 hrs)
   - Economics 3 hrs
     - Required ECO 2013 Principles of Macroeconomics or 3 hrs
     - Required ECO 2023 Principles of Microeconomics 3 hrs
   - Social Sciences 3 hrs
     - Required ANT 2000 General Anthropology or 3 hrs
     - Required PSY 2012 General Psychology or 3 hrs
     - Required SYG 2000 Introduction to Sociology 3 hrs
   E: Science Foundations (6 hrs)
   - required 2. Common Program Prerequisites (CPP)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   - Select either Economics course: 3 hrs
     - ECO 2013 Principles of Macroeconomics or 3 hrs
     - ECO 2023 Principles of Microeconomics 3 hrs
   - Select either Speech course:
     - SPC 1608 Fundamentals of Oral Communication or 3 hrs
     - SPC 1603C Fundamentals of Technical Presentations 3 hrs

3. Core Requirements: Basic Level (6 hrs)
- All courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken along with the following:
  - Must be in progress or completed before applying to the program:
Complete all the following: 6 hrs
- For admission to the program, students must complete or be enrolled into and complete the following courses with a “C” or better (if in process at the time of admission, students who do not earn a “C” or better will be removed from the program).
  - ADV 3008 Principles of Advertising and Promotion 3 hrs
  - PUR 4000 Public Relations 3 hrs

May be completed before or after admission to the program:
- Complete either economics class:
  - ECO 2023 Principles of Microeconomics or ECO 2013 Principles of Macroeconomics
- Complete either speech class:
  - SPC 1608 Fundamentals of Oral Communication or SPC 1603C Fundamentals of Technical Presentations
- Complete either statistics class:
  - STA 2044 Principles of Statistics or STA 2006 Statistical Methods I

4. Core Requirements: Advanced Level (21 hrs)
- Complete after admission to the program:
  - ADV 4101 Advertising Copywriting 3 hrs
  - MMC 3420 Mass Media Research Methods 3 hrs
  - MMC 3200 Mass Communication Law 3 hrs
  - MMC 4411 Ad-PR Campaigns 3 hrs
  - MMC 3630 Social Media as Mass Communication 3 hrs
  - PUR 3100 Writing for Public Relations 3 hrs

Internship: Select one 3 hrs
- ADV 4941 Internship or 3 hrs
- PUR 4941 Internship or 3 hrs

5. Restricted Electives (12 hrs)
- Select from the following after admission to the program:
  - PUR 3004 Public Relations and Society 3 hrs
  - ADV 4103 Radio-Television Advertising 3 hrs
  - ADV 4300 Advertising Media Planning 3 hrs
  - COM 3110 Business and Professional Communication 3 hrs
  - JOU 4700 Journalism Ethics 3 hrs
  - PUR 3210 Communication Approach to Corporate Social Responsibility 3 hrs
  - PUR 4203 PR/Advertising Ethics and Law 3 hrs
  - PUR 4014 Preparing for Public Relations Certification 3 hrs
  - PUR 4400 Crisis Communication 3 hrs
  - PUR 4110C Public Relations Publications 3 hrs
  - PUR 4801 Public Relations Case Studies 3 hrs
  - VIC 3001 Visual Communication 3 hrs
  - VIC 4312 Power Branding 3 hrs

You may take either internship, but not both. 3 hrs
- ADV 4941 Internship or 3 hrs
- PUR 4941 Internship or 3 hrs

6. Capstone Requirements
- The following Advanced Capstone course meets the Capstone Requirement:
  - MMC 4411 Ad-PR Campaigns 3 hrs

7. Foreign Language Requirements

Admissions
- Met by graduation requirement.

Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.
- Eight credits of American Sign Language (ASL) can satisfy this requirement for students graduating under this catalog; however it will not count toward the 56 hour Liberal Arts requirement. Consult with the NSC advising staff to understand how choosing ASL impacts hours needed to graduate.

8. Electives
- Select primarily from upper level courses, with school advisor’s approval. Must be from outside of the disciplines represented within school in order to not exceed the 40 credit hour cap. The majority of electives should be taken in the Liberal Arts to comply with the 56 hour Liberal Arts requirement.

9. Additional Requirements
- None

10. Required Minors
- None required. However if a minor is desired, it must be selected from outside the school in order to not exceed the 40 credit hour cap.

11. Departmental Exit Requirements
- To avoid delaying graduation, the student must request a review of requirements before registering for the last term.
- Students must achieve a minimum cumulative GPA of 2.0 in all UCF Nicholson School of Communication (NSC) courses taken in the major.
- All attempts of UCF NSC courses that could meet major requirements are included in the major GPA calculation, including those taken beyond the minimum required (e.g. additional restricted electives).

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- Eligibility: Requirements for admission to Honors in the Major are: completion of at least 60 semester hours of college credits including at least 12 graded upper-division hours at UCF; at least a 3.5 GPA within the major; and a 3.2 cumulative GPA including all upper-division courses regardless of institution; complete ADV 3008 and PUR 4000 with a minimum grade of A (4.0) and MMC 3420 with a minimum grade of B (3.0).
- Admission: Application to admission to Honors in the Major program must be approved by both the Honors in the Major thesis adviser and the Advertising/Public Relations Area Coordinator.

Requirements:
- Students accepted into the Honors in the Major Program must complete the following:
  - Select 1: 3 hrs
    - ADV 4906 Directed Independent Study or 1 hr
    - PUR 4906 Directed Independent Study or 1 hr
  - Select 1: 3 hrs
    - ADV 4970H Honors Undergraduate Thesis II 1 hr
    - PUR 4970H Honors Undergraduate Thesis II 1 hr

Related Programs
- Marketing
- Certificates
- None

Related Minors
- NOTE: Minors taught within the Nicholson School of Communication are not open to Ad-PR majors.
- Business
- Digital Media
- Writing and Rhetoric
- Hospitality Management
- Marketing
- Political Science
- Psychology
- Sociology
Aerospace Engineering (B.S.A.E.)

College of Engineering and Computer Science
Department of Mechanical and Aerospace Engineering, Engineering 1, Room: 381
http://www.mae.ucf.edu
Email: mmaeugrad@ucf.edu
Dr. Hyoun Jin "Joe" Cho, hjcho@ucf.edu, 407-823-8014
Lynn Grabenhorst, Lynn.Grabenhorst@ucf.edu, 407-823-5448
Phone: 407-823-5448

Admission Requirements
- Students wanting to declare a major in an engineering discipline must be in good academic standing and must have a "C" (2.0) or better in each of the following courses or their equivalents: MAC 2311C, MAC 2312, PHY 2048C, and CHM 2045C or CHS 1440.
- Students wanting to declare a major in an engineering discipline must complete a change of major in the term of completion of the final pending prerequisite course(s) listed above.

Degree Requirements
- Students in the Aerospace Engineering major are expected to make consistent good progress toward their degrees to remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Aerospace Engineering who repeats any UCF course and does not earn a grade of "C" (2.0) or better on the second attempt will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation does not receive a grade of "C" (2.0) or better by the third attempt in the same UCF course, the student will be excluded from all CECS and COP majors. Any student majoring in Aerospace Engineering who has accumulated 7 or more unsuccessful attempts (i.e., grades below "C" (2.0) and withdrawals) over all courses taken at UCF will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation has a tenth unsuccessful attempt over all courses taken at UCF, the student will be excluded from all CECS and COP majors.
- A student who is excluded from CECS and COP majors may seek readmission to a major in CECS or COP after at least one full year has passed since exclusion. Readmission is not automatic and is dependent upon a high probability of success after readmission. Any student who is readmitted to the Aerospace Engineering major will be subject to all probation conditions that applied at the time of exclusion.

1. UCF General Education Program (GEP) (38 hrs)
- The UCF General Education Program (GEP) is described in the General Education Program section, located elsewhere in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from the Florida College System or State University System should complete the GEP and the Common Program Prerequisites before transferring.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

UNIVERSITY OF CENTRAL FLORIDA

Advising Notes
- Students must satisfy each course’s prerequisites before enrolling in the class.

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- One of numerous possible plans of study. See program description for all requirements. Consult a school advisor for alternate, new or more appropriate selections.

Freshman Year - Fall 13 hrs
- ENC 1101 Composition I 3 hrs
- Foreign Language 4 hrs
- GEP Math 3 hrs
- GEP 3 hrs

Freshman Year - Spring 13 hrs
- SPC 1808 Fundamentals of Oral Communication 3 hrs
- ENC 1102 Composition II 3 hrs
- STA 2014C Principles of Statistics 3 hrs
- Foreign Language 4 hrs

Sophomore Year - Fall 15 hrs
- ADV 3008 Principles of Advertising 3 hrs
- GEP- Economics 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- Elective-take outside of NSC 3 hrs

Sophomore Year - Spring 15 hrs
- Elective-take outside of NSC 3 hrs
- PUR 4000 Public Relations 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- Apply to the program

Junior Year - Fall 15 hrs
- Apply to program by Oct 1.
- MMC 3420 Mass Media Research Methods 3 hrs
- MMC 3630 Social Media as Mass Communication 3 hrs
- Elective-take outside of NSC 3 hrs
- Elective-take outside of NSC 3 hrs
- Elective-take outside of NSC 3 hrs

Junior Year - Spring 15 hrs
- If admitted, take the following:
- PUR 3100 Writing for Public Relations 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Elective-take outside of NSC 3 hrs
- Elective-take outside of NSC 3 hrs

Junior Year - Summer 9 hrs
- Internship 3 hrs
- Elective-take outside of NSC 3 hrs
- Elective-take outside of NSC 3 hrs

Senior Year - Fall 13 hrs
- ADV 4101 Advertising Copywriting 3 hrs
- Restricted Elective 3 hrs
- Elective-take outside of NSC 4 hrs
- Elective-take outside of NSC 3 hrs

Senior Year - Spring 12 hrs
- MMC 4411 Ad-PR Campaigns 3 hrs
- Restricted Elective-Internship 3 hrs
- Free Elective-take outside of NSC 3 hrs
- Free Elective-take outside of NSC 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $15 per term
- Full-Time Student: $30 per term
UCF Degree Programs

Select 1: 3 hrs
- Preferred SPC 1603C Fundamentals of Technical Presentations
- Suggested SPC 1608 Fundamentals of Oral Communication

B: Cultural & Historical Foundations (9 hrs)
Select two classes from Historical Foundations 6 hrs
Select one class from Cultural Foundations 3 hrs

C: Mathematical Foundations (7 hrs)
Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
Required STA 3032 Probability and Statistics for Engineers 3 hrs

D: Social Foundations (6 hrs)
Select 1: 3 hrs
- Preferred ECO 2013 Principles of Macroeconomics 3 hrs
- Preferred ECO 2023 Principles of Microeconomics 3 hrs
Select one class from Social Foundations 3 hrs

E: Science Foundations (7 hrs)
Suggested PHY 2048C General Physics Using Calculus I 4 hrs
Select one class from Science Foundations 3 hrs

2. Common Program Prerequisites (CPP) (19 hrs)
- These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. To enroll in MMAE major courses, a 2.0 (C or better) in each course is required for those courses in section 2.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

1. MAC 2311C Calculus with Analytic Geometry I GEP
1. MAC 2312 Calculus with Analytic Geometry II 4 hrs
1. MAC 2313 Calculus with Analytic Geometry III 4 hrs
1. MAP 2302 Ordinary Differential Equations I 3 hrs
1. PHY 2048C General Physics Using Calculus I GEP
PHY 2049C General Physics Using Calculus II 4 hrs

1 A "C" (2.0) or better is required in this course.

Select one of the following sequences of courses:
- Preferred course
  CHS 1440 Principles of Chemistry 4 hrs
- or- First alternative: Select all of the following: 6 hrs
  CHM 2040 Chemistry Fundamentals IA and 3 hrs
  CHM 2041 Chemistry Fundamentals IB 3 hrs
- or- Second alternative
  CHM 2045C Chemistry Fundamentals I 4 hrs

3. Core Requirements: Basic Level (2 hrs)
- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing these courses, together with the core requirements listed in section 4, the technical elective courses listed in section 5 below and with the senior design courses listed in section 6 below. Independent study courses generally do not satisfy major requirements.
EGS 1006C Introduction to the Engineering Profession 1 hr
EGN 1007C Engineering Concepts and Methods 1 hr

4. Core Requirements: Advanced Level (51 hrs)
- EGN 3300 Engineering Analysis-Statics 3 hrs
- EGN 3343 Thermodynamics 3 hrs
- EMA 3706 Structure and Properties of Aerospace Materials 3 hrs
- EGN 3373 Principles of Electrical Engineering 3 hrs
- STA 3032 Probability and Statistics for Engineers GEP
- EAS 3101 Fundamentals of Aerodynamics 3 hrs
- EAS 3800C Aerospace Engineering Measurements 3 hrs
- EAS 3810C Design of Aerospace Experiments 3 hrs
- EAS 4105 Flight Mechanics 3 hrs
- EAS 4134 High-Speed Aerodynamics 3 hrs
- EAS 4300 Aerothermodynamics of Propulsion Systems 3 hrs
- EML 3034C Modeling Methods in Mechanical and Aerospace Engineering 3 hrs
- EGM 3601 Solid Mechanics 3 hrs
- EGN 3321 Engineering Analysis-Dynamics 3 hrs
- EML 4225 Introduction to Vibrations and Controls 3 hrs
- EML 3701 Fluid Mechanics I 3 hrs
- EML 4142 Heat Transfer 3 hrs
- EAS 4200 Analysis & Design of Aerospace Structures 3 hrs

5. Restricted Electives (12 hrs)
- Technical electives are available in the BSAE program to address specific student interests in a variety of technical areas. Students must consult with their assigned academic advisor for a list of the approved technical electives and the semesters when specific courses of this type are to be offered. http://mmae.ucf.edu/Academics/undergraduate.html

6. Capstone Requirements (6 hrs)
- These courses are a capstone experience to your engineering program and should be completed in your last 2 major semesters of study.
- CECS encourages all engineering students to take the Fundamentals Exam during their senior year.
EAS 4700C Aerospace Design I 3 hrs
EAS 4710C Aerospace Design II 3 hrs

7. Foreign Language Requirements

Admissions
- None
8. Electives
- None
9. Additional Requirements
- None
10. Required Minors
- None

11. Departmental Exit Requirements
- 25% of course work must be in residency at UCF.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 128

Honors In Major
- None

Related Programs
- Mechanical Engineering

Certificates
- None

Related Minors
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Engineering Leadership

Advising Notes
- Double Degree/Double Major requirements listed under college section of the catalog.

Career and Academic Advising
- The department requires all students in the program to meet with a faculty member for advising on career and academic issues. These courses must be taken in sequence during the 3rd and 4th year.
EAS 3933 Aerospace Career and Academic Faculty Advising I 0 hrs
UCF Degree Programs

Transfer Notes
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.
- EGS 1006C and EGN 1007C are required courses for incoming freshman students only. The two credit hours for these courses will be substituted by an approved Aerospace Engineering Elective for transfer students.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (128 hrs)
- The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

Freshman Year - Fall 12 hrs
- EGS 1006C  Introduction to the Engineering Profession  1 hr
- ENC 1101  Composition I  3 hrs
- MAC 2311C  Calculus with Analytic Geometry I  4 hrs

Select 1: 4 hrs
- CHS 1440  Principles of Chemistry or 4 hrs
- CHM 2045C  Chemistry Fundamentals I or 4 hrs
- CHM 2040  Chemistry Fundamentals IA or 3 hrs
- CHM 2041  Chemistry Fundamentals IB  3 hrs

Sophomore Year - Fall 13 hrs
- EGN 1007C  Engineering Concepts and Methods  1 hr
- ENC 1102  Composition II  3 hrs
- MAC 2312  Calculus with Analytic Geometry II  4 hrs
- PHY 2048C  General Physics Using Calculus I  4 hrs

Select 1: 3 hrs
- SPC 1603C  Fundamentals of Technical Presentations or 3 hrs
- SPC 1608  Fundamentals of Oral Communication  3 hrs

Freshman Year - Spring 15 hrs
- EGN 1007C  Engineering Concepts and Methods  1 hr
- ENC 1102  Composition I  3 hrs
- MAC 2312  Calculus with Analytic Geometry II  4 hrs
- PHY 2048C  General Physics Using Calculus I  4 hrs

Select 1: 3 hrs
- SPC 1603C  Fundamentals of Technical Presentations or 3 hrs
- SPC 1608  Fundamentals of Oral Communication  3 hrs

Sophomore Year - Summer 10 hrs
- MAC 2313  Calculus with Analytic Geometry III  4 hrs
- EMA 3706  Structure and Properties of Aerospace Materials  3 hrs
- GEP  3 hrs

Sophomore Year - Fall 13 hrs
- MAP 2302  Ordinary Differential Equations I  3 hrs
- PHY 2049C  General Physics Using Calculus II  4 hrs
- EGN 3310  Engineering Analysis-Statics  3 hrs
- STA 3032  Probability and Statistics for Engineers  3 hrs

Sophomore Year - Spring 12 hrs
- EGN 3321  Engineering Analysis-Dynamics  3 hrs
- EGN 3343  Thermodynamics  3 hrs
- EGN 3373  Principles of Electrical Engineering  3 hrs
- EGN 3601  Solid Mechanics  3 hrs

Sophomore Year - Summer 9 hrs
- GEP  3 hrs
- GEP  3 hrs

Select 1: 3 hrs
- ECO 2013  Principles of Macroeconomics or 3 hrs
- ECO 2023  Principles of Microeconomics  3 hrs

Junior Year - Fall 15 hrs
- EML 3034C  Modeling Methods in Mechanical and Aerospace Engineering  3 hrs
- EAS 3800C  Aerospace Engineering Measurements  3 hrs
- EAS 3933  Aerospace Career and Academic Faculty Advising I  0 hrs
- EML 3701  Fluid Mechanics I  3 hrs
- GEP  3 hrs
- EAS 4200  Analysis & Design of Aerospace Structures  3 hrs

Junior Year - Spring 15 hrs
- EAS 4105  Flight Mechanics  3 hrs
- EAS 4134  High-Speed Aerodynamics  3 hrs
- EAS 4931  Aerospace Career and Academic Faculty Advising II  0 hrs
- EAS 4700C  Aerospace Design I  3 hrs
- Upper Division Elective  3 hrs
- Upper Division Elective  3 hrs

Senior Year - Fall 15 hrs
- EAS 4105  Flight Mechanics  3 hrs
- EAS 4134  High-Speed Aerodynamics  3 hrs
- EAS 4931  Aerospace Career and Academic Faculty Advising II  0 hrs
- EAS 4700C  Aerospace Design I  3 hrs
- Upper Division Elective  3 hrs
- Upper Division Elective  3 hrs

Senior Year - Spring 12 hrs
- EAS 4300  Aerothermodynamics of Propulsion  3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oes.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Anthropology (B.A.)

College of Sciences
Department of Anthropology,
Howard Philips Hall, Room: 309
http://www.cos.ucf.edu/anthropology
Dr. John Schultz, john.schultz@ucf.edu
Phone: 407-823-2227

The Anthropology major results in broad holistic understanding of humans and the human condition, both past and present. Students study all subfields of Anthropology: Archaeology, Cultural Anthropology, Linguistics, and Physical Anthropology. Students with sufficient course background may participate in ongoing archaeological excavations in Central America, South America and the Caribbean. This degree program may be completed online, although not all elective options or program prerequisites may be offered online. Newly admitted students choosing to complete this program exclusively via UCF online classes may enroll with a reduction in campus-based fees. See http://ucf.edu/online for more information.

Admission Requirements
- None

Degree Requirements
- UCF students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement: at least 30 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Anthropology Department.
- Students must maintain a minimum cumulative GPA of 2.0 in all major requirements.
- Co-op or internship credit cannot be used in the major without prior approval.
- Students should consult with a departmental advisor.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours

1. UCF General Education Program (GEP)  (36 hrs)
A: Communication Foundations  (9 hrs)
B: Cultural & Historical Foundations  (9 hrs)
# UCF Degree Programs

**C: Mathematical Foundations (6 hrs)**

<table>
<thead>
<tr>
<th>Suggested Courses</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGF 1106: Finite Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>MGF 1107: Explorations in Mathematics</td>
<td>3</td>
</tr>
</tbody>
</table>

You may substitute a higher level math with appropriate scores on the Math Placement Exam.

**Statistics - Computers (3 hrs)**

<table>
<thead>
<tr>
<th>Recommended Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 2014C: Principles of Statistics</td>
<td>3</td>
</tr>
</tbody>
</table>

**D: Social Foundations (6 hrs)**

<table>
<thead>
<tr>
<th>Suggested Courses</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2000: General Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>Select from GEP D.1 list</td>
<td>3</td>
</tr>
</tbody>
</table>

**E: Science Foundations (6 hrs)**

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2511: The Human Species</td>
<td>3</td>
</tr>
<tr>
<td>Select from GEP E.1 list</td>
<td>3</td>
</tr>
</tbody>
</table>

### 2. Common Program Prerequisites (CPP)

- See Transfer Notes for possible substitutes
- See "Common Prerequisites" in the Transfer and Transitions Services section

### 3. Core Requirements: Basic Level (6 hrs)

**Core-Required, also satisfy the CPP**

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2511: The Human Species</td>
<td>3</td>
</tr>
</tbody>
</table>

**Take all of the following:**

<table>
<thead>
<tr>
<th>Core Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2140: Archaeology and the Rise of Human Culture</td>
<td>3</td>
</tr>
<tr>
<td>ANT 2410: Cultural Anthropology: Global Perspectives, Local Contexts</td>
<td>3</td>
</tr>
</tbody>
</table>

### 4. Core Requirements: Advanced Level (12 hrs)

**Select 1:**

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 3810: Language and Culture</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4034: History of Anthropological Thought</td>
<td>3</td>
</tr>
</tbody>
</table>

**Select 1:**

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 3145: Archaeology of Complex Societies</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4115C: Archaeological Method and Theory</td>
<td>3</td>
</tr>
</tbody>
</table>

**Select 1:**

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 4516: Human Biological Diversity</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4586C: Human Origins</td>
<td>3</td>
</tr>
</tbody>
</table>

### 5. Restricted Electives (24 hrs)

**Area Study (3 hrs)**

- Select one from the following courses:
  - ANT 3148: Life and Death in Ancient Egypt            | 3     |
  - ANT 3152: Cliffs, Canyons, and Deserts: Ancient Societies of the Greater Southwest | 3     |
  - ANT 3158: Florida Archaeology                        | 3     |
  - ANT 3160: Americas Before Columbus                   | 3     |
  - ANT 3161: Ancient Mexico: Aztec to Zapotec           | 3     |
  - ANT 3163: Mesoamerican Archaeology                   | 3     |
  - ANT 3164: Ancient Incas                              | 3     |
  - ANT 3165: Archaeology of South America               | 3     |
  - ANT 3168: Maya Archaeology                           | 3     |
  - ANT 3177: Archaeology of Caribbean Piracy            | 3     |
  - ANT 3311: Indians of the Southeastern United States  | 3     |
  - ANT 3312: Ethnology of North American Indians        | 3     |
  - ANT 3313: Indians of North America High Plains       | 3     |
  - ANT 3319: Slavery, Resistance, and Cultural Dynamics Among African People in the Americas | 3     |
  - ANT 3362: Peoples of Southeast Asia                  | 3     |
  - ANT 4153: North American Archaeology                 | 3     |
  - ANT 4332: People and Cultures of Latin America       | 3     |
  - ANT 4340: Caribbean Cultures                         | 3     |
  - ANT 4352: African Societies and Cultures             | 3     |

**Restricted Electives (21 hrs)**

- Select 7 additional upper-level Anthropology courses; these may include other area study courses from the list above or any other upper-level Anthropology courses that may be offered (see below for restrictions).

**Only one of the following may be taken:**

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 4115C: Archaeological Method and Theory</td>
<td>3</td>
</tr>
<tr>
<td>ANT 3145: Archaeology of Complex Societies</td>
<td>3</td>
</tr>
</tbody>
</table>

**Only one of the following may be taken:**

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 4516: Human Biological Diversity</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4586C: Human Origins</td>
<td>3</td>
</tr>
</tbody>
</table>

**None of the following may be taken:**

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 3905: Directed Independent Study</td>
<td>1</td>
</tr>
<tr>
<td>ANT 3955: Study Abroad</td>
<td>1</td>
</tr>
<tr>
<td>ANT 3943: Caribbean Archaeology Practicum</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4180C: Seminar in Laboratory Analysis</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4824: Advanced Archaeological Fieldwork</td>
<td>9</td>
</tr>
<tr>
<td>ANT 4906: Directed Independent Study</td>
<td>1</td>
</tr>
<tr>
<td>ANT 4912: Directed Independent Research</td>
<td>1</td>
</tr>
<tr>
<td>ANT 4955: Study Abroad</td>
<td>1</td>
</tr>
<tr>
<td>ANT 5822: Maya Iconography</td>
<td>3</td>
</tr>
<tr>
<td>ANT 5907: Independent Study</td>
<td>1</td>
</tr>
<tr>
<td>ANT 5917: Directed Research</td>
<td>1</td>
</tr>
</tbody>
</table>

**Any of the following may be taken:**

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 4903H: Honors Directed Reading I</td>
<td>1</td>
</tr>
<tr>
<td>ANT 4904H: Honors Directed Reading II</td>
<td>1</td>
</tr>
<tr>
<td>ANT 4970H: Undergraduate Honors Thesis</td>
<td>1</td>
</tr>
</tbody>
</table>

## 6. Capstone Requirements

### 7. Foreign Language Requirements

**Admissions**

- Met by graduation requirement

**Graduation**

- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Foreign Languages and Literatures or Judaic Studies, or two semesters equivalent of American Sign Language. Standardized examinations for foreign languages may be used to meet the requirement.
## Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

## Additional Requirements
- None

## Required Minors
- None

### Departmental Exit Requirements
- Students must maintain a minimum cumulative GPA of 2.0 in all major requirements. All attempts of courses taken are included in the major GPA calculation. Additional courses that could meet requirements but are taken beyond the minimum required (e.g., additional restricted electives beyond 24 hrs) and a “C” (2.0) or better is earned are also included in the GPA calculation.
- Students will be required to take a standard exit exam.

### University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

### Total Semester Hours Required
- 120

### Honors In Major
- None

### Related Programs
- Social Sciences
- Sociology

### Certificates
- Crime Scene Investigation
- Cultural Tourism
- Diplomacy
- Health Communications
- Judaic Studies
- Native American Studies
- Nonprofit Management
- Teaching English as a Foreign Language
- Women’s Studies

### Related Minors
- The first four minors are not open to Anthropology majors:
  - Anthropology
  - Anthropology in Multicultural Studies
  - Medical Anthropology
  - North American Indian Studies
  - Africana Studies
  - American Studies
  - Asian Studies
  - Diplomacy
  - English - Linguistics
  - International and Global Studies
  - Judaic Studies
  - Latin American Area Studies
  - Medical Sociology
  - Middle Eastern Studies
  - Nonprofit Management/National Certification in Nonprofit Management
  - Sociology
  - Women’s Studies
  - World Comparative Studies

### Advising Notes
- None

### Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
- Acceptable Substitutes for Transfer Courses
  - Although any two ANT courses satisfy the CPP, ANT 2511 is required in the core and must be taken.

### Plan of Study
- One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

#### Freshman Year - Fall
- **ANT 2000** General Anthropology 3 hrs
- **ENC 1101** Composition I 3 hrs
- **COM 1000** Introduction to Communication 3 hrs
- **GEP-Math** 3 hrs
- **GEP** 3 hrs

#### Freshman Year - Spring
- **ANT 2511** The Human Species 3 hrs
- **ENC 1102** Composition II 3 hrs
- **GEP** 3 hrs
- **GEP** 3 hrs
- **GEP** 3 hrs

#### Sophomore Year - Fall
- **ANT 2140** Archaeology and the Rise of Human Culture 3 hrs
- **ANT 2410** Cultural Anthropology: Global Perspectives, Local Contexts 3 hrs
- Restricted Elective 3 hrs
- **GEP** 3 hrs
- Free Elective 3 hrs

#### Sophomore Year - Spring
- **ANT 3610** Language and Culture 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- **GEP** 3 hrs
- Elective / Minor 3 hrs

#### Junior Year - Fall
- **Select 1:**
  - **ANT 4115C** Archaeological Method and Theory or 3 hrs
  - **ANT 3145** Archaeology of Complex Societies 3 hrs
  - Restricted Elective 3 hrs
  - **Foreign Language** 4 hrs
  - Restricted Elective 2 hrs
  - Elective / Minor 3 hrs

#### Junior Year - Spring
- **ANT 4034** History of Anthropological Thought 3 hrs
- Restricted Elective 3 hrs
- **Foreign Language** 4 hrs
- Elective / Minor 3 hrs
- Elective / Minor 2 hrs

#### Senior Year - Fall
- **Select 1:**
  - **ANT 4516** Human Biological Diversity or 3 hrs
  - **ANT 4586C** Human Origins 3 hrs
  - Restricted Elective 3 hrs
  - Elective / Minor 3 hrs
  - Elective / Minor 3 hrs
  - Free Elective 3 hrs

#### Senior Year - Spring
- Free Elective 3 hrs
- Area Study Elective 3 hrs
- Free Elective 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs

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**UNIVERSITY OF CENTRAL FLORIDA**

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Undergraduate Catalog 2016-2017
Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oecs.ucf.edu/alc/academic_learning_compacts.htm

Architecture (B.Des.)
College of Arts and Humanities
School of Visual Arts and Design
(This program is offered at UCF at the Valencia West Campus)
http://architecture.ucf.edu/
Email: architecture@ucf.edu
Phone: 407-582-5500

The Bachelor of Design in Architecture was created to meet the local need in Central Florida for an architecture program. The Bachelor of Design (B.Des.) degree program is a partnership with Valencia College and the University of Florida, as part of a 2+2+2 program to enable students to complete an NAAB accredited architectural program in Central Florida. Note: Architecture (B.Des.) majors must have continual access to a computer. Contact the Architecture advising office (407-582-5500) for the minimum hardware and software specifications.

Admission Requirements
- Completion of an Associate of Arts (A.A.) in Architecture (or similar program) that meets the common course prerequisites of the Bachelor of Design in Architecture program.
- Submission of a completed UCF application packet.
- Participation in a competitive review prior to acceptance.
- Completion of the General Education Program (GEP) at UCF or equivalent.
- UCF admission files from other transfer students will be reviewed on an individual basis to determine if prerequisites and General Education Program requirements are met.
- Successful completion of PHY 2053 with a “C” (2.0) or better is required.

Degree Requirements
- Students who change degree programs and select this major must adopt the current catalog.
- Departmental Residency Requirement consists of at least 36 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Visual Arts and Design.
- Students must earn at least a “C” (2.0) in each required course and maintain an overall GPA of at least 2.0.
- Students should consult with an architecture advisor before selecting the major, and at least annually thereafter.
- Completion of at least 120 semester hours of course work, including all required courses.
- No more than 12 hours of overlap allowed in majors or minors completed in the School of Visual Arts and Design.

1. UCF General Education Program (GEP) (36 hrs)
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

5. Restricted Electives
- None

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- None

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- None

Certificates
- Public and Professional Writing

Related Minors
- Art - Studio
- Art History
- Cognitive Sciences
Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Full-Time Student: $90 per term

Art - Emerging Media Track (B.F.A.)
College of Arts and Humanities
School of Visual Arts and Design,
Visual Arts Building, Room: 117
http://svad.cah.ucf.edu/
Email: svadadvising@ucf.edu
Phone: 407-823-2676

The Emerging Media track allows students to integrate the multiple domains of art, storytelling, and technology. It is designed to:
- Provide a solid foundation in techniques and theory in one focused area of competence. Provide a broad understanding of related disciplines including arts, humanities, and technology. Provide extended experience in working in multidisciplinary teams on realistic problems. The program is administered through the School of Visual Arts and Design. It is recognized that there are many combinations of courses which meet the needs of individual students. Three specializations - Graphic Design, Character Animation, and Experimental Animation - lead to a Bachelor of Fine Arts degree.
- The School affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, Art courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models. Note: Emerging Media majors must have continual access to a computer. Contact the UCF Computer Store or see the website (http://www.cstore.ucf.edu) for the minimum hardware and software specifications.

Admission Requirements
- Character Animation: students must satisfactorily complete the mandatory DIG3951 - Character Animation Portfolio Review before enrolling in any Character Animation restricted electives. The Character Animation portfolio review is only held in Spring, and typically takes place near the end of February.
- Experimental Animation: all junior level Experimental Animation students must satisfactorily complete the mandatory ART 3950-Portfolio Review before enrolling in upper division ART courses or Experimental Animation restricted electives. The Spring review takes place in the first week of March. The Fall review takes place in the first week of October.
- Graphic Design: students must satisfactorily complete the mandatory GRA3950 - Graphic Design Portfolio Application course before enrolling in any Graphic Design restricted electives. The Graphic Design portfolio review is only held in Spring, and typically takes place near the end of February.
- Students unable to satisfactorily complete ART 3950-Portfolio Review, DIG 3951 - Character Animation Portfolio Review, or GRA 3950 - Graphic Design Portfolio Application, may continue in the Art History or the Visual Art and Emerging Media Management tracks.
- ”C-” (1.75) or below grades from other institutions do not meet departmental requirements.
- Note: One-on-one portfolio reviews are not possible due to the large number of received portfolios.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog by filing a catalog year change with their degree change form.
UCF Degree Programs

- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Visual Arts and Design. Nine of these must be in an area of specialization.
- Students must earn at least a “C” (2.0) in each required course except except DIG 2000, which requires a “B” (3.0) or better.
- BFA students must achieve a 3.0 GPA in all major requirements.
- Co-op credit cannot be used in this major.
- Students should consult with a School advisor prior to selecting a specialization and at least annually thereafter.

1. UCF General Education Program (GEP) (37 hrs)

A: Communication Foundations (9 hrs)
- Required: ARH 2050, History of Western Art I and 3 hrs
- Required: ARH 2051, History of Western Art II and 3 hrs
- Select a course from group B.1 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Required: MAC 1105C, College Algebra and 3 hrs
- Required: COP 2500C, Concepts in Computer Science 4 hrs

C: Mathematical Foundations (7 hrs)
- Required: ARH 2050, History of Western Art I and 3 hrs
- Required: ARH 2051, History of Western Art II and 3 hrs
- ART 2201C, Design Fundamentals - Two Dimensional 3 hrs
- ART 2203C, Design Fundamentals - Three Dimensional 3 hrs
- ART 2300C, Drawing Fundamentals I 3 hrs
- ART 2301C, Drawing Fundamentals II 3 hrs
- GRA 2101C, Introduction to Computer Art 3 hrs
- Any ART prefix, studio, or media courses at the 2000-4000 level 3 hrs

See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

2. Common Program Prerequisites (CPP) (18 hrs)

- Required: ARH 2050, History of Western Art I and 3 hrs
- Required: ARH 2051, History of Western Art II and 3 hrs
- ART 2201C, Design Fundamentals - Two Dimensional 3 hrs
- ART 2203C, Design Fundamentals - Three Dimensional 3 hrs
- Experimental Animation Core - 18 hours

3. Core Requirements: Basic Level (12 hrs)

- Required: MAC 1105C, College Algebra and 3 hrs
- Required: DIG 2000, Introduction to Digital Media and 3 hrs
- Required: DIG 2030, Digital Video Fundamentals and 3 hrs
- Required: DIG 2109, Digital Imaging Fundamentals and 3 hrs
- Required: DIG 2500, Fundamentals of Interactive Design and 3 hrs

4. Core Requirements: Advanced Level (12 hrs)

- Required: DIG 3024, Digital Cultures & Narrative and 3 hrs
- Required: DIG 3480, Computer as a Medium and 3 hrs
- Required: DIG 3525, Digital Media Production I and 3 hrs
- Required: DIG 4780C, Modeling for Realtime Systems and 3 hrs

5. Restricted Electives (39 hrs)

- Specializations
  - Graphic Design
    - Graphic Design Basic Concentration - 18 hours
      - GRA 3950, Graphic Design Portfolio Application 0 hrs
      - GRA 3102C, Intermediate Graphic Design I 3 hrs
      - GRA 3112C, Intermediate Graphic Design II 3 hrs
      - GRA 3803C, Intermediate Computer Graphic Design 3 hrs
      - GRA 4196C, Advanced Graphic Design 3 hrs
      - GRA 4197C, Special Problems in Graphic Design 3 hrs
      - GRA 3202C, Type & Design 3 hrs
  - Graphic Design - Restricted Electives - 21 hours
    - Complete 21 hours of credits from the following areas: 21 hrs
      - Select 12 hours from 3000 or 4000 level art history courses, 12 hours from 3000 or 4000 ART, ARH, GRA, DIG courses or any 3000 or 4000 level course approved by the School.

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- None

Graduation

- Proficiency equivalent to one year of college instruction in a single foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives

- Unrestricted electives - credit hours varies with specialization. (A maximum of six hours of Independent Study, Directed Research, or Internship permitted)
- Electives may be taken in allied programs such as Art, Music, Philosophy, English, Film, Communication, Computer Science, etc. as approved by the School.

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- Achieve at least a “B” (3.0) GPA in all major requirements.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
### UCF Degree Programs

- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.
- **Total Semester Hours Required**
  - 120
- **Honors In Major**
  - None
- **Related Programs**
  - Art
  - English - Technical Communication
- **Certificates**
  - None
- **Related Minors**
  - Art - Studio
  - Information Technology
  - Computer Science
  - English - Technical Communication
  - Film - Cinema Studies
  - Music
- **Advising Notes**
  - http://svad.cah.ucf.edu/students
  - svadadvising@ucf.edu
- **Transfer Notes**
  - Grades less than a “C” (2.0) are not accepted.
  - Lower division courses do not substitute for upper division courses.
  - Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
- **Acceptable Substitutes for Transfer Courses**
  - None
- **Plan of Study**
  - None
- **Character Animation**

<table>
<thead>
<tr>
<th>Semester</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Freshman Year - Fall</strong></td>
<td>15 hrs</td>
</tr>
<tr>
<td>ARH 2050</td>
<td>History of Western Art I</td>
</tr>
<tr>
<td>ART 2201C</td>
<td>Design Fundamentals-Two Dimensional</td>
</tr>
<tr>
<td>ENC 1101</td>
<td>Composition I</td>
</tr>
<tr>
<td>MAC 1105C</td>
<td>College Algebra</td>
</tr>
<tr>
<td>GEP Science Foundation</td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>Freshman Year - Spring</strong></td>
<td>16 hrs</td>
</tr>
<tr>
<td>ARH 2051</td>
<td>History of Western Art II</td>
</tr>
<tr>
<td>ART 2203C</td>
<td>Design Fundamentals-Three Dimensional</td>
</tr>
<tr>
<td>ART 2300C</td>
<td>Drawing Fundamentals I</td>
</tr>
<tr>
<td>COP 2500C</td>
<td>Concepts in Computer Science</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>Composition II</td>
</tr>
<tr>
<td>GEP Communication Foundation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP Cultural &amp; Historical Foundation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP Science Foundation</td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>Sophomore Year - Fall</strong></td>
<td>15 hrs</td>
</tr>
<tr>
<td>ART 2301C</td>
<td>Drawing Fundamentals II</td>
</tr>
<tr>
<td>DIG 2030</td>
<td>Digital Video Fundamentals</td>
</tr>
<tr>
<td>DIG 2109</td>
<td>Digital Imaging Fundamentals</td>
</tr>
<tr>
<td>DIG 2500</td>
<td>Fundamentals of Interactive Design</td>
</tr>
<tr>
<td><strong>Sophomore Year - Spring</strong></td>
<td>15 hrs</td>
</tr>
<tr>
<td>DIG 3024</td>
<td>Digital Cultures &amp; Narrative</td>
</tr>
<tr>
<td>DIG 3450</td>
<td>Computer as a Medium</td>
</tr>
<tr>
<td>DIG 3525</td>
<td>Digital Media Production I</td>
</tr>
<tr>
<td>DIG 4780C</td>
<td>Modeling for Realtime Systems</td>
</tr>
<tr>
<td>GRA 2101C</td>
<td>Introduction to Computer Art</td>
</tr>
<tr>
<td><strong>Sophomore Year - Summer</strong></td>
<td>6 hrs</td>
</tr>
<tr>
<td>GEP Social Foundation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP Social Foundation</td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>Junior Year - Fall</strong></td>
<td>12 hrs</td>
</tr>
<tr>
<td>ART 3643C</td>
<td>Digital Effects &amp; Compositing</td>
</tr>
<tr>
<td>DIG 3355C</td>
<td>Artificial Environments and Effects</td>
</tr>
<tr>
<td>DIG 3433C</td>
<td>Visual Storytelling and Visual Development</td>
</tr>
<tr>
<td>DIG 3951</td>
<td>Character Animation Portfolio Review</td>
</tr>
<tr>
<td>FIL 3720C</td>
<td>Introduction to Animation</td>
</tr>
<tr>
<td><strong>Junior Year - Spring</strong></td>
<td>15 hrs</td>
</tr>
<tr>
<td>DIG 4325C</td>
<td>Look Modeling Workshop</td>
</tr>
<tr>
<td>DIG 4326C</td>
<td>Geometrical Modeling Workshop</td>
</tr>
<tr>
<td>DIG 4359C</td>
<td>Artificial Environments and Effects</td>
</tr>
<tr>
<td>FIL 3734C</td>
<td>Intermediate Animation</td>
</tr>
<tr>
<td><strong>Senior Year - Fall</strong></td>
<td>13 hrs</td>
</tr>
<tr>
<td>FIL 4735C</td>
<td>Experimental Animation</td>
</tr>
<tr>
<td><strong>Senior Year - Summer</strong></td>
<td>4 hrs</td>
</tr>
<tr>
<td><strong>Freshman Year - Fall</strong></td>
<td>16 hrs</td>
</tr>
<tr>
<td>ARH 2050</td>
<td>History of Western Art I</td>
</tr>
<tr>
<td>ENC 1101</td>
<td>Composition I</td>
</tr>
<tr>
<td>MAC 1105C</td>
<td>College Algebra</td>
</tr>
<tr>
<td>GEP Social Foundation</td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>Freshman Year - Summer</strong></td>
<td>6 hrs</td>
</tr>
<tr>
<td>GEP Communication Foundation</td>
<td>3 hrs</td>
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<tr>
<td>GEP Cultural &amp; Historical Foundation</td>
<td>3 hrs</td>
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<tr>
<td><strong>Sophomore Year - Fall</strong></td>
<td>15 hrs</td>
</tr>
<tr>
<td>ART 2300C</td>
<td>Design Fundamentals-Three Dimensional</td>
</tr>
<tr>
<td>DIG 2300C</td>
<td>Drawing Fundamentals I</td>
</tr>
<tr>
<td>DIG 2030</td>
<td>Digital Video Fundamentals</td>
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<tr>
<td>DIG 2109</td>
<td>Digital Imaging Fundamentals</td>
</tr>
<tr>
<td>DIG 2500</td>
<td>Fundamentals of Interactive Design</td>
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<tr>
<td><strong>Sophomore Year - Spring</strong></td>
<td>12 hrs</td>
</tr>
<tr>
<td>DIG 3024</td>
<td>Digital Cultures &amp; Narrative</td>
</tr>
<tr>
<td>DIG 3450</td>
<td>Computer as a Medium</td>
</tr>
<tr>
<td>DIG 3525</td>
<td>Digital Media Production I</td>
</tr>
<tr>
<td>DIG 4780C</td>
<td>Modeling for Realtime Systems</td>
</tr>
<tr>
<td>DIG 3480</td>
<td>Computer as a Medium</td>
</tr>
<tr>
<td>GRA 2101C</td>
<td>Introduction to Computer Art</td>
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<tr>
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<tr>
<td>ART 3643C</td>
<td>Digital Effects &amp; Compositing</td>
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<tr>
<td>ART 3950</td>
<td>Portfolio Review</td>
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<tr>
<td>DIG 3024</td>
<td>Digital Cultures &amp; Narrative</td>
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<tr>
<td>DIG 4325C</td>
<td>Look Modeling Workshop</td>
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<tr>
<td>DIG 4326C</td>
<td>Geometrical Modeling Workshop</td>
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<tr>
<td>FIL 3720C</td>
<td>Introduction to Animation</td>
</tr>
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<td><strong>Junior Year - Summer</strong></td>
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<td><strong>Senior Year - Fall</strong></td>
<td>13 hrs</td>
</tr>
<tr>
<td>FIL 4735C</td>
<td>Experimental Animation</td>
</tr>
<tr>
<td><strong>Senior Year - Summer</strong></td>
<td>4 hrs</td>
</tr>
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</table>
UCF Degree Programs

Senior Year - Spring 12 hrs
ART 4935 BFA Exhibit/Seminar 3 hrs
FIL 4790C Experimental Animation Workshop 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs

Graphic Design
Freshman Year - Fall 15 hrs
ART 2050 History of Western Art I 3 hrs
ENC 1101 Composition I 3 hrs
MAC 1105C College Algebra 3 hrs
GEP Cultural & Historical Foundation 3 hrs
GEP Social Foundation 3 hrs

Freshman Year - Spring 13 hrs
ART 2051 History of Western Art II 3 hrs
COP 2500C Concepts in Computer Science 4 hrs
ENC 1102 Composition II 3 hrs
GEP Social Foundation 3 hrs

Freshman Year - Summer 6 hrs
GEP Science Foundation 3 hrs
GEP Science Foundation 3 hrs

Sophomore Year - Fall 15 hrs
ART 2201C Design Fundamentals-Two Dimensional 3 hrs
ART 2300C Drawing Fundamentals I 3 hrs
DIG 2000 Introduction to Digital Media 3 hrs
GRA 2101C Introduction to Computer Art 3 hrs
GEP Communication Foundation 3 hrs

Sophomore Year - Spring 15 hrs
ART 2203C Design Fundamentals-Three Dimensional 3 hrs
ART 2301C Drawing Fundamentals II 3 hrs
DIG 2030 Digital Video Fundamentals 3 hrs
DIG 2109 Digital Imaging Fundamentals 3 hrs
DIG 2500 Fundamentals of Interactive Design 3 hrs

Sophomore Year - Summer 8 hrs
Foreign Language Elementary Level I 4 hrs
Foreign Language Elementary Level II 4 hrs

Junior Year - Fall 12 hrs
DIG 3480 Computer as a Medium 3 hrs
GRA 3102C Intermediate Graphic Design I 3 hrs
GRA 3202C Type & Design 3 hrs
GRA 3950 Graphic Design Portfolio Application 0 hrs
Any 2000-4000 Level Art Studio or Media Course 3 hrs

Junior Year - Spring 15 hrs
DIG 4780C Modeling for Realtime Systems 3 hrs
GRA 3112C Intermediate Graphic Design II 3 hrs
GRA 3803C Intermediate Computer Graphic Design 3 hrs
Restricted Elective 3 hrs
ARH Upper Level Restricted Elective

Senior Year - Fall 15 hrs
DIG 3024 Digital Cultures & Narrative 3 hrs
GRA 4196C Advanced Graphic Design 3 hrs
ARH Upper Level Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs

Senior Year - Spring 12 hrs
DIG 3525 Digital Media Production I 3 hrs
GRA 4197C Problems in Graphic Design 3 hrs
Restricted Elective 3 hrs
ARH Upper Level Restricted Elective 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $31.50 per term
- Full-Time Student: $63 per term

Art - History Track (B.A.)
College of Arts and Humanities
School of Visual Arts and Design, Visual Arts Building, Room: 117
http://svad.cah.ucf.edu/
Email: svadadvising@ucf.edu
Phone: 407-823-2676

The School affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, Art courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Visual Arts and Design. Nine of these must be in an area of ARH specialization.
- Grades below “C” (2.0) in lower level courses do not satisfy major requirements.
- Co-op credit cannot be used in the major.
- Students should consult with a School advisor at least once annually.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   Required ARH 2050 History of Western Art I 3 hrs
   Required ARH 2051 History of Western Art II 3 hrs
   Select a course from group B.1 3 hrs

   C: Mathematical Foundations (6 hrs)
   Math:
   Suggested MGF 1106 Finite Mathematics or 3 hrs
   Suggested MGF 1107 Explorations in Mathematics or 3 hrs
   You may substitute a higher level math with appropriate scores on the Math Placement Exam.

   Statistics - Computers 3 hrs
   Select a course from GEP C.2 list 3 hrs

2. Social Foundations (6 hrs)
   E: Science Foundations (6 hrs)
   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   ARH 2050 History of Western Art I GEP
   ARH 2051 History of Western Art II GEP
   ART 2201C Design Fundamentals-Two Dimensional 3 hrs
   ART 2300C Drawing Fundamentals I 3 hrs

3. Core Requirements: Basic Level (3 hrs)
   ARH 2500 History of Non-Western Art 3 hrs

4. Core Requirements: Advanced Level (15 hrs)
   ARH 4310 Italian Renaissance Art 3 hrs
   ARH 4430 19th Century Art 3 hrs
   ARH 4450 20th Century Art 3 hrs
   ARH 4800 Theory and Criticism of the Visual Arts 3 hrs
   ENC 3315 Argumentative Writing 3 hrs
5. Restricted Electives (24 hrs)
Select one Non-Western/Ancient Art History 3 hrs

Course from the following:
- ARH 3670 20th Century Latin American Art 3 hrs
- ARH 4130 Greek Art and Architecture 3 hrs
- ARH 4150 Roman Art and Architecture 3 hrs
- ARH 4540 Art of India 3 hrs
- ARH 4653 Meso American Art 3 hrs

One of the following courses: 3 hrs
- ARH 4200 Medieval Art 3 hrs
- ARH 4350 Baroque Art 3 hrs
- ARH 4871 Women in Art 3 hrs

Select 18 additional hours from the following: 18 hrs
- ARH 3471 Art in the Last 25 Years 3 hrs
- ARH 3610 American Art 3 hrs
- ARH 3670 20th Century Latin American Art 3 hrs
- ARH 3710 History of Photography I 3 hrs
- ARH 3713 20th Century Photographic History 3 hrs
- ARH 3720 History of Prints 3 hrs
- ARH 3728 History of Illustration 3 hrs
- ARH 3820 Visual Arts Administration Vitas 3 hrs
- ARH 4130 Greek Art and Architecture 3 hrs
- ARH 4150 Roman Art and Architecture 3 hrs
- ARH 4200 Medieval Art 3 hrs
- ARH 4350 Baroque Art 3 hrs
- ARH 4352 Italian Baroque Art 3 hrs
- ARH 4653 Meso American Art 3 hrs
- ARH 4871 Women in Art 3 hrs
- ARH 5897 Advanced Seminar in Art History 3 hrs
- ARH 3XXX-4XXX Additional Art History course 3 hrs

6. Capstone Requirements
   - None

7. Foreign Language Requirements

Admissions
   - Met by graduation requirement.

Graduation
   - Proficiency equivalent to three semesters of college instruction in a single foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. German, French or Italian preferred, although other languages are acceptable with prior consent of advisor.

   Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
   - Select primarily from upper level courses after meeting with a school advisor. Courses may be outside the department.

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - Achieve at least a “C” (2.0) GPA average in courses in the major.
    - Computer Competency met by one of the following:
      - STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
      - GRA 2101C Introduction to Computer Art 3 hrs
      - ARH 3820 Visual Arts Administration Vitas 3 hrs

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF.
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
   - 120

Honors In Major
   - None

Related Programs
   - Art Education
   - Art - Studio Art Track
   - Art - Visual Arts and Emerging Media Management Track

Certificates
   - None

Related Minors
   - Art - Studio
   - Community Arts - PAVE

Advising Notes
   - http://svad.cah.ucf.edu/students
   - svadadvising@ucf.edu

Transfer Notes
   - Lower division courses do not substitute for upper division courses.
   - Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
   - None

Plan of Study

Freshman Year - Fall 15 hrs
   - ARH 2050 History of Western Art I 3 hrs
   - ENC 1101 Composition I 3 hrs
   - GEP Social Foundation 3 hrs
   - Elective 3 hrs

Freshman Year - Spring 15 hrs
   - ARH 2500 History of Non-Western Art 3 hrs
   - ENC 1102 Composition II 3 hrs
   - GEP Mathematical Foundation 3 hrs
   - Elective 3 hrs

Freshman Year - Summer 8 hrs
   - Foreign Language Elementary Level I 4 hrs
   - Foreign Language Elementary Level II 4 hrs

Sophomore Year - Fall 15 hrs
   - ART 2201C Design Fundamentals-Two Dimensional 3 hrs
   - ENC 3315 Argumentative Writing 3 hrs
   - ARH Restricted Elective 3 hrs
   - GEP Communication Foundation 3 hrs
   - GEP Science Foundation 3 hrs

Sophomore Year - Spring 15 hrs
   - ART 2300C Drawing Fundamentals I 3 hrs
   - Foreign Language Intermediate I 3 hrs
   - GEP Cultural & Historical Foundation 3 hrs
   - GEP Science Foundation 3 hrs
   - ARH Restricted Elective 3 hrs

Junior Year - Fall 15 hrs
   - ARH 4430 19th Century Art 3 hrs
   - ARH (Non-Western/Ancient) 3 hrs
   - ARH Restricted Elective 3 hrs
   - Elective 3 hrs
   - Upper Level Elective 3 hrs

Junior Year - Spring 12 hrs
   - ARH 4310 Italian Renaissance Art 3 hrs
   - ARH Restricted Elective 3 hrs
   - Elective 3 hrs
   - Upper Level Elective 3 hrs

Senior Year - Fall 15 hrs
   - ARH 4800 Theory and Criticism of the Visual Arts 3 hrs
   - Elective 3 hrs
   - Upper Level Elective 3 hrs
   - ARH Restricted Elective 3 hrs

Senior Year - Spring 15 hrs
   - ARH 4450 20th Century Art 3 hrs
   - Elective 3 hrs
   - Elective 3 hrs
   - Upper Level Elective 3 hrs
   - ARH Restricted Elective 3 hrs

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UNIVERSITY OF CENTRAL FLORIDA

133 Undergraduate Catalog 2016-2017
Art - Studio Art Track (B.F.A.)

College of Arts and Humanities
School of Visual Arts and Design,
Visual Arts Building, Room: 117
http://svad.cah.ucf.edu/
Email: svadvising@ucf.edu
Phone: 407-823-2676

The BFA degree prepares students for professional practices and is recommended for students who plan to attend graduate school. The BFA degree provides a solid foundation in techniques and theory in focused areas of competence. The School affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, Art courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

Admission Requirements
- All students in this program must satisfactorily complete the mandatory ART 3950-Portfolio Review before enrolling in upper division ART courses. This portfolio is typically submitted the semester prior to enrolling in upper division ART courses. The Spring review takes place in the first week of March. The Fall review takes place in the first week of October.
- Students unable to satisfactorily complete ART 3950-Portfolio Review may continue in the Art History or the Visual Art and Emerging Media Management tracks.
- Students may apply to the BFA Program as early as the first semester of their Junior year if they maintain a 3.0 overall average in upper level courses in the major. Students who do not meet these requirements may petition the BFA committee for acceptance.
- "C-" (1.75) or below grades from other institutions do not qualify for consideration.
- Note: One-on-one portfolio reviews are not possible due to the number of received portfolios.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog by filing a catalog change with their degree change form.
- Students unable to satisfactorily complete ART 3950-Portfolio Review may continue in the Art History or the Visual Art and Emerging Media Management tracks.
- Students may apply to the BFA Program as early as the first semester of their Junior year if they maintain a 3.0 overall average in upper level courses in the major. Students who do not meet these requirements may petition the BFA committee for acceptance.
- "C-" (1.75) or below grades from other institutions do not qualify for consideration.
- Note: One-on-one portfolio reviews are not possible due to the number of received portfolios.

Equipment Fees
- Part-Time Student: $31.50 per term
- Full-Time Student: $63 per term

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oecs.ucf.edu/alic/academic_learning_compacts.htm

Program Requirements

A: Communication Foundations (9 hrs)
1. UCF General Education Program (GEP) (36 hrs)
   - (Required courses: ARH 2050 History of Western Art I and ARH 2051 History of Western Art II)
   - Select a course from Group B.1

B: Cultural & Historical Foundations (9 hrs)
   - Required ARH 2050 History of Western Art I and ARH 2051 History of Western Art II
   - Select a course from Group B.1

C: Mathematical Foundations (6 hrs)
   - Select 1:
     1. STA 1063C Basic Statistics Using Microsoft Excel

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (18 hrs)
   - ARH 2050 History of Western Art I
     - MGF 1107 Finite Mathematics or MGF 1107 Explorations in Mathematics
     - STA 1063C Basic Statistics Using Microsoft Excel

3. Core Requirements: Basic Level (6 hrs)
   - ARH 2500 History of Non-Western Art
   - ARH 2823 Art as Interface

4. Core Requirements: Advanced Level (6 hrs)
   - ART 3950 Portfolio Review

5. Restricted Electives (42 hrs)
a. Specialization: 18 hrs
   - Select six upper division courses from one area:

   Book Arts
   - ART 3170C Book Binding or
   - ART 3171C Materials for Artist Books or
   - ART 3175C Advanced Issues in Contemporary Book Arts
   - ART 3176C The Illuminated Book or
   - ART 3737C Narrative Sculpture or
   - ART 4172C Book Repair and Restoration or
   - ART 4173C The Artist Book or
   - ART 4174C The Printed Book or
   - ART 4177C Commercial Book Design and Publishing or
   - ART 4644C Books Without Books

   Ceramics/Sculpture Combination
   - ART 3761C Intermediate Ceramics or
   - ART 3764C Ceramic Handbuilding I or
   - ART 4783C Advanced Ceramics or
   - ART 4786C Ceramic Raw Material or
   - ART 3709C Intermediate Sculpture or
   - ART 4710C Advanced Sculpture

   Drawing
   - ART 3332C Intermediate Drawing or
   - ART 4320C Advanced Drawing

   Drawing/Printmaking Combination
   - ART 3332C Intermediate Drawing or
   - ART 4320C Advanced Drawing or
   - ART 3433C Screenprinting or
   - ART 4402C Advanced Printmaking

   Drawing/Illustration Combination
   - ART 3332C Intermediate Drawing or
   - ART 4320C Advanced Drawing or
   - GRA 3747C Intermediate Illustration I or
   - GRA 4154C Advanced Illustration

   Painting
   - ART 3504C Intermediate Painting or
   - ART 4505C Advanced Painting

School of Visual Arts and Design,
College of Arts and Humanities
UNIVERSITY OF CENTRAL FLORIDA
### Plan of Study

#### Freshman Year - Fall
- ARH 2050  History of Western Art I  3 hrs
- ENC 1101  Composition I  3 hrs
- GEP Mathematical Foundation  3 hrs
- GEP Social Foundation  3 hrs
- Elective  3 hrs

#### Freshman Year - Spring
- ARH 2051  History of Western Art II  3 hrs
- ART 2201C  Design Fundamentals-Two Dimensional  3 hrs
- ENC 1102  Composition II  3 hrs
- GEP Mathematical Foundation  3 hrs
- GEP Social Foundation  3 hrs

#### Sophomore Year - Fall
- ART 2203C  Design Fundamentals-Three Dimensional  3 hrs
- ART 2300C  Drawing Fundamentals I  3 hrs
- ART 2823  Art as Interface  3 hrs
- GEP Communication Foundation  3 hrs
- GEP Science Foundation  3 hrs

#### Sophomore Year - Spring
- ARH 2500  History of Non-Western Art  3 hrs
- ART 2301C  Drawing Fundamentals II  3 hrs
- GRA 2101C  Introduction to Computer Art  3 hrs
- GEP Cultural & Historical Foundation  3 hrs
- GEP Science Foundation  3 hrs

#### Junior Year - Fall
- ART 3950  Portfolio Review  0 hrs
- Foreign Language Elementary Level 1  4 hrs
- Specialization Restricted Elective  3 hrs
- Any 2000-4000 Level Art Studio or Media Course  3 hrs

#### Junior Year - Spring
- ARH Upper Level Restricted Elective  3 hrs
- Foreign Language Elementary Level II  4 hrs
- Restricted Elective  3 hrs
- Specialization Restricted Elective  3 hrs
- Specialization Restricted Elective  3 hrs

#### Senior Year - Fall
- ARH Upper Level Restricted Elective  3 hrs
- Restricted Elective  3 hrs
- Specialization Restricted Elective  3 hrs
- Specialization Restricted Elective  3 hrs
- Upper Level Restricted Elective  3 hrs

#### Senior Year - Spring
- ART 4935  BFA Exhibit/Seminar  3 hrs
- Restricted Elective  3 hrs
- Restricted Elective  3 hrs
- Specialization Restricted Elective  3 hrs
- Upper Level Elective  3 hrs

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees
- Part-Time Student: $31.50 per term
- Full-Time Student: $63 per term
UCF Degree Programs

Art - Studio Track (B.A.)
College of Arts and Humanities
School of Visual Arts and Design,
Visual Arts Building, Room: 117

http://svad.cah.ucf.edu/
Email: svadadvising@ucf.edu
Phone: 407-823-2676

Note: Although the School maintains a computer lab for student use, students must have continual access to a laptop computer. Contact the School for the minimum hardware and software specifications. The School affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, Art courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

Admission Requirements
- All students in this program must satisfactorily complete the mandatory ART 3950 - Portfolio Review before enrolling in upper division ART courses. This portfolio is typically submitted the semester prior to enrolling in upper division ART courses. The Spring review takes place the first week of March. The Fall review takes place the first week of October.
- Note: One-on-one portfolio reviews are not possible due to the large number of received portfolios.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the School of Visual Arts and Design. Nine of these hours must be in an area of specialization.
- Grades below “C” (2.0) in lower level ART and ARH courses do not satisfy major requirements.
- Co-op credit cannot be used in the major.
- Students should consult with a School advisor at least once annually.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)
- Required ARH 2050 History of Western Art I 3 hrs
- Required ARH 2051 History of Western Art II 3 hrs
- Select a course from group B.1 3 hrs

C: Mathematical Foundations (6 hrs)

Math: 6 hrs
- Suggested MGF 1106 Finite Mathematics or 3 hrs
- Suggested MGF 1107 Explorations in Mathematics or 3 hrs
- You may substitute a higher level math with appropriate scores on the Math Placement Test.

Statistics - Computers 3 hrs
- Select a course from GEP C.2 list 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (18 hrs)

ARH 2050 History of Western Art I GEP
ARH 2051 History of Western Art II GEP
ART 2201C Design Fundamentals-Two Dimensional 3 hrs
ART 2202C Design Fundamentals-Three Dimensional 3 hrs
ART 2300C Drawing Fundamentals I 3 hrs
ART 2301C Drawing Fundamentals II 3 hrs
GRA 2101C Introduction to Computer Art 3 hrs
Any ART 2XXX-4XXX studio or media course. 3 hrs

3. Core Requirements: Basic Level (6 hrs)

ARH 2500 History of Non-Western Art 3 hrs
ART 2823 Art as Interface 3 hrs
ART 3950 Portfolio Review 0 hrs

4. Core Requirements: Advanced Level

None

5. Restricted Electives (27 hrs)
- Select nine upper division courses representative from at least three different areas:

Art History
Any upper-level ARH course(s)

Book Arts
- ART 3170C Book Binding 3 hrs
- ART 3171C Materials for Artist Books 3 hrs
- ART 3175C Advanced Issues in Contemporary Book Arts 3 hrs
- ART 3176C The Illuminated Book 3 hrs
- 1ART 3737C Narrative Sculpture 3 hrs
- ART 4172C Book Repair and Restoration 3 hrs
- ART 4173C The Artist Book 3 hrs
- ART 4174C The Printed Book 3 hrs
- ART 4177C Commercial Book Design and Publishing 3 hrs
- 1ART 4644C Books Without Books 3 hrs

1 May be repeated for credit.

Ceramics
- ART 3761C Intermediate Ceramics 3 hrs
- 1ART 4763C Advanced Ceramics 3 hrs

1 May be repeated for credit.

Drawing and Printmaking
- ART 3332C Intermediate Drawing 3 hrs
- ART 3433C Screenprinting 3 hrs
- 1ART 4320C Advanced Drawing 3 hrs
- 1ART 4402C Advanced Printmaking 3 hrs

1 May be repeated for credit.

Illustration
- GRA 3747C Intermediate Illustration I 3 hrs
- 1GRA 4154C Advanced Illustration 3 hrs

1 May be repeated for credit.

Painting
- ART 3504C Intermediate Painting 3 hrs
- 1ART 4505C Advanced Painting 3 hrs

1 May be repeated for credit.

Photography
- PGY 3410C Intermediate Photography 3 hrs
- 1PGY 4420C Advanced Photography 3 hrs
- PGY 4440C Special Problems in Photography 3 hrs

1 May be repeated for credit.

Sculpture
- ART 3709C Intermediate Sculpture 3 hrs
- 1ART 4710C Advanced Sculpture 3 hrs

1 May be repeated for credit.

Time Arts
- ART 3161 Mixed Media 3 hrs
- ART 3833C Processes and Ideas in Art 3 hrs
- ART 4634C Web Art 3 hrs
- 1FIL 4735C Experimental Animation 3 hrs
- 1FIL 4750C Experimental Animation Workshop 3 hrs

1 May be repeated for credit.

6. Capstone Requirements

None

7. Foreign Language Requirements

Admissions
- Met by graduation requirement.

Graduation
- Proficiency equivalent to one year of college instruction in a single foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.
### Degree Programs

#### UCF Degree Programs

8. Electives
   - Select primarily from upper level courses, with school advisor's approval. May be outside of the school. (A maximum of six hours of Independent Study, Directed Research, or Internship permitted.)

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - Achieve at least a GPA (2.0) overall in courses within the major.
    - Computer Competency met by:
      - STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
      - GRA 2101C Introduction to Computer Art 3 hrs

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF.
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

#### Total Semester Hours Required

- 120

#### Honors In Major

- None

#### Related Programs

- Art Education
- Art - Emerging Media Track

#### Certificates

- None

#### Related Minors

- Digital Media

#### Advising Notes

- http://svad.cah.ucf.edu/students
- svadadvising@ucf.edu

#### Transfer Notes

- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

#### Acceptable Substitutes for Transfer Courses

For common program prerequisites if taken.

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GRA 2101C Introduction to Computer Art</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Plan of Study

**Freshman Year - Fall**

- ARH 2050 History of Western Art I 3 hrs
- ENC 1101 Composition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- GEP Cultural & Historical Foundation 3 hrs

**Freshman Year - Spring**

- ARH 2051 History of Western Art II 3 hrs
- ART 2201C Design Fundamentals-Two Dimensional 3 hrs
- ART 2823 Art as Interface 3 hrs
- ENC 1102 Composition II 3 hrs
- STA 1063C Basic Statistics Using Microsoft Excel 3 hrs

**Sophomore Year - Fall**

- ARH 2500 History of Non-Western Art 3 hrs
- ART 2203C Design Fundamentals-Three Dimensional 3 hrs
- ART 2300C Drawing Fundamentals I 3 hrs
- GEP Science Foundation 3 hrs
- GEP Social Foundation 3 hrs

**Sophomore Year - Spring**

- ART 2301C Drawing Fundamentals II 3 hrs
- ARH 2500 History of Non-Western Art 3 hrs
- GRA 2101C Introduction to Computer Art 3 hrs
- GEP Communication Foundation 3 hrs
- GEP Science Foundation 3 hrs
- GEP Social Foundation 3 hrs

**Junior Year - Fall**

- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- ART 3950 Portfolio Review 0 hrs
- Foreign Language Elementary Level I 4 hrs
- Upper Level Elective 3 hrs
- Upper Level Elective 3 hrs

**Junior Year - Spring**

- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Foreign Language Elementary Level II 4 hrs
- Upper Level Elective 3 hrs
- Upper Level Elective 3 hrs

**Senior Year - Fall**

- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Upper Level Elective 3 hrs
- Upper Level Elective 3 hrs
- Any 2000-4000 Level Art Studio or Media Course 3 hrs

**Senior Year - Spring**

- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Upper Level Elective 3 hrs
- Upper Level Elective 3 hrs

#### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

#### Equipment Fees

- Part-Time Student: $31.50 per term
- Full-Time Student: $63 per term

### Art - Visual Arts and Emerging Media Management

#### Track (B.A.)

**College of Arts and Humanities**

**School of Visual Arts and Design,**

**Visual Arts Building, Room: 117**

http://svad.cah.ucf.edu/

Email: svadadvising@ucf.edu

Phone: 407-823-2676

The School affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, Art courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models. Note: Although the school maintains a computer lab for student use, majors must have continual access to a computer. Contact the program for the minimum hardware and software specifications.

#### Admission Requirements

- None

#### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Visual Arts and Design.
- All junior level students in this program must satisfactorily complete the mandatory ART 3950-Portfolio Review ONLY if they wish to enroll in upper division ART courses, otherwise, students in this program are not required to complete ART 3950-Portfolio Review. The Spring review takes place the first week of March. The Fall review takes place the first week of October.
- Students must earn at least a “C” (2.0) in each required course, except DIG 2000 as noted.

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- Co-op internship credits are not permitted in this major without prior written permission.
- Students should consult with a School advisor at least once annually.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

Take all of the following: 9 hrs

Suggested
- ARH 2050: History of Western Art I and
- ARH 2051: History of Western Art II and

Select a course from group B.1

Select a course from group B.2

C: Mathematical Foundations (6 hrs)

Math: 3 hrs

Suggested
- MGF 1106: Finite Mathematics or
- MGF 1107: Explorations in Mathematics

You may substitute a higher level math with appropriate scores on the Math Placement Exam.

Statistics - Computers 3 hrs

1 DIG 3563: Information Management and Entrepreneurship or
2 DIG 3716C: Internet Interaction or
3 DIG 4630C: Media Business Practices or
4 DIG 5565C: Digital Asset Management Systems or
5 FIL 4040: Animation Film History for Non Film Majors

1 These courses may also be applied toward an 18 credit Minor in Technological Entrepreneurship

Business 3 hrs

Select 1:
- MAR 3023: Marketing or
- MAN 3025: Management of Organizations or
- BUL 3130: Legal and Ethical Environment of Business

Arts Management 3 hrs

Select one:
- ARE 3944: Community Arts Practicum
- FIL 5612: Film and Internet Business
- ARE 4260: Methods in Art Administration
- ARH 3820: Visual Arts Administration Vistas
- FIL 4647: Film Production Management
- PGE 3480: Museum and Gallery Practices

6. Capstone Requirements

DIG 4855: Converging Media Capstone 3 hrs

7. Foreign Language Requirements

Admissions

- Met by graduation requirement

Graduation

- Proficiency equivalent to one year of college instruction in a single foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives

- (Credit hours are variable)

Select primarily from upper level courses, with school advisor's approval. May be outside of the school. (A maximum of six hours of Independent Study, Practicum, or Internship permitted)

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- None

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

120

Honors In Major

- None

Related Programs

- Art - History Track
- Art - Studio Art Track
- Art Education

Certificates

- None

Related Minors

- Community Arts - PAVE
- Digital Media
- Technological Entrepreneurship

Advising Notes

- http://svad.cah.ucf.edu/students
- svadadvising@ucf.edu
Art Education (B.S.)

College of Education and Human Performance
School of Teaching, Learning, and Leadership,
Education Building, Room: 209
http://education.ucf.edu/arted
Dr. Debra McGann, ED 122C, debra.mcgann@ucf.edu
Dr. Janet Andreasen, ED 123Q, Janet.Andreasen@ucf.edu

The Art Education B.S. program offers students the option of two tracks: Art Education - Education Track and Art Education - Lifelong Learning Track (non-certification). The Education Track is appropriate for students interested in opportunities for employment with formal, K-12 schools that require certification. The Lifelong Learning Track is appropriate for students seeking opportunities for employment outside formal, K-12 schools that do not require certification.

Admission Requirements

■ Complete the University General Education requirements or its equivalent, i.e. an AA degree from a Florida College System or State University System institution.
■ Complete all Education Common Program Prerequisite courses and Other Program Prerequisites with a minimum letter grade of “C-” (1.75) or better.
■ Meet the Gordon Rule Requirement.
■ Meet the Foreign Language Admission Requirement.
■ Have a minimum 2.5 overall GPA
■ Education Track: Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).
■ Lifelong Learning Track is a non-certification program and does not require the General Knowledge Test.

Degree Requirements

■ Students should see an advisor prior to registering for classes
■ The courses designated in 1. (General Education), 2. (Education Common Program Prerequisites), and 3. (Other Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
■ The Education Track is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. UCF General Education Program (GEP) (36 hrs)
■ Students are strongly advised to take the preferred courses.

A: Communication Foundations (9 hrs)
Required ENC 1101 Composition I 3 hrs
Required ENC 1102 Composition II 3 hrs
Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
Prefer AMH 2010 U.S. History: 1492-1877 3 hrs
1 Required ARH 2050 History of Western Art I 3 hrs

Select 1:
Prefer MUL 2010 Enjoyment of Music or 3 hrs
Prefer THE 2000 Theatre Survey or 3 hrs
Prefer PHI 2010 Introduction to Philosophy 3 hrs

1 A grade of “C-” (1.75) or better is required

C: Mathematical Foundations (6 hrs)
Prefer MGF 1106 Finite Mathematics 3 hrs

Select 1: 3 hrs
Prefer STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
Prefer STA 2014C Principles of Statistics 3 hrs

D: Social Foundations (6 hrs)
Prefer AMH 2020 U.S. History: 1877-Present 3 hrs
Prefer PSY 2012 General Psychology 3 hrs
**UCF Degree Programs**

### E: Science Foundations (6 hrs)
- Prefer: PSC 1121 Physical Science 
  - 3 hrs
- **Select 1:** 
  - 3 hrs
  - Prefer: ANT 2511 The Human Species or 
  - Prefer: BSC 1005 Biological Principles 
  - 3 hrs

**2. Common Program Prerequisites (CPP) (24 hrs)**

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- **EDF 2005** Introduction to the Teaching Profession 
  - 3 hrs
- **EDF 2085** Introduction to Diversity for Educators 
  - 3 hrs
- **EME 2040** Introduction to Technology for Educators 
  - 3 hrs
- **ART 2300C** Drawing Fundamentals I 
  - 3 hrs
- **ART 2201C** Design Fundamentals-Two Dimensional 
  - 3 hrs
- **ART 2203C** Design Fundamentals-Three Dimensional 
  - 3 hrs
- **ART 2301C** Drawing Fundamentals II 
  - 3 hrs
- **ARH 2050** History of Western Art I 
  - GEP
- **ARH 2051** History of Western Art II 
  - 3 hrs

### Lifelong Learning Track (6 hrs)
- MHS 2330 Career Planning 
  - 3 hrs
- **Select 1:**
  - EDF 2130 Child and Adolescent Development for Educators or 
  - EDP 2270 Adult Development & Learning 
  - 3 hrs

### 3. Core Requirements: Basic Level (12 hrs)

- **Education Track** requires 12 semester hours
- **Lifelong Learning Track** requires 12 semester hours

#### Lifelong Learning Track Specialization
- **ARH 2050** History of Western Art I 
  - GEP
- **ARH 2051** History of Western Art II 
  - GEP

### 4. Core Requirements: Advanced Level (42 hrs)

- **Education Track** requires 42 semester hours
- **Lifelong Learning Track** requires 42 semester hours

#### Education Core Requirements (15 hrs)
- **Education Track** requires 15 semester hours of Education Core Requirements
- **Lifelong Learning Track** requires 18 semester hours of Education Core Requirements

- **EDG 4410** Teaching Strategies and Classroom Management 
  - 3 hrs
- **EDF 4467** Learning Theory and Assessment 
  - 3 hrs
- **EDF 4603** Analysis and Application of Ethical, Legal, and Safety Issues in Schools 
  - 3 hrs
- **TSL 4080** Theory and Practice of Teaching ESOL Students in Schools 
  - 3 hrs
- **RED 4043** Content Reading in Kindergarten through Grade 12 
  - 3 hrs
- **EED 4041** Directed Field Experience 
  - 1 hr

#### Lifelong Learning Track (24 hrs)

- **EEX 4242** Teaching Exceptional Students in Secondary Settings 
  - 3 hrs

### Internship I (3 hrs)
- Prior to Internship I, the student must have completed EDG 4410 Teaching Strategies and Classroom Management, either ARE 4351 Teaching Art in the Elementary School or ARE 4352 Teaching Art in the Secondary School, and at least 50% of all required art courses indicated with a letter grade of “C” (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended during the first semester and before application to Internship I.
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.
- Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at [http://www.education.ucf.edu/clinicalexper/](http://www.education.ucf.edu/clinicalexper/)
- ARE 3940 Internship 
  - 3 hrs

### Internship II Block (12 hrs)
- All art courses and all methods courses must be completed with a letter grade of “C-” (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
- Passing scores on all sections [General Knowledge, Professional and Subject Area (Art K-12)] of the Florida Teacher Certification Examination (FTCE) are required prior to entry into Internship II.
- Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at [http://www.education.ucf.edu/clinicalexper/](http://www.education.ucf.edu/clinicalexper/)
- Satisfactory completion of Internship II requires the student to demonstrate proficiency in all Florida Educator Accomplished Practices in accordance with State Board of Education rule 6A-5.066.
- ARE 4941 Internship 
  - 9 hrs
- **ESE 4033C** Critical Issues and Trends in Secondary Education 
  - 3 hrs

### Lifelong Learning Track Specialization (24 hrs)

- Select preferred specialization courses with advisor approval. A minimum of nine (9) hours must be taken in the content area. Substitutions are allowed with advisor approval.
- A grade of “C-” (1.75) or better is required
- Must have a total of 48 or more hours of upper level courses to graduate.
- **ARE 4336** Teaching Art Appreciation & Criticism in the Classroom 
  - 3 hrs
- **ARE 4351** Teaching Art in the Elementary School 
  - 3 hrs
- **ARE 4250** Art for Exceptionalities 
  - 3 hrs
- **ARE 4453** Studio Experiences in Art Education 
  - 3 hrs
- **Any 3000 or 4000 level ART, ARE, ARH, PGY** (with advisor’s approval) 
  - 9 hrs

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**1** Prerequisite for Internship I (Education Track Only)

**Education Track Specialization Requirements (24 hrs)**

- **ARE 4336** Teaching Art Appreciation & Criticism in the Classroom 
  - 3 hrs
- **ARE 4351** Teaching Art in the Elementary School 
  - 3 hrs
- **ARE 4352** Teaching Art in the Secondary School 
  - 3 hrs
- **ARE 4250** Art for Exceptionalities 
  - 3 hrs
- **ARE 4453** Studio Experiences in Art Education 
  - 3 hrs
- **Any 3000 or 4000 level ART, ARE, ARH, PGY (with advisor’s approval)** 
  - 9 hrs
EXP 3604  Cognitive Psychology  4 hrs
EXP 3250  Principles of Human Factors Psychology  3 hrs
EAB 3703  Principles of Behavior Modification  4 hrs
MAN 3025  Management of Organizations  3 hrs
MAN 4101  Human Relations in Management  3 hrs
MAR 3023  Marketing  3 hrs
ECT 4184  Curriculum Development Techniques for Industry Training  3 hrs
HFT 1000  Introduction to the Hospitality and Tourism Industry  3 hrs
HFT 2750  The Event Industry  3 hrs
HFT 3798  Fairs and Festivals  3 hrs
HFT 4754  Exhibit and Trade Show Operations  3 hrs

5. Restricted Electives
None

6. Capstone Requirements
None

7. Foreign Language Requirements
Admissions
- State University System foreign language admission: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school)

Graduation
- Education Track requires 126 total semester hours
- Lifelong Learning Track requires 120 semester hours

8. Electives
None

9. Additional Requirements
None

10. Required Minors
None

11. Departmental Exit Requirements
- Achieve a minimum 2.5 GPA in all courses within the major.
- In courses throughout the program, you must upload key assignments into your LiveText Dashboard. These key assignments are then assessed by faculty. The resulting data provides evidence of your demonstrated professional growth, reflection, and proficiency in all Florida Educator Accomplished Practices. All teacher education candidates, lifelong learning majors and early childhood development and education majors (all ECDE tracks) are required to complete all LiveText requirements in order to be cleared for graduation. [http://livetext.education.ucf.edu/]

Education Track
- Pass all applicable sections of the Florida Teacher Certification Examination. Effective January 1, 2015, only examination results earned by educators within 10 years prior to the date of application for a new Florida Educator’s Certificate with the Florida Department of Education may be acceptable for certification eligibility requirements (SBE Rule 6A-4.002)

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
120

Honors In Major
None

Related Programs
None

Certificates
None

Related Minors
None

Advising Notes
- Education Track requires 126 total semester hours
- Lifelong Learning Track requires 120 semester hours
- Consult with your Education advisor and review your degree audit for more recent information.

Transfer Notes
None

Acceptable Substitutes for Transfer Courses
None

Plan of Study
- The program of study will be affected by course offerings and availability. Please see the Art Education Web site at [http://education.ucf.edu/arted/] for the advising policy.

Freshman Year - Fall
[http://education.ucf.edu/arted/]
15 hrs

AMH 2011 U.S. History: 1492-1877  3 hrs
ENC 1101  Composition I  3 hrs
MGF 1106  Finite Mathematics  3 hrs
ARY 2051  History of Western Art I  3 hrs
PSY 2012  General Psychology  3 hrs

Freshman Year - Spring
12 hrs

AMH 2020 U.S. History: 1877-Present  3 hrs
ENC 1102  Composition II  3 hrs
ART 2201C  Design Fundamentals-Two Dimensional  3 hrs

Freshman Year - Summer
6 hrs

SPC 1608  Fundamentals of Oral Communication  3 hrs
PSC 1121  Physical Science  3 hrs

Sophomore Year - Fall
12 hrs

ART 2203C  Design Fundamentals-Three Dimensional  3 hrs
BSC 1005  Biological Principles  3 hrs
EDF 2055  Introduction to the Teaching Profession  3 hrs

Sophomore Year - Spring
15 hrs

GRA 2101C  Introduction to Computer Art  3 hrs
ART 2300C  Drawing Fundamentals I  3 hrs
EDF 2085  Introduction to Diversity for Educators  3 hrs
EME 2040  Introduction to Technology for Educators  3 hrs

Select 1:
- STA 2014C  Principles of Statistics or  3 hrs
- STA 2063C  Basic Statistics Using Microsoft Excel  3 hrs

Sophomore Year - Summer
6 hrs

TSL 4080  Theory and Practice of Teaching ESOL  3 hrs

Junior Year - Fall
15 hrs

PGY 2401C  Beginning Photography  3 hrs
EDF 4467  Learning Theory and Assessment  3 hrs
EDG 4410  Teaching Strategies and Classroom Management  3 hrs
ART 2500C  Beginning Painting  3 hrs

Education Track
3 hrs

ARE 4356  Teaching Art Appreciation & Criticism in the Classroom  3 hrs

Lifelong Learning Track
3 hrs

Choose a Lifelong Learning Specialization course  3 hrs

Junior Year - Spring
15 hrs

RED 4043  Content Reading in Kindergarten through Grade 12  3 hrs

Education Track
12 hrs

Are 2352  Teaching Art in the Secondary School and  3 hrs
Are 2250  Art for Exceptionalities and  3 hrs
Are 4453  Studio Experiences in Art Education and Restricted Elective (Any Are/Arh/Pgy 3/4XXX w/ Advisor approval)  3 hrs
## UCF Degree Programs

### Lifelong Learning Track

**Lifelong Learning Track**

- MHS 2330  Career Planning and 3 hrs
- EEX 4242  Teaching Exceptional Students in Secondary Settings and 3 hrs

Choose a Lifelong Learning Specialization course 3 hrs

### Lifelong Learning Track Select 1:

- EDF 2130  Child and Adolescent Development for Educators or 3 hrs
- EDF 2270  Adult Development & Learning 3 hrs

1 Transfer Notes: Courses taken at Florida College System institutions may substitute for select courses in Other Program Requirements with the permission of the department.

### Junior Year - Summer

- ART 2754C  Beginning Ceramics 3 hrs

### Education Track

- Restricted Elective (Any ARE/ARH/ART/PGY 3/4XXX w/ Advisor approval) 3 hrs

### Lifelong Learning Track

- Choose a Lifelong Learning Specialization course 3 hrs

### Senior Year - Fall

- EDF 4603  Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs

### Education Track

- ARE 4351  Teaching Art in the Elementary School and 3 hrs
- ARE 3940  Internship and 3 hrs
- Restricted Elective (Any ARE/ARH/ART/PGY 3/4XXX w/ Advisor approval) 3 hrs

### Lifelong Learning Track

- Choose Lifelong Learning Specialization courses 9 hrs

### Senior Year - Spring

- ARE 4841  Internship and 9 hrs
- ESE 4033C  Critical Issues and Trends in Secondary Education 3 hrs

### Education Track

- Choose Lifelong Learning Specialization courses 9 hrs

### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees

- Part-Time Student: $12 per term
- Full-Time Student: $24 per term

### Athletic Training (B.S.)

- College of Health and Public Affairs
- Department of Health Professions, Health and Public Affairs II, Room: 118/119
- [http://www.cohpa.ucf.edu/athletictraining](http://www.cohpa.ucf.edu/athletictraining)
- Email: atinfo@ucf.edu
- Dr. Kristen C. Schellhase
- Phone: 407-823-2214

### Admission Requirements

- Students may only begin the Athletic Training Program in the Summer B semester.
- A separate application to this competitive restricted access program must be made to the Athletic Training Program by March 1st. Acceptance into the University for the summer semester is necessary before acceptance into the Athletic Training Program can occur. Acceptance into the University does not constitute acceptance into the Athletic Training Program.

- Students must meet the following requirements: a minimum of a 2.75 overall grade point average after all transfer courses are evaluated; a minimum grade of “C” (2.0) in the Common Program Prerequisites (CPP); and a minimum of 100 documented clock hours volunteering/shadowing with a certified athletic trainer (ATC) prior to application. At least 50 of these hours must be obtained within a high school, college, and/or professional setting.
- Completion of an AA degree from a Florida College or completion of UCF’s General Education Program (GEP) must occur before beginning the Athletic Training Program.
- The Athletic Training Program is work-intensive and courses include clinical practice in a variety of settings. Due to this intensity, it is strongly recommended that students be at least one year post high school prior to applying to the program.

### Technical Standards Requirement

- The Americans with Disabilities Act of 1990 provides comprehensive civil rights protection to people with disabilities. The ADA “prohibits all programs or activities receiving federal financial assistance from discrimination against individuals with disabilities who are ‘otherwise qualified’ to participate in those programs”. However, there are essential requirements needed in order for a person to meet the standard of care for the athletic training profession and meet licensing/certification requirements. The Supreme Court has stated that physical qualifications could lawfully be considered as “technical standard(s) for admission”.
- The institution/program may not exclude an “otherwise qualified” applicant due to a disability if the institution/program can reasonably modify the program or facilities to accommodate the student with the disability. The institution/program is not required to “fundamentally alter” the program nor create an “undue burden” on itself.
- The Athletic Training Program at the University of Central Florida is a rigorous and intense program that places specific requirements and demands on students. An objective of this program is to prepare graduates to enter a variety of employment settings and to render care to a wide spectrum of individuals engaged in physical activity. The technical standards set forth by the Athletic Training Program establish the physical, cognitive, and attitudinal abilities considered necessary for an entry level athletic trainer. Further, the technical standards attempt to reflect the necessary skills and abilities needed to meet the expectations of the Program’s accrediting agency (Commission on Accreditation of Athletic Training Education, or CAATE) and the Board of Certification (BOC(c)) Practice Analysis.
- The following abilities and expectations must be met by all students admitted to and matriculating through the UCF Athletic Training Program:
  1. Students must possess the mental capacity (without assistance from an intermediary) to integrate, synthesize, analyze, and problem solve in order to effectively examine and treat patients with injuries and illnesses. Students must be able to perform the above quickly in an emergency situation and a timely manner otherwise.
  2. Students must possess sufficient cognitive, postural and neuromuscular control, sensory function, ambulation, and coordination to perform appropriate patient examinations and interventions using accepted techniques, as well as accurately, safely, and efficiently use equipment and materials for such purposes. Students must be able to perform the above quickly in an emergency situation and it a timely manner otherwise.
  3. Students must annually pass examinations by external entities such as CPR for the Professional Rescuer (or similar certification) and OSHA Bloodborne Pathogens Training.
4. Students must possess the ability to communicate (orally and in writing) effectively and sensitively with patients and colleagues, including individuals from different cultural and social backgrounds. This includes, but is not limited to, the ability to establish rapport with patients and communicate/document judgments and treatment information effectively. Students must be able to understand and speak the English language at a level consistent with competent professional practice. Students must be able to perform the above quickly in an emergency situation and in a timely manner otherwise.

5. Students must be able to document appropriate vaccinations applicable to healthcare professionals and maintain appropriate personal hygiene conducive to the classroom and clinical setting.

6. Students must have the capacity to maintain composure, exercise good judgment, and perform within the standard of care for a student of the same educational level during periods of high stress.

Applicants to the Athletic Training Program will be required to verify that they understand and meet the above technical standards or that they believe that, with certain accommodations, they can meet these standards.

The University of Central Florida’s Student Disability Services will evaluate a student who states he/she could meet the Program’s technical standards with accommodation(s) and confirm that the stated condition qualifies as a disability under applicable laws. A review of the following will occur: whether the accommodation(s) requested is reasonable; whether accommodation would jeopardize clinician-patient safety; and whether the accommodation will jeopardize the educational process of the student (including all coursework, clinical experiences, and internships deemed essential to graduation). Compliance with the Program’s technical standards does not guarantee a student’s eligibility for the BOC(c) certification exam. Students with a concern, should contact the BOC(c) for the specific technical standards needed to take the certification examination (bocec.org).

Degree Requirements

Students who are accepted into the Program in Athletic Training must adopt the most current catalog.

Accepted students must agree to be available for practicum requirements which may occur during times and days which are outside of the UCF Academic Calendar; once admitted into the Athletic Training Program, students must consult the Clinical Education Coordinator and/or Program Director well in advance of any potential scheduling conflict.

The courses designated in sections 1 and 2 below may be taken at any Florida College System or State University System institution, and should usually be completed in the first 60 hours.

Graduates are eligible to apply to take the Board of Certification (BOC(c)) examination. The examination application requirements include criteria related to criminal history and academic disciplinary history. Applicants to the Program in Athletic Training are encouraged to investigate these requirements before beginning the Athletic Training Program.

1. UCF General Education Program (GEP) (38 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
      Required STA 2023 Statistical Methods I 3 hrs
      Suggested MAC 1140 College Trigonometry 3 hrs
   D: Social Foundations (6 hrs)
      Required PSY 2012 General Psychology 3 hrs

2. Common Program Prerequisites (CPP) (15 hrs)
   The following courses are required before entering the professional phase of the Program in Athletic Training. Each of the required courses must have a grade of a “C” (2.0) or better.

   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   BSC 2010C Biology I GEP
   ZOO 3733C Human Anatomy 4 hrs
   PCB 3703C Human Physiology 4 hrs
   HUN 2201 Fundamentals of Human Nutrition 3 hrs
   STA 2023 Statistical Methods I GEP
   PSY 2012 General Psychology GEP

   Select 1: 4 hrs
   One of the following courses must be taken as a prerequisite or co-requisite to core requirements:
   PHY 2053C College Physics I or 4 hrs
   PHY 2048C General Physics Using Calculus I 4 hrs

3. Core Requirements: Basic Level
   None

4. Core Requirements: Advanced Level (62 hrs)
   Professional Phase
   The following courses are required to complete the professional phase of the Program in Athletic Training. Each of the required courses must have a grade of “C” (2.0) or better.
   ATR 4014C Principles of Athletic Training Lab 3 hrs
   ATR 3102 Principles of Athletic Training 3 hrs
   ATR 3012C Clinical Skills for Athletic Trainers I 3 hrs
   ATR 3812L Practicum in Athletic Training I 4 hrs
   ATR 3212C Recognition and Evaluation of Athletic Injuries I 3 hrs
   PET 4315C Biomechanics of Sport 3 hrs
   ATR 3822L Practicum in Athletic Training II 4 hrs
   ATR 4213C Recognition and Evaluation of Athletic Injuries II 3 hrs
   ATR 3013C Clinical Skills for Athletic Training II 3 hrs
   ATR 4313C Therapeutic Exercise in Athletic Training 4 hrs
   ATR 4302C Therapeutic Modalities in Athletic Training 4 hrs
   ATR 4512C Organization and Administration of Athletic Training 3 hrs
   PET 3510C Physiologic & Metabolic Basis of Human Movement & Performance 3 hrs
   ATR 4315C Advanced Rehabilitation in Athletic Training 3 hrs
   ATR 4832L Practicum in Athletic Training III 4 hrs
   PET 4806 Applied Fitness in Sport 3 hrs
   ATR 4842L Practicum in Athletic Training IV 4 hrs
   ATR 4913 Case Studies in Sports Medicine 3 hrs
   ATR 4933 Athletic Training Seminar 1 hr
   ATR 4112L Acute Care in Athletic Training 1 hr

5. Restricted Electives
   None

6. Capstone Requirements
   None

7. Foreign Language Requirements

Admissions
   Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
   None

8. Electives
   Suggested electives relate to Health Sciences, Business, Education, Health Services Administration, Health Informatics and Information Management, Psychology, and Sport and Exercise Science.
   ATR 4940 Athletic Training Elective Internship 0 hrs
# UCF Degree Programs

## 9. Additional Requirements

- None

## 10. Required Minors

- None

## 11. Departmental Exit Requirements

- A minimum overall GPA of 2.75
- A minimum grade of "C" (2.0) in Common Program Prerequisite (CPP) and core requirement courses.
- Two years of successful clinical rotation under the direct supervision of an approved preceptor.

## 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

### Total Semester Hours Required

- 120

## 12.1 Honors in Major

- Students are encouraged to participate in Honors in the Major. Interested students should consult with the Program Director.

## Related Programs

- Sport and Exercise Science
- Health Services Administration
- Health Informatics and Information Management
- Health Sciences - Pre-Clinical Track

## Certificates

- None

## Related Minors

- Courses leading to a teaching certificate (education) are also appropriate. Electives in advanced scientific, clinical or quantitative subjects are also advisable.

## Business

- Accounting
- Aging Studies
- Biology
- Coaching
- Finance
- Marketing
- Management

## Public Administration

- Administration
- Education
- Sport Business Management

## Advising Notes

- Students should consult a departmental advisor regarding chemistry selection. CHM 2045 is the preferred chemistry course for students who intend to apply to graduate professional healthcare programs (e.g., physical therapy, physician assistant, medical).

## Transfer Notes

- When possible, students should complete an Associate of Arts (AA) degree and the Common Program Prerequisites (CPP) before transferring within the Florida College System or State University System.
- Students who transfer with an Associate of Arts (AA) degree and will be pursuing a Bachelor of Science degree must meet the University foreign language admission requirements for graduation.

## Acceptable Substitutes for Transfer Courses

- The Human Anatomy (ZOO 3733C) and Human Physiology (PCB 3703C) requirements can be satisfied by taking: both Human Anatomy and Physiology I and Human Anatomy and Physiology II (BSC X093 + L and X094 + L; or BSC X085 + L/C and X086 + L/C); or by taking both PET X322C and PET X323C; or by taking both APK X100C and APK X105C.

- Biology I with Lab (BSC X010 and BSC X010L; or BSC X010C)
- Physics I with Lab (PHY X053; or PHYX048 and X048L; or PHY X048C)
- For Athletic Training Program purposes, Fundamentals of Human Nutrition (HUN 2201) will be seen as equivalent to HUN X201, HUN X941, HUN X002, and HSCX577.
- For Athletic Training Program purposes, Statistical Methods I (STA 2023) will be seen as equivalent to STA X023, STA X122, and STA X201.
- General Psychology (PSY X012)

## Plan of Study

### Freshman Year - Fall

- ENC 1101 Composition I 3 hrs
- PSY 2012 General Psychology 3 hrs
- HSC 2000 Introduction to the Allied Health Professions 2 hrs
- MAC 1105C College Algebra 3 hrs

- 1 CHM 2045C Chemistry Fundamentals I 4 hrs

### Sophomore Year - Fall

- PHY 2053C College Physics I 4 hrs
- ZOO 3733C Human Anatomy 4 hrs
- STA 2023 Statistical Methods I 3 hrs
- GEP Historical 3 hrs

### Sophomore Year - Spring

- HUN 2201 Fundamentals of Human Nutrition 3 hrs
- PCB 3703C Human Physiology 4 hrs
- GEP Communication 3 hrs
- GEP Cultural 3 hrs
- GEP Historical 3 hrs

### Sophomore Year - Summer

- ATR 4014C Principles of Athletic Training Lab 3 hrs
- ATR 4313C Therapeutic Exercise in Athletic Training 3 hrs
- Foreign Language (If not satisfied in high school) 4 hrs

### Junior Year - Fall

- ATR 4812L Practicum in Athletic Training I 4 hrs
- ATR 3012C Clinical Skills for Athletic Trainers I 3 hrs
- ATR 3212C Recognition and Evaluation of Athletic Injuries I 3 hrs
- Free Elective if needed to maintain full-time status 3 hrs

### Junior Year - Spring

- ATR 4315C Advanced Rehabilitation in Athletic Training 3 hrs
- ATR 4302C Therapeutic Modalities in Athletic Training 4 hrs
- ATR 3812L Practicum in Athletic Training II 4 hrs
- ATR 4213C Recognition and Evaluation of Athletic Injuries II 3 hrs
- ATR 3013C Clinical Skills for Athletic Training II 3 hrs

### Junior Year - Summer

- ATR 4014C Principles of Athletic Training Lab 3 hrs
- ATR 4302C Therapeutic Modalities in Athletic Training 4 hrs
- ATR 4940 Athletic Training Elective Internship 0 hrs

### Senior Year - Fall

- ATR 4332L Practicum in Athletic Training III 4 hrs
- ATR 4302C Therapeutic Modalities in Athletic Training 4 hrs
- ATR 4512C Organization and Administration of Athletic Training 3 hrs
- PET 3510C Physiologic & Metabolic Basis of Human Movement & Performance 3 hrs
- ATR 4313C Advanced Rehabilitation in Athletic Training 3 hrs
- ATR 4495L Practicum in Athletic Training III 4 hrs

### Senior Year - Spring

- ATR 4303 Athletic Training Seminar 1 hr
- PET 4606 Applied Fitness in Sport 3 hrs
- ATR 4492L Practicum in Athletic Training IV 4 hrs
- ATR 4103 Case Studies in Sports Medicine 3 hrs
- ATR 4121L Acute Care in Athletic Training 1 hr

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**UNIVERSITY OF CENTRAL FLORIDA**

144 Undergraduate Catalog 2016-2017
Biology (B.S.)
College of Sciences
Department of Biology, BL, Room: 301
http://www.cos.ucf.edu/biology
Email: biology@ucf.edu
Phone: 407-823-2141

The Biology B.S. degree allows the student to choose coursework to be awarded the general Biology B.S. degree or to select a track in one (or more) of five areas, which are:- Biology, Evolutionary and Conservation Biology- Marine and Aquatic Biology- Plant Sciences-Pre-Health Professional Biology- Zoology and Pre-Veterinarian Science. These tracks are designed to align students with specific courses that will prepare them for the job market or more advanced study.

Admission Requirements
None

Degree Requirements
Students who change degree programs and select this major must adopt the most current catalog.

- No credit by exam (TSD, Military credit) may be used for the major.
- Co-op or internship credit cannot be used in this major
- All prerequisite courses taken from the UCF Department of Biology.

Departments seeking a double major must satisfy the requirements for both majors and must take no fewer than 40 semester hours of upper division restricted elective course work appropriate to the combined areas of specialization in the two majors.

Courses designated in 2 (Common Program Prerequisites) and 3 (Core Requirements) are usually completed in the first 60 hours.

A “C” (2.0) or better is required in all Core Courses with a BSC or PCB prefix.

- Students must achieve a minimum cumulative GPA of 2.0 in all UCF courses taken in the Common Program Prerequisites, the Biology Core and the Upper Division Restricted Electives.
- All prerequisites of courses taught within the College of Sciences will be enforced.

No more than 4 hours of Independent Study, Directed Research, or the following similar types of credit, may be applied toward major requirements:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 4422L Biology Laboratory Techniques</td>
<td>1 hr</td>
</tr>
<tr>
<td>BSC 4937 Instructional Experiences in Undergraduate Biology</td>
<td>2 hrs</td>
</tr>
</tbody>
</table>

Upon reaching junior standing (60 hours), Biology majors are expected to have completed the following courses and associated chemistry laboratories. These classes are prerequisites for advanced science classes and students entering the major without these classes will be unable to register for most of the advanced courses.

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 2010C Biology I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>BSC 2011C Biology II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 2045C Chemistry Fundamentals I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 2046 Chemistry Fundamentals II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2046L Chemistry Fundamentals Laboratory</td>
<td>1 hr</td>
</tr>
<tr>
<td>CHM 2210 Organic Chemistry I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2211 Organic Chemistry II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2211L Organic Laboratory Techniques I</td>
<td>2 hrs</td>
</tr>
<tr>
<td>PHY 2053C College Physics I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PHY 2054C College Physics II</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

1. UCF General Education Program (GEP) (38 hrs)

- Certain course must be selected in the GEP for this major, bringing the total GEP hours to more than 36.

- At least one course completed in each Foundation area must be a designated State General Education Core Course.

A: Communication Foundations (9 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required ENC 1101 Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Required ENC 1102 Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Preferred SPC 1603C Fundamentals of Technical Presentations</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

Mathematics:

- Prior to enrolling in Math, take Math Placement Test from http://utc.sdes.ucf.edu
- For students with a strong chemistry background and a high Math Placement score:

Required CHM 2045C Chemistry Fundamentals I | 4 hrs

or - Students with little chemistry background should take this two semester equivalent instead.

Required CHM 2040 Chemistry Fundamentals IA and Required CHM 2041 Chemistry Fundamentals IB | 3 hrs

2. Common Program Prerequisites (CPP) (16 hrs)

- Completion of the CPPs should take into account the GEP and Major requirements. Although other courses may satisfy the CPP, those identified in this section specifically satisfy the major requirements.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- See Transfer Notes for possible substitutes for the courses listed below.

Biology:

- A minimum grade of “C” (2.0) is required in these Biology courses to allow their use as a prerequisite. While a lower grade may satisfy the CPP, it will not satisfy the major.

Required BSC 2010C Biology I | GEP

Required BSC 211C Biology II | 4 hrs

Chemistry:

- Take Placement test before starting chemistry; http://knightsource.sdes.ucf.edu/placement

Required CHM 2045C Chemistry Fundamentals I | 4 hrs

or - both of the following:

CHM 2040 Chemistry Fundamentals IA and CHM 2041 Chemistry Fundamentals IB | 3 hrs

and - both of the following:

CHM 2046 Chemistry Fundamentals II | 3 hrs

CHM 2046L Chemistry Fundamentals Laboratory | 1 hr

Math:

- Select one math course and this statistics course.

Required MAC 2233 Concepts of Calculus or MAC 2253 Applied Calculus | GEP
UCF Degree Programs

Biology Advanced Core:
- A minimum grade of "C" (2.0) is required in these Biology courses to satisfy the requirement, and to allow their use as a course prerequisite.

Take all of the following:
- PCB 3233 Immunology 3 hrs
- PCB 3253 Applied Calculus or
- Preferred MAC 2311C Calculus with Analytic Geometry I and
- STA 2023 Statistical Methods I 3 hrs

3. Core Requirements: Basic Level (8 hrs)
- All courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core;

Biology Basic Core:
- A minimum grade of "C" (2.0) is required in these Biology courses to satisfy the requirement, and to allow their use as a course prerequisite.

Take all of the following:
- PCB 4514 Genetics II 3 hrs
- PCB 4402 Disease Ecology & Ecoimmunology 3 hrs
- PCB 3442 Aquatic Ecology 3 hrs
- PCB 3354 Tropical Ecology and Conservation 3 hrs
- PCB 3353L Principles of Field Ecology 2 hrs
- PCB 3344 Aquatic Ecology 3 hrs
- PCB 3312 Principles of Marine Biology 3 hrs
- PCB 4353 Florida Ecology, Natural History and Conservation 3 hrs
- PCB 4312C Advanced Marine Biology 4 hrs
- ENY 4004C General Entomology 4 hrs
- ZOO 3713C Comparative Vertebrate Anatomy 5 hrs
- ZOO 4426C Herpetology 4 hrs
- ZOO 4603C Embryology/Development 5 hrs

Biology Tracks
For each track the following apply:
- Student must complete at least one course dealing exclusively with zoology and one course dealing exclusively with botany.
- A minimum C (2.0) required in all courses in the track.
- A minimum C (2.0) overall required for the track.
- No substitutions are allowed.
- At least 10 hours of the Upper Division Restricted electives must be taken within the UCF Biology Department.
- Courses offered by the Department of Biology have been identified. Additional courses may be used to meet requirements with approval of the undergraduate program coordinator via petition.
- Transferred courses must be at a 3000 level or higher, and be evaluated by the undergraduate program coordinator, in order to count as an Upper Division Restricted Elective.
- Courses at the 5000 level are only open to seniors and beginning graduate students. Faculty teaching course must approve override.

5. Restricted Electives (22 hrs)

Biology B.S.: General Track 22 hrs
- A biology major who meets the GEP, core, lab, and upper division restricted electives requirements, as well as all UCF graduation requirements is eligible to receive a general B.S. in Biology.

Restricted Electives 22 hrs
Courses must be selected from the list below.
- 1 ANT 3550C Primatology 3 hrs
- 1 BCH 4054 Biochemistry II 3 hrs
- 2 BOT 3018C Culinary Botany Across the Cultures 3 hrs
- 2 BOT 3802 Ethnobotany 3 hrs
- 2 BOT 4223C Plant Anatomy 4 hrs
- 2 BOT 4303C Plant Kingdom 5 hrs
- 2 BOT 4434C General Mycology 4 hrs
- 2 BOT 4503 Plant Physiology 3 hrs
- 2 BOT 4713C Plant Taxonomy 5 hrs
- 2 BOT 4850 Medicinal Botany 3 hrs
- 2 BSC 3052 Conservation Biology 3 hrs
- 3 BSC 3312 Principles of Marine Biology 3 hrs
- 3 BSC 4312C Advanced Marine Biology 4 hrs
- 3 BSC 4330 Invasion Biology 3 hrs
- 3 BSC 4821 Biogeography 4 hrs
- 3 BSC 4861L Urban Ecological Field Studies 3 hrs
- 3 BSC 5258L Tropical Biology Research and Conservation 3 hrs
- 1 ENY 4004C General Entomology 4 hrs
- 1 ENY 5006C Entomology 4 hrs
- 1 MCB 3020C General Microbiology 5 hrs
- 1 PAZ 4234 Zoo and Aquarium Management 3 hrs
- 1 PCB 3343L Principles of Field Ecology 2 hrs
- 1 PCB 3353 Tropical Ecology and Conservation 3 hrs
- 1 PCB 3355L Tropical Marine Biology 2 hrs
- 1 PCB 3442 Aquatic Ecology 3 hrs
- 1 PCB 3453 Florida Ecology, Natural History and Conservation 3 hrs
- 3 PCB 5435C Marine Ecology of Florida 4 hrs
- 3 PCB 5485 Models in Ecology 3 hrs
- 3 PCB 5493 Immunology 3 hrs
- 3 PCB 3703C Human Physiology 4 hrs
- 3 PCB 4402 Disease Ecology & Ecoinmunology 3 hrs
- 3 PCB 4514 Genetics II 3 hrs
### Biology B.S.: Ecology, Evolutionary and Conservation Biology Track

#### Required Electives (choose two from the following): (6-8hrs)
- BSC 3052 Conservation Biology 3 hrs
- BSC 4821 Biogeography 4 hrs
- PCB 4684 Population Genetics 3 hrs
- ZOO 4310C Vertebrate Evolution & Ecology 4 hrs

#### Restricted Electives (choose from the following): (7-9hrs)
- BOT 4303C Plant Kingdom 5 hrs
- BSC 4330 Invasion Biology 3 hrs
- BSC 4821 Biogeography 4 hrs
- BSC 4611 Urban Ecological Field Studies 3 hrs
- PCB 3343L Principles of Field Ecology 2 hrs
- PCB 3544L Principles of Ecology Laboratory 1 hr
- PCB 3555L Tropical Marine Biology 2 hrs
- PCB 3442 Aquatic Ecology 3 hrs
- PCB 4353 Florida Ecology, Natural History and Conservation 3 hrs
- PCB 4514 Genetics II 3 hrs
- PCB 4676 Evolution and Medicine 3 hrs
- PCB 4684 Population Genetics 3 hrs
- PCB 5326C Ecosystems of Florida 5 hrs
- ZOO 3713C Comparative Vertebrate Anatomy 5 hrs
- ZOO 4310C Vertebrate Evolution & Ecology 4 hrs
- ZOO 4480 Mammalogy 4 hrs
- ZOO 4513 Animal Behavior 3 hrs

### Additional Biology Electives: (5-9hrs)
- Courses must be selected from the General Biology Track restricted elective list

### Biology B.S.: Marine and Aquatic Biology Track

#### Required Elective 3 hrs
- BSC 3312 Principles of Marine Biology 3 hrs

#### Restricted Electives (choose from the following): 12 hrs
- BSC 4312C Advanced Marine Biology 4 hrs
- BSC 4821 Biogeography 4 hrs
- OCE 3008 Oceanography 3 hrs
- PCB 3044L Principles of Ecology Laboratory 1 hr
- PCB 3355L Tropical Marine Biology 2 hrs
- PCB 3442 Aquatic Ecology 3 hrs
- PCB 4723 Animal Physiology 4 hrs
- PAZ 4234 Zoo and Aquarium Management 3 hrs
- ZOO 3713C Comparative Vertebrate Anatomy 5 hrs
- ZOO 4205C Biology and Ecology of Metazoan Invertebrates 4 hrs
- ZOO 4310C Vertebrate Evolution & Ecology 4 hrs
- ZOO 4480 Mammalogy 4 hrs
- ZOO 4513 Animal Behavior 3 hrs
- ZOO 5456C Ichthyology 4 hrs

### Additional Biology Electives: 7 hrs
- Courses must be selected from the General Biology Track restricted elective list

### Biology B.S.: Plant Sciences Track 22 hrs

#### Required Elective 3 hrs
- BOT 3802 Ethnobotany 3 hrs

#### Restricted Electives (choose from the following): 12 hrs
- BOT 3018C Culinary Botany Across the Cultures 3 hrs
- BOT 4850 Medicinal Botany 3 hrs
- BOT 4223C Plant Anatomy 4 hrs
- BOT 4503 Plant Physiology 3 hrs
- BOT 4713C Plant Taxonomy 5 hrs
- BSC 4330 Invasion Biology 3 hrs
- PCB 3354 Tropical Ecology and Conservation 3 hrs

### Additional Biology Electives: 7 hrs
- Courses must be selected from the General Biology Track restricted elective list

### Biology B.S.: Pre-Health Professional Biology 22 hrs

#### Track

##### Required Electives (choose two from the following): (9-10hrs)
- PCB 4723 Animal Physiology 4 hrs
- ZOO 3713C Comparative Vertebrate Anatomy 5 hrs
- ZOO 4603C Embryology/Development 5 hrs

##### Restricted Electives (choose from the following): (5-6hrs)
- BCH 4053 Biochemistry I 3 hrs
- BCH 4054 Biochemistry II 3 hrs
- BOT 4434C General Mycology 4 hrs
- BOT 4850 Medicinal Botany 3 hrs
- MCB 3020C General Microbiology 5 hrs
- PCB 3233 Immunology 3 hrs
- PCB 3703C Human Physiology 4 hrs
- PCB 4514 Genetics II 3 hrs
- PCB 4678 Evolution and Medicine 3 hrs
- PCB 4723 Animal Physiology 4 hrs
- ZOO 3713C Comparative Vertebrate Anatomy 5 hrs
- ZOO 3733C Human Anatomy 4 hrs
- ZOO 4205C Biology and Ecology of Metazoan Invertebrates 4 hrs
- ZOO 4513 Animal Behavior 3 hrs
- ZOO 4603C Embryology/Development 5 hrs
- ZOO 4753C Vertebrate Histology 4 hrs

### Additional Biology Electives (6-8hrs)
- Courses must be selected from the General Biology Track restricted elective list

### Biology B.S.: Zoology and Pre-Veterinarian Science Track

#### Required Electives (choose one from the following): (3-4hrs)
- PCB 4723 Animal Physiology 4 hrs
- ZOO 4513 Animal Behavior 3 hrs

#### Restricted Electives (choose from the following): (11-12hrs)
- ANT 3550C Primatology 3 hrs
- ENY 4004C General Entomology 4 hrs
- PAZ 4234 Zoo and Aquarium Management 3 hrs
- PCB 4723 Animal Physiology 4 hrs
- ZOO 3713C Comparative Vertebrate Anatomy 5 hrs
- ZOO 4205C Biology and Ecology of Metazoan Invertebrates 4 hrs
- ZOO 4310C Vertebrate Evolution & Ecology 4 hrs
- ZOO 4603C Embryology/Development 5 hrs
- ZOO 4480 Mammalogy 4 hrs

### Additional Biology Electives (6-8hrs)
- Courses must be selected from the General Biology Track restricted elective list

### 6. Capstone Requirements
- None
UCF Degree Programs

7. Foreign Language Requirements
   Admissions
   - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

   Graduation
   - None

8. Electives
   - Select primarily from upper level courses after consulting with your departmental advisor. May be outside of the department.

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - A “C” (2.0) or better is required in all Core Courses with a BSC or PCB prefix.
    - Students must achieve a minimum cumulative GPA of 2.0 in all UCF courses taken in the Common Program Prerequisites, the Biology Core and the Upper Division Restricted Electives.
    - All attempts of UCF courses that could meet requirements are included in the major GPA calculation. All attempts of UCF courses listed for the major taken beyond the minimum required are included in the GPA calculation (e.g., additional restricted electives taken beyond the required 22 hours).
    - Departmental Residency Requirement consists of at least 22 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Biology.
    - Students are required to pass the comprehensive exit exam in Biology. We recommend that this exam be taken as soon as you have completed all of the Biology core courses. A passing grade is determined as a scaled score greater than the bottom 10% of nation-wide test takers.
    - Students seeking a double major must satisfy the requirements for both majors and must take no fewer than 40 semester hours of upper division restricted elective course work appropriate to the combined areas of specialization in the two majors.
    - Biology majors are discouraged from taking courses as a transient student at a Florida college system institution, except in situations where the first semester of a two semester sequence has already been taken at a Florida College System institution.

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF.
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Environmental Engineering
- Biomedical Sciences
- Science Education - Biology
- Interdisciplinary Studies - Environmental Studies Track

Certificates
- None

Related Minors
- Biology
- Environmental Studies
- Biomedical Sciences

Advising Notes
- Students are urged to contact their departmental advisor before registering for courses.
- It is the student’s responsibility to ensure they have satisfied course prerequisites before registering for a class.

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit by the undergraduate program coordinator. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- Honors versions of courses will substitute for regular versions.
- The following substitutions are acceptable for common program prerequisites if taken as part of the AA course work. Although the CPP may be satisfied, prerequisites for subsequent Biology courses may still have to be met:
  - BSC 2010C: BSCX040/X040L
  - BSC 2011C: BSCX041/X041L; ZOOX010/X010L; BOTX010/X010L; BOTX013/X013L
  - CHM 2046/CHM 2046L: CHMX046C
  - Math/Statistics and Physics: Although a number of courses will satisfy the CPP, please refer to the catalog copy for the specific courses that are required in the program.

Plan of Study
- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Prior to enrolling in CHM 2045C, take Chemistry Placement Test. Instructions are at http://knightsource.sdes.ucf.edu/placement
- Prior to enrolling in Math, take Math Placement Test at http://utc.sdes.ucf.edu
- Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt

Freshman Year - Fall
- BSC 2010C Biology I 3 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- Math Course, depending on placement score 4 hrs
- ENC 1101 Composition I 3 hrs

Freshman Year - Spring
- BSC 2011C Biology II 4 hrs
- CHM 2046 Chemistry Fundamentals II 4 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- ENC 1102 Composition II 3 hrs
- Math Course 3 hrs

Freshman Year - Summer
- Math Course 4 hrs
- GEP 3 hrs

Sophomore Year - Fall
- CHM 2210 Organic Chemistry I 4 hrs
- PHY 2053C College Physics I 4 hrs
- GEP 3 hrs
- GEP 4 hrs

Sophomore Year - Spring
- CHM 2211 Organic Chemistry II 3 hrs
- GEP 3 hrs
- PCB 3044 Principles of Ecology 3 hrs
- PHY 2054C College Physics II 4 hrs

Sophomore Year - Summer
- CHM 2211L Organic Laboratory Techniques I 2 hrs
- GEP 3 hrs

UNIVERSITY OF CENTRAL FLORIDA

Undergraduate Catalog 2016-2017
Junior Year - Fall  15 hrs
STA 2023  Statistical Methods I  3 hrs
Botany Elective or Upper Division Biology Elective  4 hrs
Upper Division Biology  3 hrs
Free Elective  4 hrs

Junior Year - Spring  13 hrs
PCB 3083  Genetics  3 hrs
Zoology Elective or Botany Elective  4 hrs
Upper Division Biology Elective  3 hrs
Free Elective  3 hrs

Senior Year - Fall  11 hrs
PCB 4583  Evolutionary Biology  4 hrs
PCB 3023  Molecular Cell Biology  3 hrs
Upper Division Biology Lab  1 hr
Free Elective  3 hrs

Senior Year - Spring  14 hrs
Upper Division Biology Elective  4 hrs
Upper Division Biology Elective  4 hrs
Upper Division Biology Elective  3 hrs
Upper Division Biology Elective  3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oecas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $24.85 per term
- Full-Time Student: $49.70 per term

Biomedical Sciences (B.S.)
College of Medicine
Burnett School of Biomedical Sciences
Department of Molecular and Microbiology,
Health and Public Affairs II, Room: 335
http://www.biomed.ucf.edu
Email: bsbsadvising@ucf.edu
Dr. Griffith Parks, Director
Phone: 407-823-5932

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program before transferring within the Florida College System or State University System.
- Grades below "C" in Common Program Prerequisites, Core Requirements and Restricted Electives will not be accepted.
- Students in the Molecular and Cellular Biology or Molecular and Microbiology tracks must maintain a minimum GPA of 3.2 for courses in sections 2-5. Students who are unable to maintain such GPA must revert back into the non-track Biomedical Sciences B.S.
- Students should consult with a BSBS academic advisor at least once per semester.

1. UCF General Education Program (GEP)  (38 hrs)
- Certain courses must be selected in GEP for this major, bringing the total GEP hours to more than 36.

A: Communication Foundations  (9 hrs)
- Required ENC 1101  Composition I  3 hrs
- Required ENC 1102  Composition II  3 hrs
- Prefer SPC 1603C  Fundamentals of Technical Presentations  3 hrs

B: Cultural & Historical Foundations  (9 hrs)

C: Mathematical Foundations  (6 hrs)
- Required STA 2023  Statistical Methods I  3 hrs

Select 1:  3 hrs
- Suggested MAC 2311C  Calculus with Analytic Geometry I or
- Suggested MAC 2253  Applied Calculus  3 hrs

D: Social Foundations  (6 hrs)

E: Science Foundations  (8 hrs)
- Required BSC 2010C  Biology I  4 hrs
- Required CHM 2045C  Chemistry Fundamentals I  4 hrs

1) or CHM 2040 and CHM 2041

2. Common Program Prerequisites (CPP)  (24 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

BSC 2010C  Biology I  GEP
1) BSC 2011C  Biology II  4 hrs
2) CHM 2045C  Chemistry Fundamentals I  GEP
CHM 2046  Chemistry Fundamentals II  3 hrs
CHM 2046L  Chemistry Fundamentals Laboratory  1 hr
MAC 2311C  Calculus with Analytic Geometry I  GEP
STA 2023  Statistical Methods I  GEP
STA 2253  Statistical Methods II  3 hrs

Select one of the following sequences of courses:
- PHY 2053C  College Physics I and  4 hrs
- PHY 2054C  College Physics II  4 hrs
- PHY 2048C  General Physics Using Calculus I and  4 hrs
- PHY 2049C  General Physics Using Calculus II  4 hrs

1) This course is substituted with BSC 3403C.
2) See Transfer Notes for possible substitutions.

3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level

Biomedical Science (Non-Track)  25 hrs
- The following core courses are for students completing the general Biomedical Science degree.

Life Sciences  22 hrs
MCB 3020C  General Microbiology  5 hrs
BSC 3403C  Quantitative Biological Methods  4 hrs
PCB 3522  Molecular Biology I  3 hrs
PCB 4524  Molecular Biology II  3 hrs

Select 1:  3 hrs
MCB 4414  Microbial Metabolism or  3 hrs
MCB 4410  Cellular Metabolism  3 hrs

Select one of the following sequences of courses:
- PCB 4280  Molecular Immunology and  3 hrs
- PCB 3233L  Immunology Laboratory  1 hr

or
- PCB 3233  Immunology and  3 hrs
- PCB 3233L  Immunology Laboratory  1 hr

Chemistry  3 hrs
BCH 4053  Biochemistry I  3 hrs

Biomedical Science (Track Option)  34 hrs
- Students in the Molecular Microbiology and Molecular and Cellular Biology Tracks must complete the following courses in addition to completing 12 hours in their track core listed below.

BSC 3403C  Quantitative Biological Methods  4 hrs
MCB 3020C  General Microbiology  5 hrs
BCH 4053  Biochemistry I  3 hrs
PCB 3522  Molecular Biology I  3 hrs
PCB 3233L  Immunology Laboratory  1 hr
PCB 4280  Molecular Immunology  3 hrs
PCB 4524  Molecular Biology II  3 hrs
## Molecular and Cellular Biology Track Core 12 hrs

- MCB 4204 Cell Biology 3 hrs
- MCB 4404 General Microbiology 3 hrs
- MCB 4201 Molecular Genetics 3 hrs
- MCB 4414 Microbial Metabolism 3 hrs

### Biomedical Science (Non-Track) Electives 23 hrs

- ZOO 4742 Advanced Neurobiology 3 hrs
- ZOO 4605 Human Clinical Embryology and Congenital Techniques 3 hrs
- ZOO 3733C Human Anatomy 4 hrs
- ZOO 3744 Neurobiology 3 hrs
- ZOO 3755C Introductory Histology 4 hrs
- ZOO 4603 Embryology/Development 5 hrs
- ZOO 4605 Human Clinical Embryology and Congenital Techniques 3 hrs
- ZOO 4742 Advanced Neurobiology 3 hrs

### Molecular Microbiology Track Electives 11 hrs

- Must choose three (3) courses from the list below:
  - At least two (2) must have a laboratory component
  - MCB 3202 Principles of Infectious Disease 3 hrs
  - MCB 3203 Pathogenic Microbiology 3 hrs
  - MCB 4004 Bacterial Genetics and Physiology 3 hrs
  - PCB 4114C Determinative & Systemic Microbiology 4 hrs
  - PCB 4207 Infectious Processes 3 hrs
  - PCB 4204 Cellular Microbiology: Host-Pathogen Interactions 3 hrs
  - PCB 4206 Molecular and Cellular Pharmacology 3 hrs
  - PCB 4521C Tissue Engineering 3 hrs
  - PCB 5238 Immunobiology 3 hrs
  - PCB 5275 Signal Transmission Mechanics 3 hrs
  - PCB 5374 Neurobiology 3 hrs

### Additional Requirements

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

### Graduation

- None

### Electives

- Variable. Students are encouraged to participate in undergraduate research if interested in pursuing graduate or professional education.

### Additional Requirements

- None

## Molecular and Cellular Biology Track Electives 10 hrs

- Must choose three (3) electives from the list below:
  - At least one (1) must have a laboratory component
  - MCB 4721C Methods in Biotechnology 4 hrs
  - MCB 5225 Molecular Biology of Disease 3 hrs
  - PCB 4705 Human Physiology 4 hrs
  - PCB 4114C Determinative & Systemic Microbiology 4 hrs
  - PCB 4207 Infectious Processes 3 hrs
  - PCB 4206 Molecular and Cellular Pharmacology 3 hrs
  - PCB 4521C Tissue Engineering 3 hrs
  - PCB 4663 Human Genetics 3 hrs
  - PCB 4613 Molecular Aspects of Obesity, Diabetes & Metabolism 3 hrs
  - PCB 5238 Immunobiology 3 hrs
  - PCB 5275 Signal Transmission Mechanics 3 hrs
  - ZOO 3744 Neurobiology 3 hrs

An additional elective course can be chosen from either the list above or from the broader list of electives shown under Biomedical Science (Non-Track) Electives.

### Capstone Requirements

- None

### Foreign Language Requirements

- None
A minimum of 20 hours must be taken at UCF in the department of the major.
Students will be required to take a comprehensive test during their last semester.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- Application and admission through the Department and the Burnett Honors College.
- Fulfill University requirements for Honors in the Major and maintain a 3.2 UCF GPA; 3.5 in the major; 3.2 cumulative average for graded upper division courses regardless of the institution.
- Complete the following course with a grade of B or better (4 credits):
  - BIO 1113/1111, CHM 1045/1045L, or CHM 2045C Honors Quantitative Biological Methods 4 hrs
- Complete the following with a grade of B or better and successfully complete the oral defense of the Honors Thesis
  - BIO 4970 Honors Undergraduate Thesis II 1 hr

Related Programs
- Biology
- Biotechnology
- Chemistry
- Medical Laboratory Sciences

Certificates
- None

Related Minors
- Biology
- Chemistry

Advising Notes
- None

Transfer Notes
- Students who begin a two semester sequence course (e.g. General Chemistry) at a Florida College System institution are strongly encouraged to complete the sequence before transferring. If it will not be possible to complete the sequence before transferring, the student should postpone beginning the course until enrolling at UCF.
- Lower division courses do not substitute for upper division courses.

Acceptable Substitutes for Transfer Courses
- BSC 2011C Biology II 4 hrs
  - may be substituted with: BSC 3403
  - CHM 2045C Chemistry Fundamentals I 4 hrs
  - may be substituted with: CHM 2040
  - CHM 2045C Chemistry Fundamentals I 4 hrs
  - may be substituted with: CHM 2041

Plan of Study
Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- *MAC 2311C Calculus with Analytic Geometry I 4 hrs
- GEP 3 hrs

Sophomore Year - Fall
- CHM 2210 Organic Chemistry I 3 hrs
- MCB 3020C General Microbiology 5 hrs
- GEP 3 hrs

Select 1: 3 hrs
- STA 2023 Statistical Methods I or 3 hrs
- CGS 1090C Introduction to Computers 3 hrs

Sophomore Year - Spring
- CHM 2211 Organic Chemistry II 3 hrs
- BSC 3403C Quantitative Biological Methods 4 hrs
- GEP 3 hrs
- Restricted Elective or Elective 3 hrs

Select 1: 3 hrs
- CHM 2211L Organic Laboratory Techniques I or 2 hrs
- Elective 3 hrs

Sophomore Year - Summer
- Restricted Elective or Elective 9 hrs
- Elective 3 hrs

Select 1: 3 hrs
- CHM 2211L Organic Laboratory Techniques I or 2 hrs
- Elective 3 hrs

Junior Year - Fall
- PCB 3522 Molecular Biology I 3 hrs
- GEP 3 hrs
- Restricted Elective 3 hrs

Select 1: 4 hrs
- PHY 2053C College Physics I or 4 hrs
- *PHY 2048C General Physics Using Calculus I 4 hrs

Select 1: 3 hrs
- PCB 3233L and PCB 4280 Molecular Immunology or 4 hrs
- PCB 3233 or Restricted Elective 3 hrs

Seniors electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites

Junior Year - Spring
- PCB 4524 Molecular Biology II 3 hrs
- Restricted Elective 3 hrs

Select 1: 4 hrs
- PHY 2054C College Physics II or 4 hrs
- *PHY 2049C General Physics Using Calculus II 4 hrs

Select 1: 3 hrs
- PCB 3233L and PCB 4280 Molecular Immunology or 4 hrs
- PCB 3233 or Restricted Elective 3 hrs

Seniors electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites

Senior Year - Fall
- GEP 3 hrs
- Restricted Elective 3 hrs

Select 1: 3 hrs
- MCB 4414 Microbial Metabolism or 3 hrs
- BCH 4053 Biochemistry I 3 hrs

Select 1: 3 hrs
- PCB 3233L and PCB 4280 Molecular Immunology or 4 hrs
- PCB 3233 or Restricted Elective 3 hrs

Senior Year - Spring
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- GEP 3 hrs

Select 1: 3 hrs
- BCH 4053 Biochemistry I or 3 hrs
- MCB 4414 Microbial Metabolism 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $39 per term
- Full-Time Student: $78 per term

UNIVERSITY OF CENTRAL FLORIDA
UCF Degree Programs

Biomedical Sciences - Preprofessional
Concentration (B.S.)
College of Medicine
Burnett School of Biomedical Sciences
Department of Molecular and Microbiology,
Health and Public Affairs II, Room: 335

http://www.biomed.ucf.edu

Email: bsbsadvising@ucf.edu
Dr. Griffith Parks, Director
Phone: 407-823-5932

Students seeking admission to professional schools (medical, dental, optometry, veterinary, podiatry, and pharmacy) will meet all the admission requirements for those programs while obtaining a Molecular Biology and Microbiology degree.

Admission Requirements

■ None

Degree Requirements

■ Students who change degree programs and select this major must adopt the most current catalog.
■ Students should complete the General Education Program before transferring within the Florida College System or State University System.
■ Grades below “C” in Common Program Prerequisites, Core Requirements andRestricted Electives will not be accepted.
■ Students should consult with a BSBS academic advisor and the Office of Pre-Health and Pre-Law Advising at least once per semester.

1. UCF General Education Program (GEP) (36 hrs)
■ Note: Certain courses must be selected in GEP for this major, bringing the total GEP hours to more than 36.

A: Communication Foundations (9 hrs)
Required
BSC 2010C  Biology I  GEP
Required
BSC 2011C  Biology II  4 hrs
Preferred
SPC 1603C  Fundamentals of Technical Presentations

B: Cultural & Historical Foundations (9 hrs)
Required
ENC 1101C  Composition I  3 hrs
Required
ENC 1102  Composition II  3 hrs

C: Mathematical Foundations (6 hrs)
Required
STA 2023  Statistical Methods I  3 hrs

Select 1: 3 hrs
Required
CGS 1060C  Introduction to Computers or
Required
STA 2023  Statistical Methods I  3 hrs

D: Social Foundations (6 hrs)
Required
BSC 2010C  Biology I  4 hrs
Required
CHM 2045C  Chemistry Fundamentals I  4 hrs

2. Common Program Prerequisites (CPP) (16 hrs)
■ See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

BSC 2010C  Biology I  4 hrs
BSC 2011C  Biology II  4 hrs
CHM 2046L  Chemistry Fundamentals Laboratory  1 hr
MAC 2311C  Calculus with Analytic Geometry I  GEP

Select one of the following sequences of courses:

 PHY 2053C  College Physics I and  4 hrs
 PHY 2054C  College Physics II  4 hrs

or

 PHY 2048C  General Physics Using Calculus I and  4 hrs
 PHY 2049C  General Physics Using Calculus II  4 hrs

1 See Transfer Notes for possible substitutions

3. Core Requirements: Basic Level (10 hrs)
Life Sciences: Basic
SLS 2311C  Overview of Select Medical Careers  2 hrs

Math, Statistics, Computers
Select 1: 4 hrs
MAC 2311C  Calculus with Analytic Geometry I or
MAC 2253  Applied Calculus

Select 1: 3 hrs
STA 2023  Statistical Methods I or GEP
CGS 1060C  Introduction to Computers GEP

Chemistry
Take all of the following: 8 hrs
CHM 2210  Organic Chemistry I and 3 hrs
CHM 2211  Organic Chemistry II and 3 hrs
CHM 2211L  Organic Laboratory Techniques I  2 hrs

4. Core Requirements: Advanced Level (25 hrs)

Life Sciences: Advanced
MCB 3020C  General Microbiology  5 hrs
PCB 3522  Molecular Biology I  3 hrs
PCB 4524  Molecular Biology II  3 hrs
BSC 3403C  Quantitative Biological Methods  4 hrs

Select one of the following sequences of courses:

 PCB 4280  Molecular Immunology and  3 hrs
 PCB 3233L  Immunology Laboratory  1 hr
 or
 PCB 3233  Immunology and  3 hrs
 PCB 3233L  Immunology Laboratory  1 hr

Select 1: 3 hrs
MCB 4414  Microbial Metabolism or  3 hrs
MCB 4410  Cellular Metabolism  3 hrs

Chemistry
BCH 4653  Biochemistry I  3 hrs

5. Restricted Electives

7 courses minimum
■ Seven (7) courses from below, from which at least two must be a laboratory course. No more than two may be MLS courses. Enrollment in some MLS courses is restricted. Check with advisor before enrolling. Only three hours of Honors thesis will count towards restricted elective requirement.
■ Students in the preprofessional concentration of the Molecular Biology and Microbiology program are recommended to choose from the following restricted electives:
■ Students cannot choose more than two (2) of the following restricted electives: BCH 4054, BCH 4103L, PCB 3063, PCB 4514, ZOO 4603C.

MCB 4805  Molecular and Cellular Pharmacology  3 hrs
MCB 4970H  Honors Undergraduate Thesis II  3 hrs
MCB 5225  Molecular Biology of Disease  3 hrs
MLS 3305  Hematology  3 hrs
MLS 4334  Hemostasis  3 hrs
MLS 4430C  Clinical Parasitology  3 hrs
MLS 4505C  Immunodiagnosciics  3 hrs
PCB 3063  Genetics  3 hrs
PCB 3703C  Human Physiology  4 hrs
PCB 4028  Molecular and Cellular Pharmacology  3 hrs
PCB 4234  Cancer Biology  3 hrs
PCB 4284  Immunobiology  3 hrs
PCB 4514  Genetics II  3 hrs
PCB 4708L  Laboratory Virtual Simulations in Physiology  3 hrs
PCB 4805  Endocrinology  3 hrs
PCB 4832  Cellular and Molecular Basis of Brain Functions  3 hrs
PCB 4833  Advanced Human Physiology  3 hrs
ZOO 3701C  Human Gross Anatomy & Dissection  3 hrs
ZOO 3733C  Human Anatomy  4 hrs
ZOO 3744  Neurobiology  3 hrs

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ZOO 3755C Introductory Histology 4 hrs
ZOO 4603C Embryology/Development 5 hrs
ZOO 4605 Human Clinical Embryology and Congenital Malformation 3 hrs
ZOO 4742 Advanced Neurobiology 3 hrs
ZOO 4743C Clinical Neuroanatomy and Neuroscience 4 hrs
ZOO 4753C Vertebrate Histology 4 hrs
ZOO 4747C Clinical Neuroscience 4 hrs

1 Students must also select MCB 3203L Pathogenic Microbiology Lab in order for this combination to count as 1 restricted elective.

6. Capstone Requirements
■ None

7. Foreign Language Requirements
Admissions
■ Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
■ None

8. Electives
■ Variable

9. Additional Requirements
■ None

10. Required Minors
■ None

11. Departmental Exit Requirements
■ Student must complete all coursework in the baccalaureate curriculum as shown, and, earn a GPA of at least 2.0 for all coursework in the Prerequisites, Core and Restricted Electives.
■ Independent study, directed research, or similar credit may not be used as a Restricted Elective.
■ Minimum of 20 hours must be taken at UCF in the department of the major.
■ Students will be required to take a comprehensive test during their last semester.

12. University Minimum Exit Requirements
■ A 2.0 UCF GPA
■ 60 semester hours earned after CLEP awarded
■ 48 semester hours of upper division credit completed
■ 30 of the last 39 hours of course work must be completed in residency at UCF.
■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
■ Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
■ 120

Honors In Major
■ Application and admission through the Department and the Burnett Honors College.
■ Fulfill University requirements for Honors in the Major and maintain a 3.2 UCF GPA; 3.5 in the major; 3.2 cumulative average for graded upper division courses regardless of the institution.
■ Complete the following with a grade of B or better (4 credits) BSC 3403C Honors Quantitative Biological Methods 4 hrs
■ Complete the following with a grade of B or better and successfully complete the oral defense of the Honors Thesis (3 credits).
MCB 4970H Honors Undergraduate Thesis II 1 hr

Related Programs
■ Biology
■ Biotechnology
■ Chemistry
■ Medical Laboratory Sciences

Certificates
■ None

Related Minors
■ Biology
■ Chemistry

Advising Notes
■ None

Transfer Notes
■ Students who begin a two semester sequence course (e.g. General Chemistry) at a Florida College System institution are strongly encouraged to complete the sequence before transferring. If it will not be possible to complete the sequence before transferring, the student should postpone beginning the course until enrolling at UCF.
■ Lower division courses do not substitute for upper division courses.

Acceptable Substitutes for Transfer Courses
BSC 2011C Biology I 4 hrs
may be substituted with: BSC 3403C
CHM 2045C Chemistry Fundamentals I 4 hrs
may be substituted with: CHM 2040
CHM 2045C Chemistry Fundamentals I 4 hrs
may be substituted with: CHM 2041

Plan of Study
Freshman Year - Fall 16 hrs
ENC 1101 Composition I 3 hrs
CHM 2045C Chemistry Fundamentals I 4 hrs
1 MAC 2311C Calculus with Analytic Geometry I 4 hrs
SLS 2311C Overview of Select Medical Careers 2 hrs
GEP 3 hrs

 если или follow math sequence determined by Math Placement Exam

Freshman Year - Spring 14 hrs
ENC 1102 Composition II 3 hrs
CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory 1 hr
BSC 2010C Biology I 4 hrs
GEP 3 hrs
Select 1: 3 hrs
STA 2023 Statistical Methods I or 3 hrs
CGS 1060C Introduction to Computers 3 hrs

Sophomore Year - Fall 14 hrs
CHM 2210 Organic Chemistry I 3 hrs
MCB 3020C General Microbiology 5 hrs
GEP 3 hrs
Select 1: 3 hrs
CHM 2211L Organic Laboratory Techniques I or 2 hrs
Elective 3 hrs

Sophomore Year - Summer 9 hrs
Restricted Elective or Elective 3 hrs

Sophomore Year - Summer 9 hrs
Restricted Elective or Elective 3 hrs

Junior Year - Fall 13 hrs
PCB 3522 Molecular Biology I 3 hrs
GEP 3 hrs
Restricted Elective 3 hrs
Select 1: 3 hrs
PHY 2053C College Physics I or 4 hrs
1 PHY 2048C General Physics Using Calculus I 4 hrs

1 Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites.

Junior Year - Spring 13 hrs
PCB 4524 Molecular Biology II 3 hrs
Restricted Elective 3 hrs
Select 1: 4 hrs
1 PHY 2049C General Physics Using Calculus II or 4 hrs
PHY 2054C College Physics II 4 hrs

1 or follow math sequence determined by Math Placement Exam
UCF Degree Programs

Select 1: 3 hrs
PCB 3233L and PCB 4280 Molecular Immunology or
PCB 3233 or Restricted Elective

1 Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites.

Senior Year - Fall
GEP 3 hrs
Restricted Elective 3 hrs

Select 1: 3 hrs
MCB 4414 Microbial Metabolism or
BCH 4053 Biochemistry I

Select 1: 3 hrs
PhB 3233L and PCB 4280 Molecular Immunology or
PCB 3233 or Restricted Elective

Senior Year - Spring
GEP 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs

Select 1: 3 hrs
MCB 4414 Microbial Metabolism or
BCH 4053 Biochemistry I

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oesas.ucf.edu/acl/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $39 per term
- Full-Time Student: $78 per term

Biotechnology (B.S.)
College of Medicine
Burnett School of Biomedical Sciences
Department of Molecular and Microbiology,
Health and Public Affairs II, Room: 335
http://www.biomed.ucf.edu
Email: bsbsadvising@ucf.edu
Dr. Griffith Parks, Director
Phone: 407-823-5932

The Biotechnology B.S. produces highly trained workers that will meet the workforce needs of the biotechnology industry. Students seeking admission to professional schools (medical, dental, optometry, veterinary, podiatry, and pharmacy) will meet most of the admission requirements for those programs while obtaining a Biotechnology B.S. degree.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog
- Students should complete the General Education Program before transferring within the Florida College System or State University System.
- Students should consult with a BSBS academic advisor at least once per semester.
- Courses designated in section 1 below may be taken at a Florida College System institution, and should usually be completed in the first 60 hours
- Grades below "C" in Common Program Prerequisites, Core Requirements and Restricted Electives will not be accepted.

1. UCF General Education Program (GEP) (36 hrs)
A: Communication Foundations
Required ENC 1101 Composition I 3 hrs
Required ENC 1102 Composition II 3 hrs
Prefer SPC 1603C Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations
Required STA 2023 Statistical Methods I 3 hrs

Select 1: 4 hrs
Required MAC 2311C Calculus with Analytic Geometry I or
Required MAC 2253 Applied Calculus 3 hrs

D: Social Foundations (6 hrs)
E: Science Foundations
Required CHM 2045C Chemistry Fundamentals I 4 hrs
Required BSC 2010C Biology I 4 hrs

2. Common Program Prerequisites (CPP) (21 hrs)
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

BSC 2010C Biology I GEP
1 BSC 2011C Biology II 4 hrs
2 CHM 2045C Chemistry Fundamentals I GEP
CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2210 Organic Chemistry I 3 hrs
CHM 2211 Organic Chemistry II 3 hrs
STA 2023 Statistical Methods I GEP
MAC 2311C Calculus with Analytic Geometry I GEP
PHY 2053C College Physics I 4 hrs
PHY 2054C College Physics II 4 hrs

1 This course is substituted with BSC 3403C.
2 See Transfer Notes for possible substitutions.

3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level (52 hrs)
Life Sciences
MCB 3020C General Microbiology 5 hrs
PCB 3522 Molecular Biology I 3 hrs
PCB 4524 Molecular Biology II 3 hrs
BSC 3403C Quantitative Biological Methods 4 hrs
MCB 4721C Methods in Biotechnology 4 hrs
MCB 4720 Industrial Perspectives Seminar 3 hrs
MCB 4312 Molecular Biotechnology 3 hrs
PCB 4135 Applied Molecular Cell Biology 3 hrs
PCB 4174 Foundation of Bio-Imaging Science 3 hrs

Select one of the following sequences of courses:
PAC 2280 Molecular Immunology and 3 hrs
PCB 3233L Immunology Laboratory 1 hr
or.
PAC 3233 Immunology and 3 hrs
PCB 3233L Immunology Laboratory 1 hr

Select 1: 3 hrs
MCB 4414 Microbial Metabolism or
MCB 4410 Cellular Metabolism

Chemistry
BCH 4053 Biochemistry I 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory 1 hr
CHM 2211L Organic Laboratory Techniques I 2 hrs

Physics
Select one of the following sequences of courses:
PHY 2053C College Physics I and 4 hrs
PHY 2054C College Physics II 4 hrs
or.
PHY 2048C General Physics Using Calculus I and 4 hrs
PHY 2049C General Physics Using Calculus II 4 hrs

Math
Select 1: 3 hrs
MAC 2311C Calculus with Analytic Geometry I or
MAC 2253 Applied Calculus GEP

5. Restricted Electives (6 hrs)
- Two courses minimum, no more than one may be taken outside the Molecular Biology and Microbiology Department.
Each graduate must complete 3 credits of MCB 4912 or MCB 4970H or serve an internship. Only three hours of Honors thesis or undergraduate research will count toward the restrictive elective requirement.
6. Capstone Requirements

- Complete the following with a grade of B or better and successfully complete the oral defense of the Honors Thesis MCB 4970H Honors Undergraduate Thesis II 3 hrs

7. Foreign Language Requirements

Admissions

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

- None

8. Electives

- Variable

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- A student must complete all coursework in the baccalaureate curriculum as shown, and, earn a GPA of at least 2.0 for all coursework in the Prerequisites, Core and Restricted Electives.
- A minimum of 20 hours must be taken at UCF in the department of the major.
- Students will be required to take a comprehensive test during their last semester.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 120

Honors In Major

- Application and admission through the department and the Burnett Honors College
- Fulfill University requirements for Honors in the Major and maintain a 3.2 UCF GPA; 3.5 in the major; 3.2 cumulative average for graded upper division courses regardless of the institution
- Complete the following with a grade of B or better:
  - BSC 3403C Honors Quantitative Biological Methods 4 hrs

- Complete the following with a grade of B or better and successfully complete the oral defense of the Honors Thesis MCB 4970H Honors Undergraduate Thesis II 3 hrs

Related Programs

- Biology
- Chemistry
- Medical Laboratory Sciences
- Biomedical Sciences

Certificates

- None

Related Minors

- Biology
- Chemistry
- Biomedical Sciences

Advising Notes

- None

Transfer Notes

- Students who begin a two semester sequence course (e.g. General Chemistry) at a Florida College System institution are strongly encouraged to complete the sequence before transferring. If it will not be possible to complete the sequence before transferring, the student should postpone beginning the course until enrolling at UCF.

Acceptable Substitutes for Transfer Courses

- Substitutes for Common Program Prerequisites
  - MAC X311 or MAC X233 or MAC X353 or MAC X281
  - PHY X253C & PHY X054C or PHY X048/X048L & PHY X049/X049L
  - STA X023 or STA X122 or STA X014 or STA X024 or STA X321

Acceptable Substitutes for Transfer Courses

- CHM 2045C may be substituted with CHM 2040 and CHM 2041
- BSC 2011C Biology II 4 hrs
- MAC 2311C Calculus with Analytic Geometry I 4 hrs
- GEP 3 hrs

- or follow math sequence determined by Math Placement Exam

Plan of Study

Freshman Year - Fall

- ENC 1101 Composition I 3 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- MAC 2311C Calculus with Analytic Geometry I 4 hrs
- GEP 3 hrs

Freshman Year - Spring

- ENC 1102 Composition II 3 hrs
- BSC 2010C Biology I 4 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 3 hrs
- GEP 3 hrs

Sophomore Year - Fall

- CHM 2210 Organic Chemistry I 3 hrs
- MCB 3020C General Microbiology 5 hrs
- Restricted Elective or Elective 3 hrs

Sophomore Year - Spring

- CHM 2211 Organic Chemistry II 3 hrs
- BSC 3403C Quantitative Biological Methods 4 hrs
- GEP 3 hrs
- Restricted Elective or Elective 3 hrs

Sophomore Year - Summer

- Restricted Elective or Elective 3 hrs
- Elective 3 hrs

Select 1:

- STA 2023 Statistical Methods I or 3 hrs
- CGS 1060C Introduction to Computers 3 hrs

Sophomore Year - Summer

- CHM 2211L Organic Laboratory Techniques I or 2 hrs
- Elective 3 hrs

Select 1:

- CHM 2211L Organic Laboratory Techniques I or 2 hrs
- Elective 3 hrs

Select 1:

- CHM 2211L Organic Laboratory Techniques I or 2 hrs
- Elective 3 hrs
### UCF Degree Programs

**Senior Year - Fall**
- PCB 4721C Methods in Biotechnology 4 hrs
- MCB 4312 Molecular Biotechnology 3 hrs
- Restricted Elective or Elective 3 hrs

**Select 1:**
- BCH 4053 Biochemistry I or 3 hrs
- MCB 4414 Microbial Metabolism 3 hrs

**Senior Year - Spring**
- PCB 4174 Foundation of Bio-Imaging Science 3 hrs
- GEP 3 hrs
- Restricted Elective or Elective 3 hrs

**Select 1:**
- BCH 4053 Biochemistry I or 3 hrs
- MCB 4414 Microbial Metabolism 3 hrs

For students who transfer in their junior year from a Florida College System institution, the revised sequence of courses is provided (it is assumed that GEP and physics will be completed at an FCS institution):

**Junior Year - Fall**
- PCB 3522 Molecular Biology I 3 hrs
- MCB 4720 Industrial Perspectives Seminar 3 hrs
- GEP 3 hrs

**Select 1:**
- PHY 2053C College Physics I or 4 hrs
- \(^1\) PHY 2048C General Physics Using Calculus I 4 hrs

\(^1\) Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311C/2312 as prerequisites.

**Junior Year - Spring**
- PCB 4524 Molecular Biology II 3 hrs
- PCB 4280 Molecular Immunology 3 hrs
- PCB 3233L Immunology Laboratory 1 hr
- PCB 4529C Experimental Molecular Cell Biology 4 hrs

**Select 1:**
- PHY 2054C College Physics II or 4 hrs
- \(^1\) PHY 2049C General Physics Using Calculus II 4 hrs

\(^1\) Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites.

### Chemistry (B.S.)

**College of Sciences**

**Department of Chemistry,**

**Physical Sciences, Room: 255**

[http://chemistry.cos.ucf.edu/](http://chemistry.cos.ucf.edu/)

**Email:** pedro.patio@ucf.edu

Dr. Pedro Patino
Phone: 407-823-2246

**Admission Requirements**
- None

**Degree Requirements**
- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in the major
- Students should consult with a departmental advisor
- Departmental Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Chemistry
- Chemistry majors are discouraged from taking courses as a transient student at a Florida College System institution, except in situations where one semester of a two semester sequence has already been taken at the Florida College System institution
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours,
- AA transfer students are expected to have completed the following courses before enrolling as a Chemistry major.

These classes are prerequisites for advanced science classes and students entering without these classes will be unable to register for most of the advanced courses.

### 1. UCF General Education Program (GEP) (39 hrs)

- Note: Certain courses must be selected in the GEP for this major, which brings the GEP hours above 36

**A: Communication Foundations (9 hrs)**
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Preferred SPC 1603C Fundamentals of Technical Presentations 3 hrs

**B: Cultural & Historical Foundations (9 hrs)**

**C: Mathematical Foundations (7 hrs)**
- Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
- Preferred STA 2023 Statistical Methods I 3 hrs

**D: Social Foundations (6 hrs)**

**E: Science Foundations (8 hrs)**
- Required PHY 2048C General Physics Using Calculus I 4 hrs
- Required BSC 2010C Biology I 4 hrs

**2. Common Program Prerequisites (CPP) (24 hrs)**
- See “Common Prerequisites” in the Transfer and Transitions Sections service for more information.
- Prior to enrolling in Chemistry, you must take the Chemistry Placement Test – [http://knightsource.sdes.ucf.edu/placement](http://knightsource.sdes.ucf.edu/placement)

**Select either:**
- CHM 2045C Chemistry Fundamentals I 4 hrs

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**UNIVERSITY OF CENTRAL FLORIDA**

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6. Capstone Requirements

- None

Directed Electives

- Course will be selected with the aid of a departmental advisor and approved in advance by the department chair.
- Course will be selected from the physical, biological, mathematical sciences and/or related disciplines and normally will be at the 3000/4000 level. Co-op courses cannot be used in the major.

6. Capstone Requirements

- None
# UCF Degree Programs

## Advising Notes
- Students must satisfy each course’s prerequisites before enrolling in the class.

## Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

## Acceptable Substitutes for Transfer Courses
- Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
  - CHM 2045C: may use CHM X040C plus CHM X041C.
  - Chemistry & Lab: Although the CPP allows substitution by other physics courses, they will not satisfy the major; thus the specified physics courses will still have to be taken.
- Physics: Although the CPP allows substitution by Organic Chemistry, both the specified Physics and Organic Chemistry classes are required in the major and will still have to be taken.

## Plan of Study
- One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Before registering for Chemistry, you must take the Chemistry Placement Test - http://knightsource.sdes.ucf.edu/placement
- Before registering for Math, you must take Math Placement Test - http://knightsource.sdes.ucf.edu/placement
- Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the summer. Consult with an advisor to determine if you are exempt.

### Freshman Year - Fall
- **15 hrs**
  - CHM 2045 Chemistry Fundamentals I 4 hrs
  - MAC 2311C Calculus with Analytic Geometry I 4 hrs
  - BSC 2010C Biology I 4 hrs
  - ENC 1101 Composition I 3 hrs

### Freshman Year - Spring
- **14 hrs**
  - CHM 2046 Chemistry Fundamentals II 3 hrs
  - CHM 2046L Chemistry Fundamentals Laboratory 1 hr
  - MAC 2312 Calculus with Analytic Geometry II 4 hrs
  - ENC 1102 Composition II 3 hrs
  - GEP 3 hrs

### Sophomore Year - Fall
- **14 hrs**
  - CHM 2210 Organic Chemistry I 3 hrs
  - PHY 2048C General Physics Using Calculus I 4 hrs
  - MAC 2313 Calculus with Analytic Geometry III 4 hrs
  - Statistics 3 hrs

### Sophomore Year - Spring
- **14 hrs**
  - CHM 2211 Organic Chemistry II 3 hrs
  - CHM 2211L Organic Laboratory Techniques I 2 hrs
  - PHY 2049C General Physics Using Calculus II 4 hrs
  - GEP 3 hrs
  - Free Elective 2 hrs

### Junior Year - Fall
- **16 hrs**
  - BCH 4033 Biochemistry I 3 hrs
  - CHM 3120 Analytical Chemistry 3 hrs
  - CHM 3120L Analytical Chemistry Laboratory 1 hr
  - CHM 3215L Organic Laboratory Techniques II 2 hrs
  - CHM 3410 Physical Chemistry I 4 hrs
  - GEP 3 hrs

### Junior Year - Spring
- **16 hrs**
  - CHM 3411 Physical Chemistry II 3 hrs
  - CHM 3411L Physical Chemistry Laboratory 2 hrs
  - CHM 4130 Advanced Analytical Laboratory Technique 3 hrs
  - CHM 4610 Inorganic Chemistry 3 hrs
  - CHM 4130L Advanced Analytical Chemistry Laboratory 2 hrs
  - Restricted Elective 3 hrs

### Senior Year - Fall
- **16 hrs**
  - CHM 4610L Inorganic Chemistry Laboratory 2 hrs
  - CHM 4930 Chemistry Seminar I 1 hr
  - CHM 4912 Directed Independent Research 2 hrs
  - Restricted Elective 3 hrs
  - GEP 3 hrs
  - Free Elective 2 hrs
  - Free Elective 3 hrs

### Senior Year - Spring
- **15 hrs**
  - CHM 4912 Directed Independent Research 2 hrs
  - CHM 4931 Chemistry Seminar II 1 hr
  - GEP 3 hrs
  - GEP 3 hrs
  - Free Elective 3 hrs
  - Free Elective 3 hrs

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oelas.ucf.edu/alc/academic_learning_compacts.htm

### Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

### Chemistry - Biochemistry Track (B.S.)

#### Department of Chemistry,
**Physical Sciences, Room: 255**
http://www.cos.ucf.edu/chemistry

#### Email: pedro.patino@ucf.edu
Dr. Pedro Patino
Phone: 407-823-2246

#### Admission Requirements
- None

#### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in the major.
- Students should consult with a departmental advisor before registering.
- Departmental Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Chemistry.
- Chemistry majors are discouraged from taking courses as a transient student at a Florida College System institution, except in situations where one semester of a two semester sequence has already been taken at the Florida College System institution.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours. Courses designated in 1 (General Education Program) typically are spread throughout the 120 hours.
- AA transfer students are expected to have completed all of the following courses before enrolling as a Chemistry major; these classes are prerequisites for advanced science classes and students entering without these classes will be unable to register for most of the advanced courses.
  - CHM 2045C Chemistry Fundamentals I 4 hrs
  - CHM 2046 Chemistry Fundamentals II 3 hrs
  - CHM 2046L Chemistry Fundamentals Laboratory 1 hr
  - CHM 2210 Organic Chemistry I 3 hrs
  - CHM 2211 Organic Chemistry II 3 hrs
  - CHM 2211L Organic Laboratory Techniques I 2 hrs
  - PHY 2048C General Physics Using Calculus I 4 hrs
  - MAC 2311C Calculus with Analytic Geometry I 4 hrs
  - MAC 2312C Calculus with Analytic Geometry II 4 hrs
  - PHY 2049C General Physics Using Calculus II 4 hrs

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**UNIVERSITY OF CENTRAL FLORIDA**

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1. UCF General Education Program (GEP) (39 hrs)
   ■ Note: Certain courses must be selected in the GEP for this major, which brings the GEP hours above 36.
A: Communication Foundations (9 hrs)
   Required ENC 1101 Composition I 3 hrs
   Required ENC 1102 Composition II 3 hrs
   Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (7 hrs)
   Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
   Prefer STA 2023 Statistical Methods I 3 hrs
D: Social Foundations (6 hrs)
E: Science Foundations (8 hrs)
   Required PHY 2048C General Physics Using Calculus I and 4 hrs
   - or 6 hrs
   - or CHM 2040 Chemistry Fundamentals IA and 3 hrs
   - or CHM 2041 Chemistry Fundamentals IB 3 hrs
   - and complete all the following 24 hrs
   CHM 2046 Chemistry Fundamentals II and 3 hrs
   CHM 2046L Chemistry Fundamentals Laboratory and 1 hr
   CHM 2210 Organic Chemistry I and 3 hrs
   CHM 2211 Organic Chemistry II and 3 hrs
   CHM 2211L Organic Laboratory Techniques I and 2 hrs
   MAC 2311C Calculus with Analytic Geometry I and 4 hrs
   MAC 2312 Calculus with Analytic Geometry II and 4 hrs
   PHY 2048C General Physics Using Calculus I and 4 hrs
   PHY 2049C General Physics Using Calculus II and 4 hrs

2. Common Program Prerequisites (CPP) (20 hrs)
   Select either:
   CHM 2045C Chemistry Fundamentals I 4 hrs
   - or 6 hrs
   - or CHM 2040 Chemistry Fundamentals IA and 3 hrs
   - or CHM 2041 Chemistry Fundamentals IB 3 hrs
   - and complete all the following 24 hrs
   CHM 2046 Chemistry Fundamentals II and 3 hrs
   CHM 2046L Chemistry Fundamentals Laboratory and 1 hr
   CHM 2210 Organic Chemistry I and 3 hrs
   CHM 2211 Organic Chemistry II and 3 hrs
   CHM 2211L Organic Laboratory Techniques I and 2 hrs
   MAC 2311C Calculus with Analytic Geometry I and 4 hrs
   MAC 2312 Calculus with Analytic Geometry II and 4 hrs
   PHY 2048C General Physics Using Calculus I and 4 hrs
   PHY 2049C General Physics Using Calculus II and 4 hrs

3. Core Requirements: Basic Level (10 hrs)
   ■ All courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.
Basic Core: Required, satisfies the CPP
   Select either:
   CHM 2045C Chemistry Fundamentals I CPP
   - or 6 hrs
   - or CHM 2040 Chemistry Fundamentals IA and CPP
   - or CHM 2041 Chemistry Fundamentals IB CPP
   - and 6 hrs
   CHM 2046 Chemistry Fundamentals II and CPP
   CHM 2046L Chemistry Fundamentals Laboratory and CPP
   CHM 2210 Organic Chemistry I and CPP
   CHM 2211 Organic Chemistry II and CPP
   CHM 2211L Organic Laboratory Techniques I and CPP
   MAC 2311C Calculus with Analytic Geometry I and GEP/CPP
   MAC 2312 Calculus with Analytic Geometry II and CPP
   PHY 2048C General Physics Using Calculus I and GEP/CPP
   PHY 2049C General Physics Using Calculus II and CPP
Basic Core: Additional Requirements 10 hrs
   BSC 2010C Biology I and GEP
   CHM 3120 Analytical Chemistry and 3 hrs
   CHM 3120L Analytical Chemistry Laboratory and 1 hr
   CHM 3215L Organic Laboratory Techniques I and 2 hrs
   MAC 2313 Calculus with Analytic Geometry III and 4 hrs
   - and either 6 hrs
   STA 2023 Statistical Methods I or GEP
   STA 1063C Basic Statistics Using Microsoft Excel GEP

4. Core Requirements: Advanced Level (37 hrs)
   BCH 4053 Biochemistry I 3 hrs
   BCH 4054 Biochemistry II 3 hrs
   BCH 4103L Biochemical Methods 2 hrs
   CHM 3410 Physical Chemistry I 4 hrs
   CHM 3411 Physical Chemistry II 3 hrs
   CHM 3411L Physical Chemistry Laboratory 2 hrs
   CHM 4610 Inorganic Chemistry 3 hrs
   CHM 4912 Directed Independent Research 4 hrs
   CHM 4930 Chemistry Seminar I 1 hr
   CHM 4931 Chemistry Seminar II 1 hr
   MCB 3020C General Microbiology 5 hrs
   PCB 3023 Molecular Cell Biology 3 hrs
   PCB 3063 Genetics 3 hrs

5. Restricted Electives (10 hrs)
   Select from the following:
   - or 3 hrs
   - or 1 hr
   - or 3 hrs
   - or 3 hrs
   Additional upper level courses as approved by a departmental advisor
   One of the following may be used as a Restricted Elective:
   CHM 4220 Organic Chemistry III or 3 hrs
   CHM 5225 Advanced Organic Chemistry 3 hrs
   Additional physical, biological, and mathematical sciences courses.
   ■ In addition to those listed above, course selected with the aid of a departmental advisor and approved in advance by the department chair may also be used.
   ■ These courses should be at least at the 3000 level.

6. Capstone Requirements
   ■ None

7. Foreign Language Requirements
   ■ Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.
   ■ None

8. Electives
   ■ Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
   ■ Complete a minimum of 30 Chemistry credits from the UCF Chemistry Department.
   ■ Students must earn at least a “C” (2.0) or better in each UCF Chemistry course used to satisfy the major.
   ■ Students must maintain a minimum cumulative GPA of 2.0 in all UCF Chemistry courses.
   ■ Students must maintain a minimum cumulative GPA of 2.0 in all Chemistry courses.
   ■ For both cumulative GPA calculations, all attempts of courses that could meet requirements are included, with the exception of CHM4912, CHM4930 and CHM4931. Additional courses that could meet requirements but are taken beyond the minimum required (e.g., additional restricted electives taken beyond the required 10 hours) and a “C” (2.0) or better is earned, are also included in the major GPA calculations.
   ■ The last 30 credit hours of regularly scheduled courses that satisfy degree requirements must be taken in Residence at UCF.

10. Required Minors
    ■ None

11. Departmental Exit Requirements
    ■ Students are required to take a nationally normed test in chemistry and biochemistry during their last semester. The exam will be given in the Fall and Spring semesters. Students who plan to graduate in the Summer must take the exam in the Spring. The student must achieve a satisfactory score on the exam.
    ■ Students are required to submit an undergraduate research report for evaluation no later than the date posted by the department in the semester they intend to graduate. The report must meet or exceed departmental requirements established for the report.
University of Central Florida

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Biology
- Chemistry
- Forensic Science - Analysis Track
- Forensic Science - Biochemistry Track
- Biomedical Sciences

Certificates
- None

Related Minors
- Chemistry
- Biology
- Biomedical Sciences

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- The following Common Program Prerequisite courses may be satisfied by the following courses if taken prior to transferring to UCF:
  - CHM 2045C: May use CHM X040C plus CHM X041C.
  - Physics: Although the CPP allows substitution by other physics courses or Organic Chemistry, both the specified Physics and Organic Chemistry classes are required in the major and will still have to be taken.

Plan of Study
- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Prior to enrolling in Chemistry, take Chemistry Placement Test at http://knightsource.sdes.ucf.edu/placement
- Prior to enrolling in Math, take Math Placement Test at http://knightsource.sdes.ucf.edu/placement
- Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

Freshman Year - Fall
- 15 hrs
- CHM 2045C: 4 hrs
- MAC 2311C: 4 hrs
- BSC 2010C: 4 hrs
- ENC 1101: 3 hrs

Freshman Year - Spring
- 17 hrs
- CHM 2046: 3 hrs
- CHM 2046L: 1 hr
- MAC 2312: 4 hrs
- ENC 1102: 3 hrs
- GEP: 3 hrs

Sophomore Year - Fall
- 14 hrs
- CHM 2210: 3 hrs
- PHY 2048C: 4 hrs
- MAC 2313: 4 hrs

Sophomore Year - Spring
- 16 hrs
- CHM 2211: 3 hrs
- CHM 2211L: 2 hrs
- CHM 3120: 3 hrs
- PHY 2049C: 4 hrs

Junior Year - Fall
- 14 hrs
- BCH 4053: 3 hrs
- CHM 3215L: 2 hrs
- PCB 3023: 3 hrs
- GEP: 3 hrs

Junior Year - Spring
- 13 hrs
- BCH 4054: 3 hrs
- BCH 4103L: 2 hrs
- MCB 3020C: 5 hrs
- GEP: 3 hrs

Senior Year - Fall
- 16 hrs
- CHM 3410: 4 hrs
- CHM 4912: 1 hr
- CHM 4930: 1 hr
- Restricted Elective: 3 hrs

Senior Year - Spring
- 15 hrs
- CHM 4931: 1 hr
- CHM 3411: 3 hrs
- CHM 4411L: 2 hrs
- CHM 4610: 3 hrs
- CHM 4912: 2 hrs
- GEP: 4 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oews.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Civil Engineering (B.S.C.E.)

College of Engineering and Computer Science

Department of Civil, Environmental, and Construction Engineering, Engineering II, Room: 211
http://www.cece.ucf.edu

Carol Ann Pohl, carolann.pohl@ucf.edu
Dr. Kevin Mackie, kevin.mackie@ucf.edu
Phone: 407-823-2841

Admission Requirements
- Students wanting to declare a major in an engineering discipline must be in good academic standing and must have a “C” (2.0) or better in each of the following courses or their equivalents: MAC 2311C, MAC 2312, PHY 2048C, and CHS 1440 or CHM 2045C or CHM 2040 AND CHM 2041.
- Students wanting to declare a major in an engineering discipline must complete a change of major in the term of completion of the final pending prerequisite course(s) listed above.

Degree Requirements
- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing the courses from section 3 Basic Core Requirements, section 4 Advanced Core Requirements, section 5 Restricted Electives and section 6 Capstone Requirements listed below. Independent study courses generally do not satisfy major requirements.
A “C” (2.0) or better is required in each pre-requisite course in section 2 Common Program Prerequisites, section 4 Advanced Core Requirements, and section 6 Capstone Requirements.

- Students in the Civil Engineering major are expected to make consistent good progress toward their degrees to remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Civil Engineering who repeats any UCF course and does not earn a grade of “C” (2.0) or better on the second attempt will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation does not receive a grade of “C” (2.0) or better by the third attempt in the same UCF course, the student will be excluded from all CECS and COP majors. Any student majoring in Civil Engineering who has accumulated 7 or more unsuccessful attempts (i.e., grades below “C” (2.0) and withdrawals) over all courses taken at UCF will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation has a tenth unsuccessful attempt over all courses taken at UCF, the student will be excluded from all CECS and COP majors.

- A student who is excluded from CECS and COP majors may seek readmission to a major in CECS or COP after at least one full year has passed since exclusion. Readmission is not automatic and is dependent upon a high probability of success after readmission. Any student who is readmitted to the Civil Engineering major will be subject to all probation conditions that applied at the time of exclusion.

1. UCF General Education Program (GEP) (38 hrs)
- The UCF General Education Program (GEP) is described in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida College Systems or State University System should complete the GEP and the Common Program Prerequisites before transferring.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1103 Composition II 3 hrs
- Suggested SPC 1603C Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Select one course from Cultural Foundations - Suggested 3 hrs
- MUL 2010, PHI 2010, or THE 2000 6 hrs

C: Mathematical Foundations (7 hrs)
- Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
- Required STA 3032 Probability and Statistics for Engineers 3 hrs

D: Social Foundations (6 hrs)
- Select one class from Social Foundation Group 1 3 hrs
- Select one class from Social Foundation Group 2 3 hrs

E: Science Foundations (7 hrs)
- Required PHY 2048C General Physics Using Calculus I 4 hrs

Science Foundation 2 (3 hrs)
- Required EVR 1001 Introduction to Environmental Science or 3 hrs
- Required GEO 1200 Physical Geography or 3 hrs
- Required GEO 2370 Resources Geography or 3 hrs
- Required GLY 1030 Geology and its Applications 3 hrs

2. Common Program Prerequisites (CPP) (19 hrs)
- These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- A grade of “C” (2.0) or better is required in each course in this section.

MAC 2311C Calculus with Analytic Geometry I GEP 3 hrs
MAC 2312 Calculus with Analytic Geometry II 4 hrs
MAC 2313 Calculus with Analytic Geometry III 4 hrs
MAP 2302 Ordinary Differential Equations I 3 hrs
PHY 2048C General Physics Using Calculus I GEP 4 hrs
PHY 2049C General Physics Using Calculus II 4 hrs

Select one of the following sequences of courses:
- Preferred course
  - CHS 1440 Principles of Chemistry 4 hrs
- or - First alternative: Select all of the following:
  - CHM 2401 Chemistry Fundamentals IA and 3 hrs
  - CHM 2402 Chemistry Fundamentals IB 3 hrs
- or - Second alternative
  - CHM 2445C Chemistry Fundamentals I 4 hrs

3. Core Requirements: Basic Level (2 hrs)
- EGS 1000C Introduction to the Engineering Profession 1 hr
- EGN 1007C Engineering Concepts and Methods 1 hr

Basic Science
- EVR 1001 Introduction to Environmental Science or 1 hr
- GEO 1200 Physical Geography or 1 hr
- GEO 2370 Resources Geography or 1 hr
- GLY 1030 Geology and its Applications 1 hr

4. Core Requirements: Advanced Level (60 hrs)
- 1 EGN 3310 Engineering Analysis-Statics 3 hrs
- EGN 3321 Engineering Analysis-Dynamics 3 hrs
- 1 EGN 3331C Mechanics of Materials 3 hrs
- 1 EGN 3613 Engineering Economic Analysis 2 hrs
- 1 ENV 3001 Environmental Engineering 3 hrs
- CCE 4003 Introduction to the Construction Industry 3 hrs
- 1 STA 3032 Probability and Statistics for Engineers GEP 3 hrs
- CGN 3700C Civil Engineering Measurements 2 hrs
- CGN 3501C Civil Engineering Materials 3 hrs
- CEG 4011C Geotechnical Engineering I 4 hrs
- 1 CES 4100C Structural Analysis I and Lab 4 hrs
- 1 CWR 3201 Engineering Fluid Mechanics 3 hrs
- TTE 3010 Highway Engineering 3 hrs
- CWR 4202C Hydraulics 3 hrs

1 A “C” (2.0) or better is required in this course.

Civil Engineering Depth Areas 12 hrs
- Select 2 of the following 5 sequences to complete

Geotechnical: 6 hrs
- CEG 4012 Geotechnical Engineering II and 3 hrs
- CWR 4124 Hydrogeology 3 hrs

Water Resources: 6 hrs
- CWR 4120 Hydrology and 3 hrs
- CWR 4124 Hydrogeology 3 hrs

Transportation: 6 hrs
- TTE 4274 Transportation Engineering Systems and 3 hrs
- TTE 4300 Transportation Analytics 3 hrs

Structures: 6 hrs
- CES 4605 Steel Structures and 3 hrs
- CES 4702 Reinforced Concrete Structures 3 hrs

Mechanics: 6 hrs
- EGN 3343 Thermodynamics and 3 hrs
- CES 4205 Structural Mechanics 3 hrs
## UCF Degree Programs

### Civil Engineering Degree Programs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>TTE 4601C</td>
<td>Urban Systems Design</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CES 4743C</td>
<td>Structural Design</td>
<td>3 hrs</td>
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<tr>
<td>CWR 4202C</td>
<td>Hydraulics</td>
<td>3 hrs</td>
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<tr>
<td>CGN 4808C</td>
<td>CECE Capstone Design</td>
<td>3 hrs</td>
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</tbody>
</table>

### Advising Notes
- Each engineering student is assigned a qualified engineering academic advisor in the department of his/her major. Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.

The Civil Engineering program offers the opportunity for exceptionally well-qualified undergraduates to enter directly into the PhD program after completion of an appropriate BS degree. This option allows outstanding undergraduates to begin planning a research program with a specific faculty advisor even before finishing the BS, and may allow completion of the PhD in a shorter time period than by taking a separate Masters followed by the PhD.

## Transfer Notes
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information (course syllabus) with his/her petition for this evaluation.
- EGS 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one hour for each) may, with prior approval of the department academic advisor, be moved to the Restricted Elective area.

### Acceptable Substitutes for Transfer Courses
- None

## Plan of Study

### Freshman Year - Fall (128 hrs)
- ENC 1101 Composition I 3 hrs
- MAC 2311C Calculus with Analytic Geometry I 4 hrs
- EGS 1006C Introduction to the Engineering Profession 1 hr
- CHS 1440 Principles of Chemistry 4 hrs

### Freshman Year - Spring (14 hrs)
- ENC 1102 Composition II 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- PHY 2048C General Physics Using Calculus I 4 hrs
- EGN 1007C Engineering Concepts and Methods 1 hr
- EGN 3613 Engineering Economic Analysis 2 hrs

### Sophomore Year - Fall (16 hrs)
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- EGN 3310 Engineering Analysis-Statics 3 hrs
- GEP 3 hrs
- ENV 3001 Environmental Engineering 3 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs

### Sophomore Year - Spring (16 hrs)
- MAP 2302 Ordinary Differential Equations I 3 hrs
- PHY 2049C General Physics Using Calculus II 4 hrs
- EGN 3331C Mechanics of Materials 3 hrs
- GEP 3 hrs
- CGN 3405 Applied Numerical Methods for Civil Engineering 3 hrs

### Sophomore Year - Summer (9 hrs)
- GEP 3 hrs
- EGN 3321 Engineering Analysis-Dynamics 3 hrs
- CWR 3201 Engineering Fluid Mechanics 3 hrs

### Junior Year - Fall (16 hrs)
- CES 4100C Structural Analysis I and Lab 4 hrs
- CGN 3700C Civil Engineering Measurements 2 hrs
- CEG 4011C Geotechnical Engineering I 4 hrs
- TTE 3910 Highway Engineering 3 hrs
- CWR 4202C Hydraulics 3 hrs

### Junior Year - Spring (15 hrs)
- GEP 3 hrs
- CCE 4003 Introduction to the Construction Industry 3 hrs
- CGN 3501C Civil Engineering Materials 3 hrs
- Depth Area 1, Course 1 3 hrs
- Depth Area 2, Course 1 3 hrs

### Total Semester Hours Required
- 128
Senior Year - Fall 15 hrs
Approved Project Design Course 3 hrs
Depth Area 1, Course 2 3 hrs
Depth Area 2, Course 2 3 hrs
Depth Elective 1 3 hrs
GEP 3 hrs

Senior Year - Spring 12 hrs
GEP 3 hrs
CGN 4808C CECE Capstone Design 3 hrs
Depth Elective 2 3 hrs
Technical Elective 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $43 per term
- Full-Time Student: $85 per term

Communication & Conflict (B.A.)
College of Sciences
Nicholson School of Communication,
NSC, Room: Room 143
http://communication.cos.ucf.edu
Dr. James McCafferty, james.mccafferty@ucf.edu
Nicholson Academic Student Services, nassc@ucf.edu
Phone: 407-823-2681

This degree program may be completed online, although not all elective options or program prerequisites may be offered online. Newly admitted students choosing to complete this program exclusively via UCF online classes may enroll with a reduction in campus-based fees. See http://ucf.edu/online for more information.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit may be used in this major with prior advisor approval.
- Students cannot exceed a total of six credits of internship, co-op, and independent study credits combined.
- Students must consult with a school advisor.
- School residency requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the Nicholson School of Communication.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   Required ENC 1101 Composition I 3 hrs
   Required ENC 1102 Composition II 3 hrs
   Select 1:
   Required SPC 1608 Fundamentals of Oral Communication or 3 hrs
   Required SPC 1603C Fundamentals of Technical Presentations or 3 hrs
   Required COM 1000 Introduction to Communication 3 hrs
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   Statistics: 3 hrs
   Required STA 2014C Principles of Statistics 3 hrs

2. Core Requirements: Basic Level (3 hrs)
   Speech
   Select 1:
   SPC 1608 Fundamentals of Oral Communication or 3 hrs
   SPC 1603C Fundamentals of Technical Presentations or 3 hrs
   COM 1000 Introduction to Communication 3 hrs

3. Core Requirements: Advanced Level (12 hrs)
   Take all of the following:
   COM 3800 Communication Theories of Interpersonal Conflict 3 hrs
   COM 3801 Conflict Communication Research Methods 3 hrs
   COM 4804 Conflict & Communication Context 3 hrs
   COM 3802 Communication & Conflict 3 hrs

4. Core Requirements: Advanced Level (21 hrs)
   Internal Restricted Electives: 15 hrs
   - Select from the following list:
     COM 3120 Organizational Communication 3 hrs
     COM 4461 Intercultural Communication 3 hrs
     COM 4805 Transformative Communication 3 hrs
     COM 4803 Third Party Processes & Intervention 3 hrs
     PUR 4400 Crisis Communication 3 hrs
     RTV 4403 Electronic Media, Technology, and Society 3 hrs
     PUR 4000 Public Relations 3 hrs
     COM 4014 Gender Issues in Communication 3 hrs
     COM 4941 Internship 1 hr

A maximum of 6 credits of any combination of the following can be used as an Internal Restricted Elective:
   COM 3120 Organizational Communication 1 hr
   COM 4906 Directed Independent Study 1 hr
   SPC 4949 Cooperative Education 0 hrs
   COM 4949 Cooperative Education 0 hrs
   Select 1:
   ENC 3315 Argumentative Writing 3 hrs
   ENC 3311 Essay as Cultural Commentary or 3 hrs
   ENC 3250 Professional Writing or 3 hrs
   ENC 3314 Writing and Rhetoric Foundations or 3 hrs
   ENC 3241 Writing for the Technical Professional or 3 hrs

7. Foreign Language Requirements
   Admissions
   - Met by graduation requirement.
   Graduation
   - Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.
### Communication Sciences and Disorders

**B.A. / B.S.**

**College of Health and Public Affairs**

**Department of Communication Sciences and Disorders, Health and Public Affairs II, Room: 101**

http://www.cohpa.ucf.edu/csd

**Email:** csdundergraduate@ucf.edu

Dr. Cecyle Carson, Undergraduate Program Coordinator  
Phone: 407-823-4798

### Admission Requirements

- **None**

### Degree Requirements

- **Students who change degree programs and select this major must adopt the most current catalog.**
- **Students should complete the General Education Program before transferring within the Florida College System or State University System.**
- **Students should consult with a departmental advisor.**

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<table>
<thead>
<tr>
<th>Plan of Study</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>One of numerous possible plans of study. See program description for all requirements. Consult a school advisor for alternate, new, or more appropriate selections.</td>
<td></td>
</tr>
</tbody>
</table>

| Although most classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt. |  |

| Before registering for Math, take Math Placement Test ~ http://uutc.sdes.ucf.edu |  |

### Freshman Year - Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP-Math</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>Foreign Language</td>
<td>4 hrs</td>
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</table>

### Select 1:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPC 1608</td>
<td>Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COM 1000</td>
<td>Introduction to Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 2014C</td>
<td>Principles of Statistics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 2970</td>
<td>Core-Computer Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 2972</td>
<td>Core-Computer Science</td>
<td>3 hrs</td>
</tr>
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</table>

### Sophomore Year - Fall

<table>
<thead>
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<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>ENC 1102</td>
<td>Composition II</td>
<td>3 hrs</td>
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### Junior Year - Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COM 3800</td>
<td>Communication Research Methods</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COM 3801</td>
<td>Communication Theories of Interpersonal Conflict</td>
<td>3 hrs</td>
</tr>
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### Senior Year - Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COM 4804</td>
<td>Conflict &amp; Communication Context</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COM 4806</td>
<td>Communication &amp; Conflict Case Studies</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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### UCF Degree Programs

- Eight credits of American Sign Language (ASL) can satisfy this requirement for students graduating under this catalog. Consult with the NSC advising staff to understand how choosing ASL might impact hours needed to graduate.

### Electives

- Select primarily from upper level courses. May be taken outside of the Nicholson School of Communication.

### Additional Requirements

- **None**

### Required Minors

- **None**

### Departmental Exit Requirements

- Students must achieve a minimum cumulative GPA of 2.0 in all UCF Nicholson School of Communication (NSC) courses taken in the major.
- All attempts of UCF NSC courses that could meet major requirements are included in the major GPA calculation, including those taken beyond the minimum required (e.g. additional restricted electives).
- To avoid graduation delays, meet with your advisor to review graduation requirements before registering for your last term.

### University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

### Total Semester Hours Required

- 120

### Honors In Major

- **None**

### Related Programs

- **None**

### Certificates

- **None**

### Related Minors

- **Human Communication**
- **Mass Communication**

### Advising Notes

- **None**

### Transfer Notes

- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

### Acceptable Substitutes for Transfer Courses

- **None**

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<table>
<thead>
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<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>ENC 1102</td>
<td>Composition I</td>
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### Select 1:

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<thead>
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<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPC 1608</td>
<td>Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COM 1000</td>
<td>Introduction to Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 2970</td>
<td>Core-Computer Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 2972</td>
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</table>

### Sophomore Year - Spring

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 2014C</td>
<td>Principles of Statistics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 3800</td>
<td>Conflict Communication Research Methods</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 3801</td>
<td>Communication Theories of Interpersonal Conflict</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Junior Year - Spring

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 2014C</td>
<td>Principles of Statistics</td>
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</tr>
<tr>
<td>STA 3800</td>
<td>Conflict Communication Research Methods</td>
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</table>

### Senior Year - Spring

<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>STA 2014C</td>
<td>Principles of Statistics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 3800</td>
<td>Conflict Communication Research Methods</td>
<td>3 hrs</td>
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</table>

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### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oears.ucf.edu/al/academic_learning_compacts.htm

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### Communication Sciences and Disorders

**B.A. / B.S.**

**College of Health and Public Affairs**

**Department of Communication Sciences and Disorders, Health and Public Affairs II, Room: 101**

http://www.cohpa.ucf.edu/csd

**Email:** csdundergraduate@ucf.edu

Dr. Cecyle Carson, Undergraduate Program Coordinator  
Phone: 407-823-4798

### Admission Requirements

- **None**

### Degree Requirements

- **Students who change degree programs and select this major must adopt the most current catalog.**
- **Students should complete the General Education Program before transferring within the Florida College System or State University System.**
- **Students should consult with a departmental advisor.**
The courses designated in section 1 below may be taken at a Florida College System institution, and usually should be completed in the first 60 hours.

Students must earn at least a “C-” (1.75) in each prerequisite course, core course, restricted elective, and B.A./B.S. elective.

Communication Sciences and Disorders is an unrestricted major, however, negative criminal background checks may result in the inability to complete coursework in this major.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   Select 1: 3 hrs
   - Required STA 2014C Principles of Statistics 3 hrs
   D: Social Foundations (6 hrs)
   - Required PSY 2012 General Psychology 3 hrs
   E: Science Foundations (6 hrs)
   - Required PHY, PSC, or CHM course listed in GEP E.1 3 hrs
   - Required BSC 1005 Biological Principles 3 hrs

2. Common Program Prerequisites (CPP)
   - STA 2014C Principles of Statistics GEP
   - BSC 1005 Biological Principles GEP
   - PSY 2012 General Psychology GEP
   - PHY, PSC or CHM GEP

3. Core Requirements: Basic Level
   None

4. Core Requirements: Advanced Level (56 hrs)
   Core Requirements 53 hrs
   - DEP 2004 Developmental Psychology 3 hrs
   - SPA 3471 Communication Disorders in Literature and Media 3 hrs
   - SPA 3101 Physiological Bases of Speech and Hearing 3 hrs
   - SPA 3112 Basic Phonetics 3 hrs
   - SPA 3112L Basic Phonetics Lab 1 hr
   - LIN 3716 Language Development 3 hrs
   - LIN 3716L Language Development Lab 2 hrs
   - SPA 3011 Speech Science I: Production 3 hrs
   - SPA 3011L Speech Production lab 1 hr
   - SPA 3104 Neural Bases of Communication 3 hrs
   - SPA 3123 Speech Science II: Perception 3 hrs
   - SPA 3123L Speech Perception Lab 1 hr
   - SPA 4476 Speech Disorders Across the Lifespan 3 hrs
   - SPA 4032 Audiology 3 hrs
   - SPA 4478 Multicultural Aspects of Communication Disorders & Differences
     Language Disorders Across the Life Span 3 hrs
   - LIN 3713 Language Science 3 hrs
   - SPA 4870C Capstone Course 3 hrs
   - SPA 4326 Hearing Disorders Across the Lifespan 3 hrs
   Select 1: 3 hrs
   - EAB 3703 Principles of Behavior Modification or 4 hrs
   - EEX 4601 Introduction to Behavior Management or 3 hrs
   - EEC 4604 Classroom Management and Guidance of Young Children or 3 hrs
   - EDF 3303 Learning Environments and Guidance for Young Children or 3 hrs
   - SPA 3472 Guidance of Young Children with Communication Disorders or 3 hrs
   - EEX 3450 Young Children With Special Needs 3 hrs

Statistics Requirement 3 hrs
Students have two options for completing this requirement:
Option 1: 3 hrs
   - STA 2023 Statistical Methods I and GEP
   - STA 4163 Statistical Methods II 3 hrs

Option 2: 3 hrs
   - STA 2014C Principles of Statistics and GEP
   - SPA 4803 Research Methods in Communication Sciences and Disorders 3 hrs

5. Restricted Electives (9 hrs)
   An additional nine credit hours of upper division course work in Communication Sciences and Disorders selected from a list provided in the CSD Department or in consultation with a CSD undergraduate advisor.

B.A./B.S. Option:
   Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year in college. ASL I, II and III can also be used to fulfill this requirement.
   Students pursuing the B.S. degree must complete two upper division health sciences courses (six credit hours) approved by the department.

6. Capstone Requirements
   SPA 4870C Capstone Course 3 hrs

7. Foreign Language Requirements

   Admissions
   Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
   Students taking American Sign Language (ASL) to satisfy B.A. foreign language requirement must complete three semesters of ASL classes.

Graduation
   Students taking American Sign Language (ASL) to satisfy B.A. foreign language requirement must complete three semesters of ASL classes.

8. Electives
   Students can choose 12 hours of electives. A minor or certificate is encouraged.

9. Additional Requirements
   None

10. Required Minors
    None

11. Departmental Exit Requirements
    Students must achieve a minimum grade of “C-” (1.75) in all prerequisite courses, core courses, restricted electives, and B.A./B.S. electives in the department.
    Students must also earn an overall minimum of 2.0 GPA in the courses used to satisfy the major.

12. University Minimum Exit Requirements
    A 2.0 UCF GPA
    60 semester hours earned after CLEP awarded
    48 semester hours of upper division credit completed
    30 of the last 39 hours of course work must be completed in residency at UCF
    A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
   120

Honors In Major
   Interested students should consult with the undergraduate program coordinator.

Related Programs
   Health Services Administration
   Psychology
   Social Work
   Early Childhood Education

Certificates
   Related Minors
   Exceptional Education
   Early Childhood Education
   Aging Studies
   Health Services Administration
   Human Communication

UNIVERSITY OF CENTRAL FLORIDA
UCF Degree Programs

- Linguistics
- Psychology
- Spanish

Advising Notes
- Certification in speech-language pathology by the American Speech-Language-Hearing Association and licensure by the State of Florida Department of Health, Division of Medical Quality Assurance requires a master’s degree in Communication Sciences and Disorders.

Transfer Notes
- "D" (1.0) grades are not accepted.
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
- Students may take STA 2014C or STA 2023 to fulfill the first part of the statistics requirement.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study

Freshman Year - Fall
ENC 1101 Composition I 3 hrs
PSY 2012 General Psychology 3 hrs
BSC 1055 Biological Principles 3 hrs
Free Elective 3 hrs
GEP Cultural 3 hrs

Freshman Year - Spring
ENC 1102 Composition II 3 hrs
DEP 2004 Developmental Psychology 3 hrs

Select 1:
- PHY, PSC, or CHM Course 3 hrs
- GEP Social 3 hrs
- GEP Historical 3 hrs

Sophomore Year - Fall
GEP Communication Disorders in Literature and Media 3 hrs
SPA 3471 Communication Disorders in Literature and Media 3 hrs
Free Elective 3 hrs
GEP Historical 3 hrs
GEP Math 3 hrs

Sophomore Year - Spring
- Students taking American Sign Language (ASL) to satisfy B.A. foreign language requirement must complete three semesters of ASL.
SPA 3112 Basic Phonetics 3 hrs
SPA 3112L Basic Phonetics Lab 1 hr
Foreign Language I (B.A.) or Health Sciences (B.S.) elective

Select 1:
- EAB 3703 Principles of Behavior Modification or Learning Environments and Guidance for Young Children or Young Children With Special Needs or Classroom Management and Guidance of Young Children or Guidance of Young Children with Communication Disorders or Teaching Exceptional Students 3 hrs

Select 1:
- STA 2014C Principles of Statistics or STA 2023 Statistical Methods I or STA 2023L 3 hrs

Sophomore Year - Summer
- Students taking American Sign Language (ASL) to satisfy B.A. foreign language requirement must complete three semesters of ASL.
Foreign Language II (B.A.) or Health Sciences (B.S.) elective 3 hrs
Free Elective 3 hrs

Junior Year - Fall
SPA 3011 Speech Science I: Production 3 hrs
SPA 3011L Speech Production lab 1 hr
SPA 3101 Physiological Bases of Speech and Hearing 3 hrs
LIN 3713 Language Science 3 hrs
Restricted Elective 3 hrs

Junior Year - Spring
SPA 3123 Speech Science II: Perception 3 hrs
SPA 3123L Speech Perception Lab 1 hr
SPA 4476 Speech Disorders Across the Lifespan 3 hrs
SPA 3104 Neural Bases of Communication 3 hrs
LIN 3716 Language Development 3 hrs
LIN 3716L Language Development Lab 2 hrs

Senior Year - Fall
SPA 4032 Audiology 3 hrs
SPA 4400 Language Disorders Across the Life Span 3 hrs
SPA 4478 Multicultural Aspects of Communication Disorders & Differences 3 hrs
Restricted Elective 3 hrs

Select 1:
- Statistical Methods II or Research Methods in Communication Sciences and Disorders 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $10 per term
- Full-Time Student: $20 per term

Computer Engineering (B.S.Cp.E.)

College of Engineering and Computer Science
Department of Electrical and Computer Engineering,
Harris Corp. Engineering Center, Room: 346
http://www.eecs.ucf.edu
Email: undergraduate@ece.ucf.edu
Dr. Parveen Wahid
Charlese Hilton-Brown
Diane D’Avanzo
Phone: 407-823-3327

Admission Requirements
- Students wanting to declare a major in an engineering discipline must be in good academic standing and must have a "C" (2.0) or better in each of the following courses or their equivalents: MAC 2311C, MAC 2312, PHY 2048C, and CHS 1440 or CHM 2045C.
- Students wanting to declare a major in an engineering discipline must complete a change of major in the term of completion of the final pending prerequisite course(s) listed above.

Degree Requirements
- Students in the Computer Engineering major are expected to make consistent good progress toward their degrees to remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Computer Engineering who repeats any UCF course and does not earn a grade of "C" (2.0) or better on the second attempt will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation does...
not receive a grade of “C” (2.0) or better by the third attempt in the same UCF course, the student will be excluded from all CECS and COP majors. Any student majoring in Computer Engineering who has accumulated 7 or more unsuccessful attempts (i.e., grades below “C” (2.0) and withdrawals) over all courses taken at UCF will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation has a tenth unsuccessful attempt over all courses taken at UCF, the student will be excluded from all CECS and COP majors.

A student who is excluded from CECS and COP majors may seek readmission to a major in CECS or COP after at least one full year has passed since exclusion. Readmission is not automatic and is dependent upon a high probability of success after readmission. Any student who is readmitted to the Computer Engineering major will be subject to all probation conditions that applied at the time of exclusion.

1. UCF General Education Program (GEP) (38 hrs)

The UCF General Education Program (GEP) is described in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A through E below to minimize excess hours. Students transferring to UCF from within the Florida College System or State University System should complete the GEP and the Common Program Prerequisites before transferring.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I: 3 hrs
- Required ENC 1102 Composition II: 3 hrs

Select 1: 3 hrs
- Suggested SPC 1603C Fundamentals of Technical Presentations or SPC 1608 Fundamentals of Oral Communication: 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Select two courses from Historical Foundations: 6 hrs
- Select one class from Cultural Foundations: 3 hrs

C: Mathematical Foundations (7 hrs)
- Required MAC 2311C Calculus with Analytic Geometry I: 4 hrs
- Required STA 3032 Probability and Statistics for Engineers: 3 hrs

D: Social Foundations (6 hrs)
- Select 1: 3 hrs
- Prefer ECO 2023 Principles of Microeconomics or STA 3016S Probability and Statistics for Scientists: 3 hrs
- Select one class from Social Foundations: 3 hrs

E: Science Foundations (7 hrs)
- Required PHY 2048C General Physics Using Calculus I: 4 hrs
- Select one course from Science Foundations: 3 hrs

2. Common Program Prerequisites (CPP) (19 hrs)

These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. To enroll in CpE major courses, a 2.0 (C or better) in each course is required.

See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- MAC 2311C Calculus with Analytic Geometry I: GEP
- MAC 2312 Calculus with Analytic Geometry II: 4 hrs
- MAC 2313 Calculus with Analytic Geometry III: 4 hrs
- MAP 2302 Ordinary Differential Equations I: 3 hrs
- PHY 2048C General Physics Using Calculus I: GEP
- PHY 2049C General Physics Using Calculus II: 4 hrs

Select 1: 4 hrs
- CHS 1440 Principles of Chemistry or 4 hrs
- CHM 2045C Chemistry Fundamentals I: 4 hrs

1 Preferred

3. Core Requirements: Basic Level (2 hrs)

- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing these courses, together with the courses required for the major in section 4 below, technical elective courses listed in section 5 below and with the senior design courses listed in section 6 below. Independent study courses generally do not satisfy major requirements.
- EGS 1005C Introduction to the Engineering Profession: 1 hr
- EGN 1007C Engineering Concepts and Methods: 1 hr

4. Core Requirements: Advanced Level (57 hrs)

Engineering Core (6 hrs)
- EGN 3310 Engineering Analysis-Statistics: 3 hrs
- STA 3032 Probability and Statistics for Engineers: GEP

Courses Required for the Major (48 hrs)
- COP 3502C Computer Science I: 3 hrs
- COP 3503C Computer Science II: 3 hrs
- COP 3330 Object Oriented Programming: 3 hrs
- COP 4331C Processes for Object-Oriented Software Development: 3 hrs
- EEL 3004C Electrical Networks: 3 hrs
- EEL 3123C Networks and Systems: 4 hrs
- EEE 3307C Electronics I: 4 hrs
- EEE 3342C Digital Systems: 3 hrs
- EEL 3801C Computer Organization: 3 hrs
- EEL 4742C Embedded Systems: 4 hrs
- EEL 4768 Computer Architecture: 3 hrs
- EEL 4781 Computer Communication Networks: 3 hrs
- COP 4600 Operating Systems: 3 hrs
- EGN 3211 Engineering Analysis and Computation: 3 hrs

A “C” (2.0) or better is required in this course.

5. Restricted Electives (9 hrs)

Courses are available in the BScPfE program to address specific student interests in a variety of technical areas such as Software Engineering. Students should consult with their academic advisor for the identification of courses which are approved technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements (6 hrs)
- EEL 4914 Senior Design I: 3 hrs
- EEL 4915L Senior Design II: 3 hrs

7. Foreign Language Requirements

Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- None

9. Additional Requirements

- Computer engineering students must earn at least 32 hours in residence at UCF.
- 24 of the 32 Residence hours must be at the 3000-5000 level courses taken from the EECS Department at UCF and applicable to the degree program.

10. Required Minors
- None

11. Departmental Exit Requirements

CECS encourages all engineering students to take the Fundamentals Exam during their senior year.
UCF Degree Programs

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 128

Honors In Major

- None

Related Programs

- Computer Science
- Electrical Engineering
- Information Technology
- Mathematics - Engineering/Physics Track
- Physics

Certificates

- None

Related Minors

- Information Technology
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Engineering Leadership
- Mathematics
- Physics

Advising Notes

- Each engineering student should meet regularly with an academic advisor in the major department.
- The Computer Engineering program offers the Accelerated BS/MS Program to students of high academic standing. This program allows up to twelve hours to be shared between the BS and MS degrees. See your department or the Accelerated program section in the back of this catalog for more information.
- Each student should seek academic advise before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.

Transfer Notes

- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.
- EGS 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one hour each) may, with prior approval of the department academic advisor, be moved to the Restricted Elective area.

Acceptable Substitutes for Transfer Courses

- None

Plan of Study (128 hrs)

- The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

Freshman Year - Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGS 1006C</td>
<td>Introduction to the Engineering Profession</td>
<td>1 hr</td>
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<tr>
<td>MAC 2311C</td>
<td>Calculus with Analytic Geometry I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>GEP- Historical Foundation</td>
<td>3 hrs</td>
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</tr>
</tbody>
</table>

Select 1

- SPC 1603C Fundamentals of Technical Presentations 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

Select 1: 4 hrs

- CHS 1440 Principles of Chemistry or 4 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs

Freshman Year - Spring

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>EGN 1007C</td>
<td>Engineering Concepts and Methods</td>
<td>1 hr</td>
</tr>
<tr>
<td>ENC 1101</td>
<td>Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 2312</td>
<td>Calculus with Analytic Geometry II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PHY 2048C</td>
<td>General Physics Using Calculus I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>COT 3100C</td>
<td>Introduction to Discrete Structures</td>
<td>3 hrs</td>
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</table>

Sophomore Year - Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>PHY 2049C</td>
<td>General Physics Using Calculus II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>EGN 3211</td>
<td>Engineering Analysis and Computation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3310</td>
<td>Engineering Analysis-Statics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 2313</td>
<td>Calculus with Analytic Geometry III</td>
<td>4 hrs</td>
</tr>
<tr>
<td>GEP- Historical Foundation</td>
<td>3 hrs</td>
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</table>

Sophomore Year - Spring

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEL 3004C</td>
<td>Electrical Networks</td>
<td>3 hrs</td>
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<tr>
<td>EEE 3342C</td>
<td>Digital Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAP 2302</td>
<td>Ordinary Differential Equations I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP-Science Foundation</td>
<td>3 hrs</td>
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Sophomore Year - Summer

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>EEL 3123C</td>
<td>Networks and Systems</td>
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</tr>
<tr>
<td>EEL 3801C</td>
<td>Computer Organization</td>
<td>3 hrs</td>
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<tr>
<td>GEP- Cultural Foundation</td>
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Junior Year - Fall

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<thead>
<tr>
<th>Course Code</th>
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<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>COP 3330</td>
<td>Object Oriented Programming</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 3502C</td>
<td>Computer Science II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 3032</td>
<td>Probability and Statistics for Engineers</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEE 3307C</td>
<td>Electronics I</td>
<td>4 hrs</td>
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</table>

Select 1: 3 hrs

- EGN 3321 Engineering Analysis-Dynamics or 3 hrs
- EGN 3358 Thermo-Fluids-Heat Transfer 3 hrs

Junior Year - Spring

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COP 3503C</td>
<td>Computer Science II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 4742C</td>
<td>Embedded Systems</td>
<td>4 hrs</td>
</tr>
<tr>
<td>EEL 4768</td>
<td>Computer Architecture</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP- Social Foundation</td>
<td>3 hrs</td>
<td></td>
</tr>
</tbody>
</table>

Senior Year - Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COP 4331C</td>
<td>Processes for Object-Oriented Software Development</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 4914</td>
<td>Senior Design I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
<td></td>
</tr>
</tbody>
</table>

Select 1: 3 hrs

- ECO 2013 Principles of Macroeconomics or 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs

Senior Year - Spring

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COP 4600</td>
<td>Operating Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 4915L</td>
<td>Senior Design II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 4781</td>
<td>Computer Communication Networks</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
<td></td>
</tr>
</tbody>
</table>

- Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oelas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: $42 per term
- Full-Time Student: $84 per term
1. UCF General Education Program (GEP) (39 hrs)

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs

Select 1: 3 hrs
- Prefer SPC 1603C Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (7 hrs)
- Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
- Required STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (8 hrs)
- Prefer BSC 2010C Biology I 4 hrs
- Prefer PHY 2048C General Physics Using Calculus I 4 hrs

2. Common Program Prerequisites (CPP) (17 hrs)
- A “C” (2.0) or better is required in all courses in this area.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- COP 3223C Introduction to Programming with C 3 hrs
- MAC 2311C Calculus with Analytic Geometry I GEP
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- PHY 2048C General Physics Using Calculus I GEP
- PHY 2049C General Physics Using Calculus II 4 hrs

Select 2: 6 hrs
- 4 hours for this requirement assumes that BSC 2010C is taken since the hours for this course are also in the GEP.
- BSC 2010C Biology I or GEP
- CHM 2045C Chemistry Fundamentals I or 4 hrs
- CHM 2046 Chemistry Fundamentals II or 3 hrs
- PHY 3101 General Physics Using Calculus III 3 hrs

3. Core Requirements: Basic Level (24 hrs)
- A “C” (2.0) or better is required in all courses in this area.
- STA 2023 Statistical Methods I GEP
- COP 3330 Object Oriented Programming 3 hrs
- COP 3502C Computer Science I 3 hrs
- COP 3503C Computer Science II 3 hrs
- CDA 3103C Computer Logic and Organization 3 hrs
- COT 3100C Introduction to Discrete Structures 3 hrs
- CIS 3360 Security in Computing 3 hrs
- COP 3402 Systems Software 3 hrs
- COP 3980 CS Foundation Exam 0 hrs

Select 1: 3 hrs
- ENC 3241 Writing for the Technical Professional or 3 hrs
- ENC 3250 Professional Writing 3 hrs

4. Core Requirements: Advanced Level (21 hrs)
- A “C” (2.0) or better is required in all courses in this area.
- Students must maintain at least a 2.5 GPA in the following courses.
- COP 4331C Processes for Object-Oriented Software Development 3 hrs
- EEL 4768 Computer Architecture 3 hrs
- COT 4210 Discrete Structures II 3 hrs
- COP 4020 Programming Languages I 3 hrs
- COP 4600 Operating Systems 3 hrs
- COP 4934 Senior Design I 3 hrs
- COP 4935 Senior Design II 3 hrs

5. Restricted Electives (15 hrs)
- A “C” (2.0) or better is required in all courses in this area.

4000-5000 Level Computer Science Courses 9 hrs
- At most 3 hours of independent study allowed. No internship or cooperative education credits are allowed. Approved IT courses offered by Computer Science may also be used toward this requirement (3 credits).

Advanced Mathematics or Statistics 6 hrs
- Choose at least two courses from the following list of approved choices to satisfy this requirement:
- Any 4000-5000 level courses with STA, MAP, MAA, MAD or MAS prefixes, except independent study hours, internship, or cooperative education hours.
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- MAP 2302 Ordinary Differential Equations I 3 hrs
- MAS 3105 Matrix and Linear Algebra 4 hrs
- MAS 3106 Linear Algebra 4 hrs
UCF Degree Programs

6. Capstone Requirements
- None

7. Foreign Language Requirements
Admissions
- Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

Graduation
- Proficiency exam in a second language, one semester of college level Foreign Language, or 3 credits of multicultural courses approved by Computer Science. This requirement is waived for second degree seeking students.

8. Electives (4 hrs)
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- None

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Computer Engineering
- Information Technology

Certificates
- None

Related Minors
- Information Technology
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Interdisciplinary Informatics Technology

Advising Notes
- The Computer Science program offers the Accelerated BS/MS Program to students of high academic standing. This program allows up to twelve hours to be shared between the BS and MS degrees. See your department or the Accelerated program section in the back of this catalog for more information.

Transfer Notes
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study

Freshman Year - Fall 13 hrs
ENC 1101 Composition I 3 hrs
SPC 1603C Fundamentals of Technical Presentations 3 hrs
COP 3223C Introduction to Programming with C 3 hrs
MAC 2311C Calculus with Analytic Geometry I 4 hrs

Freshman Year - Spring 12 hrs
ENC 1102 Composition II 3 hrs
COT 3100C Introduction to Discrete Structures 3 hrs
COP 3502C Computer Science I 3 hrs
CDA 3103C Computer Logic and Organization 3 hrs
COT 3960 CS Foundation Exam 0 hrs

Freshman Year - Summer 7 hrs
MAC 2312 Calculus with Analytic Geometry II 4 hrs
COP 3330 Object Oriented Programming 3 hrs

Sophomore Year - Fall 13 hrs
COP 3402 Systems Software 3 hrs
COP 3503C Computer Science II 3 hrs
PHY 2048C General Physics Using Calculus I 4 hrs
GEP 3 hrs

Sophomore Year - Spring 13 hrs
COP 4331C Processes for Object-Oriented Software Development 3 hrs
PHY 2049C General Physics Using Calculus II 4 hrs
CIS 3360 Security in Computing 3 hrs

Select 1: 3 hrs
ENC 3241 Writing for the Technical Professional or 3 hrs
ENC 3250 Professional Writing 3 hrs

Sophomore Year - Summer 6 hrs
STA 2023 Statistical Methods I 3 hrs
GEP 3 hrs

Junior Year - Fall 13 hrs
EEL 4768 Computer Architecture 3 hrs
COP 4220 Programming Languages I 3 hrs
BSC 2010C Biology I 4 hrs
GEP 3 hrs

Junior Year - Spring 13 hrs
COP 4600 Operating Systems 3 hrs
CHM 2045C Chemistry Fundamentals I 4 hrs
MathStat Restricted Elective 3 hrs
CS Restricted Elective 3 hrs

Junior Year - Summer 3 hrs
COT 4210 Discrete Structures II 3 hrs

Senior Year - Fall 16 hrs
CS Restricted Elective 3 hrs
GEP 3 hrs
Free Elective 4 hrs
COP 4934 Senior Design I 3 hrs
Multicultural Elective 3 hrs

Senior Year - Spring 12 hrs
CS Restricted Elective 3 hrs
GEP 3 hrs
MathStat Restricted Elective 3 hrs
COP 4935 Senior Design II 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $28 per term
- Full-Time Student: $57 per term

Construction Engineering (B.S.Con.E.)
College of Engineering and Computer Science
Department of Civil, Environmental, and Construction Engineering, Engineering II, Room: 211
http://www.cece.ucf.edu

Caroll Ann Pohl, carollann.pohl@ucf.edu
Dr. Amr A. Oloufa, amr.oulofa@ucf.edu
Phone: 407-823-2841

Admission Requirements
- Students wanting to declare a major in an engineering discipline must be in good academic standing and must have a “C” (2.0) or better in each of the following courses or their equivalents: MAC 2311C, MAC 2312, PHY 2048C, and CHS 1440 or CHM 2045C or CHM 2040 AND CHM 2041.
- Students wanting to declare a major in an engineering discipline must complete a change of major in the term of completion of the final pending prerequisite course(s) listed above.
UCF Degree Programs

Degree Requirements (128 hrs)
- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing the courses from section 3 Basic Core Requirements, section 4 Advanced Core Requirements, section 5 Restricted Electives and section 6 Capstone Requirements. Independent study courses generally do not satisfy major requirements.
- A “C” (2.0) or better is required in each pre-requisite course in section 2 Common Program Prerequisites, section 4 Advanced Core Requirements, and section 6 Capstone Requirements.
- Students in the Construction Engineering major are expected to make consistent good progress toward their degrees to remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Construction Engineering who repeats any UCF course and does not earn a grade of “C” (2.0) or better on the second attempt will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation does not receive a grade of “C” (2.0) or better by the third attempt in the same UCF course, the student will be excused from all CECS and COP majors. Any student majoring in Construction Engineering who has accumulated 7 or more unsuccessful attempts (i.e., grades below “C” (2.0) and withdrawals) over all courses taken at UCF will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation has a tenth unsuccessful attempt over all courses taken at UCF, the student will be excused from all CECS and COP majors.
- A student who is excluded from CECS and COP majors may seek readmission to a major in CECS or COP after at least one full year has passed since exclusion. Readmission is not automatic and is dependent upon a high probability of success after readmission. Any student who is readmitted to the Construction Engineering major will be subject to all probation conditions that applied at the time of exclusion.

1. UCF General Education Program (GEP) (38 hrs)
- The UCF General Education Program (GEP) is described in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida College System or State University system should complete the GEP and the Common Program Prerequisites before transferring.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Required SPC 1603C Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Select two courses from Historical Foundations 6 hrs
- Select one class from MUL 2010, PHI 2010 or THE 2000 3 hrs

C: Mathematical Foundations (7 hrs)
- Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
- Required STA 3023 Probability and Statistics for Engineers 3 hrs

D: Social Foundations (6 hrs)
- Select one course from Social Foundation Group 1 3 hrs
- Select one course from Social Foundation Group 2 3 hrs

E: Science Foundations (7 hrs)
- Required PHY 2048C General Physics Using Calculus I 4 hrs

2. Common Program Prerequisites (CPP) (19 hrs)
- These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. Note: MAC 2311C and PHY 2048/48L also satisfy UCF GEP.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- A grade of “C” (2.0) or better is required in each course in this section.

MAC 2311C Calculus with Analytic Geometry I GEP
MAC 2312C Calculus with Analytic Geometry II 4 hrs
MAC 2313C Calculus with Analytic Geometry III 4 hrs
MAP 2302 Ordinary Differential Equations I 3 hrs
PHY 2048C General Physics Using Calculus I GEP
PHY 2049C General Physics Using Calculus II 4 hrs

Select one of the following sequences of courses:
- Preferred course
  - CHS 1440 Principles of Chemistry 4 hrs
- or - First alternative: Select both of the following:
  - CHM 2040 Chemistry Fundamentals IA and 3 hrs
  - CHM 2041 Chemistry Fundamentals IB 3 hrs
- or - Second alternative
  - CHM 2045C Chemistry Fundamentals I 4 hrs

3. Core Requirements: Basic Level (2 hrs)
- EGS 1006C Introduction to the Engineering Profession 1 hr
- EGN 1007C Engineering Concepts and Methods 1 hr

4. Core Requirements: Advanced Level (55 hrs)
- EGN 3310 Engineering Analysis-Statics 3 hrs
- EGN 3321 Engineering Analysis-Dynamics 3 hrs
- EGN 3331C Mechanics of Materials 3 hrs
- STA 3032 Probability and Statistics for Engineers GEP
- EGN 3613 Engineering Economic Analysis 2 hrs
- ENV 3001 Environmental Engineering 3 hrs
- CWR 3201 Engineering Fluid Mechanics 3 hrs
- CCE 4003 Introduction to the Construction Industry 3 hrs
- CCE 4034 Construction Estimating and Scheduling 3 hrs
- CCE 4813 Mechanical and Electrical Systems for Buildings 4 hrs
- CCE 4402 Construction Equipment and Productivity 3 hrs
- CCE 4404 Construction Methods 3 hrs
- CEG 4011C Geotechnical Engineering I 4 hrs
- CEG 3501C Civil Engineering Materials 3 hrs
- CEG 3700C Civil Engineering Measurements 2 hrs
- ACG 2071 Principles of Managerial Accounting 3 hrs
- CEG 4100C Structural Analysis I and Lab 4 hrs
- CGN 3405 Applied Numerical Methods for Civil Engineering 3 hrs
- CWR 2202C Hydraulics 3 hrs

1 A “C” (2.0) or better is required in this course.

5. Restricted Electives (8 hrs)
- Technical electives are available in the BSConE program to address specific student interests in a variety of technical areas. Students should consult the CECE Web site and their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements (6 hrs)
- Required Senior Design Courses
  - CCE 4810C Construction Design Project 3 hrs
  - CGN 4808C CECE Capstone Design 3 hrs

1 A “C” (2.0) or better is required in this course.

7. Foreign Language Requirements

Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None
8. Electives
- None
9. Additional Requirements

Construction engineering students must take the Fundamentals of Engineering (FE) Exam during their Senior year. Applications must be received by the Florida Board of Professional Engineers approximately 6 months in advance of your exam date.

10. Required Minors

None

11. Departmental Exit Requirements

None

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 128

Honors In Major

None

Related Programs

- Civil Engineering
- Environmental Engineering

Certificates

None

Related Minors

- Mathematics
- Engineering Leadership
- Business

Advising Notes

Each engineering student is assigned a qualified engineering academic advisor in the department of his/her major. Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.

The Construction Engineering program offers the opportunity for exceptionally well qualified undergraduates to enter directly into the PhD program after completion of an appropriate BS degree. This option allows outstanding undergraduates to begin planning a research program with a specific faculty advisor even before finishing the BS, and may allow completion of the PhD in a shorter time period than by taking a separate Master’s followed by the PhD.

Transfer Notes

Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.

EGS 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one hour for each) may, with prior approval of the department academic advisor, be moved to the Restricted Elective area.

Acceptable Substitutes for Transfer Courses

None

Plan of Study (128 hrs)

The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their departmental academic advisor to develop and maintain an appropriate plan of study.

Freshman Year - Fall 15 hrs

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tr>
<td>ENC 1102</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>MAC 2312</td>
<td>Calculus with Analytic Geometry I</td>
<td>4</td>
</tr>
<tr>
<td>PHY 2049C</td>
<td>General Physics Using Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>EGN 1007C</td>
<td>Engineering Concepts and Methods</td>
<td>1</td>
</tr>
<tr>
<td>EGN 3613</td>
<td>Engineering Economic Analysis</td>
<td>2</td>
</tr>
</tbody>
</table>

Sophomore Year - Fall 16 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 2313</td>
<td>Calculus with Analytic Geometry II</td>
<td>4</td>
</tr>
<tr>
<td>EGN 3310</td>
<td>Engineering Analysis-Statics</td>
<td>3</td>
</tr>
<tr>
<td>GEP</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>ENV 3001</td>
<td>Environmental Engineering</td>
<td>3</td>
</tr>
<tr>
<td>STA 3032</td>
<td>Probability and Statistics for Engineers</td>
<td>3</td>
</tr>
</tbody>
</table>

Sophomore Year - Spring 16 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAP 2302</td>
<td>Ordinary Differential Equations</td>
<td>3</td>
</tr>
<tr>
<td>EGN 3331C</td>
<td>Mechanics of Materials</td>
<td>3</td>
</tr>
<tr>
<td>PHY 2049C</td>
<td>General Physics Using Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>EGN 3321</td>
<td>Engineering Analysis-Dynamics</td>
<td>3</td>
</tr>
<tr>
<td>CGN 3405</td>
<td>Applied Numerical Methods for Civil Engineering</td>
<td>3</td>
</tr>
</tbody>
</table>

Sophomore Year - Summer 9 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>CCE 4003</td>
<td>Introduction to the Construction Industry</td>
<td>3</td>
</tr>
<tr>
<td>CWR 3201</td>
<td>Engineering Fluid Mechanics</td>
<td>3</td>
</tr>
<tr>
<td>GEP</td>
<td></td>
<td>3</td>
</tr>
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Junior Year - Fall 16 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CES 4100C</td>
<td>Structural Analysis I and Lab</td>
<td>4</td>
</tr>
<tr>
<td>GEP</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>CCE 4034</td>
<td>Construction Estimating and Scheduling</td>
<td>3</td>
</tr>
<tr>
<td>CCE 4813</td>
<td>Mechanical and Electrical Systems for Buildings</td>
<td>4</td>
</tr>
<tr>
<td>CGN 3700C</td>
<td>Civil Engineering Measurements</td>
<td>2</td>
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</table>

Junior Year - Spring 16 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>CCE 4004</td>
<td>Construction Methods</td>
<td>3</td>
</tr>
<tr>
<td>CCE 4402</td>
<td>Construction Equipment and Productivity</td>
<td>3</td>
</tr>
<tr>
<td>CCE 4810C</td>
<td>Construction Design Project</td>
<td>3</td>
</tr>
<tr>
<td>CEG 4011C</td>
<td>Geotechnical Engineering I</td>
<td>4</td>
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<tr>
<td>GEP</td>
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Senior Year - Fall 14 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>CGN 3501C</td>
<td>Civil Engineering Materials</td>
<td>3</td>
</tr>
<tr>
<td>Approved Technical Elective</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>ACG 2071</td>
<td>Principles of Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>CWR 4202C</td>
<td>Hydraulics</td>
<td>3</td>
</tr>
<tr>
<td>GEP</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

Senior Year - Spring 12 hrs

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CGN 4808C</td>
<td>CECE Capstone Design</td>
<td>3</td>
</tr>
<tr>
<td>GEP</td>
<td>Technical Electives</td>
<td>3</td>
</tr>
<tr>
<td>Technical Electives</td>
<td>6</td>
<td></td>
</tr>
</tbody>
</table>

Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: $43 per term
- Full-Time Student: $65 per term

Criminal Justice (B.A. / B.S.)

College of Health and Public Affairs

Department of Criminal Justice, Health and Public Affairs, Room: 311

http://www.cohpa.ucf.edu/crim.jus/

Email: cjadvise@mail.ucf.edu

Cory Watkins

Phone: 407-823-2603

Admission Requirements

None

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program before transferring within the Florida College System or State University system.
The courses designated in section 1 below may be taken at a Florida College System institution, and should usually be completed in the first 60 hours.

Students must earn a minimum 2.0 overall GPA in the core requirements and the restricted electives.

Students must earn a grade of C- (1.75) or better in each core course.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   D: Social Foundations (6 hrs)
   E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)
   None

3. Core Requirements: Basic Level
   None

4. Core Requirements: Advanced Level (21 hrs)
   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

   - CCJ 3024 Criminal Justice System 3 hrs
   - CCJ 3014 Crime in America 3 hrs
   - CJL 3510 Prosecution and Adjudication 3 hrs
   - CCJ 4014 Police and Society 3 hrs
   - CCJ 4701 Research Methods in Criminal Justice 3 hrs
   - CCJ 4746 Data Analysis for Criminal Justice 3 hrs

5. Restricted Electives (39 hrs)
   27 additional semester hours of upper division criminal justice course work. Seniors can satisfy up to six hours of this requirement with internship and up to six hours with directed independent study; however, the combination of these non-class options shall not exceed nine hours. Program standards must be met to be eligible for either internship or independent study credit.

   - 12 additional semester hours of supporting courses to be selected from an approved list provided by the department. These courses may vary from student to student depending upon individual needs or objectives, but include selected courses from public administration, legal studies, sociology, statistics, and psychology. The supporting course requirements may also be met by using 12 hours from a completed minor in another program approved by the department.

6. Capstone Requirements
   None

7. Foreign Language Requirements
   Admissions
   - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

   Graduation
   - Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at college level. The foreign language credits may be used toward the 12 hour supporting course requirement. Students taking American Sign Language (ASL) to satisfy B.A. foreign language requirement must complete three semesters of ASL classes.

8. Electives
   None

9. Additional Requirements
   None

10. Required Minors
    None

11. Departmental Exit Requirements
    Students must take a minimum of 36 hours of upper-division CJ credit from the UCF Criminal Justice department to obtain the UCF degree in Criminal Justice.

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF.
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
120

Honors In Major
- Interested students should consult with a faculty advisor.

Related Programs
- Legal Studies
- Certificates
  - Crime Analysis and Crime Mapping
  - Criminal Profiling
  - Security Management
  - Crime Scene Investigation
  - Victim Advocacy

Related Minors
- Legal Studies
- Public Administration
- Psychology

Advising Notes
- None

Transfer Notes
- "D" (1.0) grades are not accepted.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study

Freshman Year - Fall 14 hrs
- ENC 1101 Composition I 3 hrs
- 1 PAF 2102 Public Affairs Careers 2 hrs
- GEP Math 3 hrs
- GEP Social 3 hrs
- GEP Historical 3 hrs

Sophomore Year - Fall 15 hrs
- GE 2080 Introduction to Legal Studies 3 hrs
- CCJ 3024 Criminal Justice System 3 hrs
- Restricted Elective 3 hrs
- Free Elective 3 hrs

Sophomore Year - Spring 15 hrs
- CCJ 3014 Crime in America 3 hrs
- CCJ 4701 Research Methods in Criminal Justice 3 hrs
- Restricted Elective 3 hrs
- Free Elective 3 hrs

Junior Year - Fall 15 hrs
- CCJ 3010 Corrections and Penology 3 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs

Junior Year - Spring 15 hrs
- CCJ 4746 Data Analysis for Criminal Justice 3 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs

Updated: 12/1/2011
UCF Degree Programs

Criminal Justice Scholar's Track (B.A. / B.S.)

College of Health and Public Affairs
Department of Criminal Justice,
Health and Public Affairs 1, Room: Room 311
http://www.cohpa.ucf.edu/crim.jus/
Email: cjadvise@ucf.edu
Cory Watkins, UG Program Coordinator
Phone: 407-823-2603

Admission Requirements
■ An application is required. Minimum overall GPA of 3.0 for Admission.
■ Applicant must declare this specific track.
■ A grade of ‘B’ (3.0) or better in ENC 1101 and ENC 1102 is required.
■ Writing sample may be required if above requirement is not met.

Degree Requirements
■ Students who change degree programs and select this major must adopt the most current catalog.
■ Students should complete the General Education Program before transferring within the Florida College System or State University System.
■ The courses designated in section 1 below may be taken at a Florida College System institution, and should usually be completed in the first 60 hours.
■ Students must complete a minimum of 36 hours of upper division credit completed in residency at UCF.
■ Students must earn a minimum 2.0 overall GPA in the core requirements and the restricted electives.
■ Students must earn a grade of C- (1.75) or better in each core course.

1. UCF General Education Program (GEP) (36 hrs)
A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (6 hrs)
D: Social Foundations (6 hrs)
E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)
■ None

4. Core Requirements: Advanced Level (33 hrs)
■ See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
CCJ 3014 Crime in America 3 hrs
CCJ 3024 Criminal Justice System 3 hrs
CJC 3010 Corrections and Penology 3 hrs
CJE 3510 Prosecution and Adjudication 3 hrs
CJE 4014 Police and Society 3 hrs
CCJ 4701 Research Methods in Criminal Justice 3 hrs
CCJ 4746 Data Analysis for Criminal Justice 3 hrs

Scholar's Seminar 12 hrs
■ Students accepted into CJ Scholar’s Track will take CCJ 4934 four times with different topics for a total of 12 hours.
CCJ 4934 Emergent Criminal Justice Issues 3 hrs

5. Restricted Electives (27 hrs)
■ 15 additional semester hours of upper division criminal justice course work. Seniors can satisfy up to six hours of this requirement with internship and up to six hours with directed independent study; however, the combination of Program standards must be met to be eligible for either internship or independent study credit.
■ 12 additional semester hours of supporting courses to be selected from an approved list provided by the department. These courses may vary from student to student depending upon individual needs or objectives, but included selected courses from public administration, legal studies, sociology, statistics, and psychology. The supporting course requirements may also be met by using 12 hours from a completed minor in another program approved by the department.

6. Capstone Requirements
■ None

7. Foreign Language Requirements
Admissions
■ Two years of one foreign language in high school or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
Graduation
■ Students pursuing a B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at college level. The foreign language credits may be used toward the 12 hour supporting course requirement. Students taking American Sign Language (ASL) to satisfy B.A. foreign language requirement must complete three semesters of ASL classes.

8. Electives
■ None

9. Additional Requirements
■ Students whose overall GPA falls below 3.0 out of a possible 4.0 will not be permitted to continue in the track and will be transferred to the Criminal Justice BA/BS degree.

10. Required Minors
■ None

11. Departmental Exit Requirements
■ Students must take a minimum of 36 hours of upper-division CJ credit from the UCF Criminal Justice department to obtain the UCF degree in Criminal Justice.

12. University Minimum Exit Requirements
■ A 2.0 UCF GPA
■ 60 semester hours earned after CLEP awarded
■ 48 semester hours of upper division credit completed
■ 30 of the last 39 hours of course work must be completed in residency at UCF.
■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
■ Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
120

Honors In Major
■ Interested students should consult with a faculty advisor.

Related Programs
■ Legal Studies
■ Public Administration

Certificates
■ Crime Analysis and Crime Mapping
■ Criminal Profiling
■ Security Management
■ Crime Scene Investigation
■ Victim Advocacy
### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

### Digital Media Core: Basic

**Digital Media (B.A.)**  
**College of Arts and Humanities**  
**School of Visual Arts and Design,**  
**Visual Arts Building, Room: 117**  
**Email:** svadadvising@ucf.edu  
**Phone:** 407-823-2676

The B.A. in Digital Media allows students to integrate the multiple domains of art, storytelling, and technology. It is designed to provide a solid foundation in techniques and theory in one focused area of competence, provide a broad understanding of related disciplines including arts, humanities, and technology, and provide extended experience in working in multidisciplinary teams on realistic problems. The program is administered through the School of Visual Arts and Design with the College of Arts and Humanities. It recognizes that there are many combinations of courses which meet the needs of individual students. Two specializations - Game Design and Web Design - lead to a Bachelor of Arts degree. Note: Although the School of Visual Arts and Design maintains a computer lab for student use, majors must have continual access to a computer. Contact the UCF Computer Store or see the website [http://www.cstore.ucf.edu](http://www.cstore.ucf.edu) for the minimum hardware and software specifications.

### Admission Requirements

- None

### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement consists of at least 12 regular semesters and 24 semester hours of regular scheduled course work taken from the UCF School of Visual Arts and Design.
- Students must earn at least a “C” (2.0) in each required course, except DIG 2000 and DIG 4713 as noted.
- Co-op or internship credits are not permitted in this major without prior written permission.
- Students should consult with a School advisor at least once annually.

### 1. UCF General Education Program (GEP) (37 hrs)

#### A: Communication Foundations (9 hrs)
- Required  ARH 2050 History of Western Art I and  
- Required  ARH 2051 History of Western Art II and  
- Select one additional course from approved list

#### B: Cultural & Historical Foundations (9 hrs)
- Required  DIG 2000 Introduction to Digital Media  
- Required  DIG 2030 Digital Video Fundamentals  
- Required  DIG 2109 Digital Imaging Fundamentals  
- Required  DIG 2500 Fundamentals of Interactive Design

### C: Mathematical Foundations (7 hrs)
- Required  COP 2500C Concepts in Computer Science  
- Required  COP 2500C Concepts in Computer Science  
- Required  MAC 1105C College Algebra

1. May substitute more advanced version

#### Take all of the following: 9 hrs

- **Required**  COP 2500C Concepts in Computer Science  
- **Required**  MAC 1105C College Algebra

#### D: Social Foundations (6 hrs)

#### E: Science Foundations (6 hrs)

#### 2. Common Program Prerequisites (CPP) (6 hrs)

- **ARH 2050** History of Western Art I  
- **ARH 2051** History of Western Art II  
- **ART 2201C** Design Fundamentals-Two Dimensional  
- **ART 2300C** Drawing Fundamentals I  
- **COE 2500C** Concepts in Computer Science  
- **MAC 1105C** College Algebra

### 3. Core Requirements: Basic Level (12 hrs)

- Admission to all courses after DIG 2000 is dependent on the student achieving at least a “B” (3.0) in DIG 2000.
UCF Degree Programs

4. Core Requirements: Advanced Level (12 hrs)

Digital Media Core: Advanced
DIG 3024 Digital Cultures & Narrative 3 hrs
DIG 3480 Computer as a Medium 3 hrs
DIG 3525 Digital Media Production I 3 hrs
DIG 4780C Modeling for Realtime Systems 3 hrs

Game Design 42 hrs
■ Admission to all courses after DIG 4713 is dependent on the student achieving at least a “B” (3.0) in DIG 4713.

Game Design: Basic Concentration 24 hrs
COP 3223C Introduction to Programming with C and 3 hrs
COP 3330 Object Oriented Programming and 3 hrs
DIG 4630C Media Business Practices and 3 hrs
DIG 4713 Game Design and 3 hrs
DIG 4715C Game Production and 3 hrs
DIG 4720C Casual Game Production and 3 hrs
DIG 4780C Modeling for Realtime Systems 3 hrs
GRA 2151C Illustration 3 hrs

Game Design: Restricted Electives 18 hrs
■ Complete 18 hours of credits from the following areas:
■ NOTE: DIG 4725C Must be taken at least two times. It is repeatable for credit.
12 additional hrs of 3000 or 4000 level courses from ART, ARH, FIL, GRA, DIG or any 3000 or 4000 level courses approved by the school and
DIG 4725C Game Design Workshop 6 hrs

Web Design 42 hrs

Web Design: Basic Concentration 24 hrs
DIG 3134 Media Software Design and 3 hrs
DIG 3563 Information Management and 3 hrs
Entrepreneurship and
DIG 3716C Internet Interaction and 3 hrs
DIG 3811 User-Centered Design and 3 hrs
DIG 4503 Rapid Application Web Development and 3 hrs
DIG 4530C Media for e-Commerce and 3 hrs
DIG 4630C Media Business Practices and 3 hrs
GRA 3903C Intermediate Computer Graphic Design 3 hrs

Web Design: Restricted Electives 18 hrs
■ Complete 18 hours of credits from the following areas:
■ Note: DIG 4104C must be taken at least two times. It is repeatable for credit.
12 additional hrs of 3000 or 4000 level courses from ART, ARH, FIL, GRA, DIG or any 3000 or 4000 level digital media courses approved by the school and DIG 4725C Game Design Workshop 6 hrs

5. Restricted Electives
■ None
6. Capstone Requirements
■ None
7. Foreign Language Requirements
Admissions
■ Met by graduation requirement.
Graduation
■ Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages. Standardized examinations for foreign languages may be used to meet the requirement.
8. Electives
■ Electives may be taken in allied programs such as Art, Music, Philosophy, English, Film, the Nicholson School of Communication, Computer Science, etc. as approved by the School.
9. Additional Requirements
■ None
10. Required Minors
■ None
11. Departmental Exit Requirements
■ None
12. University Minimum Exit Requirements
■ A 2.0 UCF GPA
■ 60 semester hours earned after CLEP awarded
■ 48 semester hours of upper division credit completed
■ 30 of the last 39 hours of course work must be completed in residency at UCF.
■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
■ Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
■ 120

Honors In Major
■ None

Related Programs
■ Art
■ Computer Science
■ English - Creative Writing
■ English - Literature
■ English - Technical Communication
■ Film - Cinema Studies Track
■ Music

Certificates
■ None

Related Minors
■ Art - Studio
■ Information Technology
■ Computer Science
■ English - Technical Communication
■ Film - Cinema Studies
■ Music

Advising Notes
■ http://svad.cah.ucf.edu/students
■ svadadvising@ucf.edu

Transfer Notes
■ Grades less than ‘C’ (2.0) are not accepted.
■ Lower division courses do not substitute for upper division courses.
■ Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
■ None

Plan of Study
■ None

Game Design

Freshman Year - Fall 15 hrs
ART 2051 History of Western Art I 3 hrs
ENC 1101 Composition I 3 hrs
MAC 1105C College Algebra 3 hrs
GEP Cultural & Historical Foundation 3 hrs
GEP Social Foundation 3 hrs

Freshman Year - Spring 16 hrs
ART 2051 History of Western Art II 3 hrs
COP 2500C Concepts in Computer Science 4 hrs
DIG 2000 Introduction to Digital Media 3 hrs
ENC 1102 Composition II 3 hrs
GEP Social Foundation 3 hrs

Freshman Year - Summer 6 hrs
GEP Science Foundation 3 hrs
GEP Science Foundation 3 hrs

Sophomore Year - Fall 15 hrs
ART 2201C Design Fundamentals-Two Dimensional 3 hrs
DIG 2030 Digital Video Fundamentals 3 hrs
DIG 2109 Digital Imaging Fundamentals 3 hrs
DIG 2500 Fundamentals of Interactive Design 3 hrs
GEP Communication Foundation 3 hrs

Sophomore Year - Spring 15 hrs
ART 2300C Drawing Fundamentals I 3 hrs
DIG 3024 Digital Cultures & Narrative 3 hrs
DIG 3480 Computer as a Medium 3 hrs
DIG 3525 Digital Media Production I 3 hrs
DIG 4780C Modeling for Realtime Systems 3 hrs

Junior Year - Fall 12 hrs
COP 3223C Introduction to Programming with C 3 hrs
DIG 4630C Media Business Practices 3 hrs
GRA 2151C Game Design 3 hrs

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### Junior Year - Spring
- **12 hrs**
  - **COP 3330** Object Oriented Programming 3 hrs
  - **DIG 4715C** Game Production 3 hrs
  - **DIG 4720C** Casual Game Production 3 hrs
  - **FIL 3720C** Introduction to Animation 3 hrs

### Senior Year - Fall
- **16 hrs**
  - **DIG 4725C** Game Design Workshop 3 hrs
  - **Foreign Language Elementary Level I** 4 hrs
  - **Elective** 3 hrs
  - **Restricted Elective** 3 hrs
  - **Restricted Elective** 3 hrs

### Senior Year - Spring
- **13 hrs**
  - **DIG 4725C** Game Design Workshop 3 hrs
  - **Foreign Language Elementary Level II** 4 hrs
  - **Restricted Elective** 3 hrs
  - **Restricted Elective** 3 hrs

### Freshman Year - Summer
- **6 hrs**
  - **GEP** Science Foundation 3 hrs
  - **GEP Science Foundation 3 hrs

### Sophomore Year - Fall
- **15 hrs**
  - **ART 2210C** Design Fundamentals-Two Dimensional 3 hrs
  - **DIG 2030** Digital Video Fundamentals 3 hrs
  - **DIG 2109** Digital Imaging Fundamentals 3 hrs
  - **DIG 2500** Fundamentals of Interactive Design 3 hrs
  - **GEP Communication Foundation** 3 hrs

### Sophomore Year - Spring
- **15 hrs**
  - **ART 2300C** Drawing Fundamentals I 3 hrs
  - **DIG 3024** Digital Cultures & Narrative 3 hrs
  - **DIG 3480** Computer as a Medium 3 hrs
  - **DIG 3525** Digital Media Production I 3 hrs
  - **DIG 4780C** Modeling for Realtime Systems 3 hrs

### Junior Year - Fall
- **13 hrs**
  - **DIG 3563** Information Management and Entrepreneurship 3 hrs
  - **DIG 4630C** Media Business Practices 3 hrs
  - **Foreign Language Elementary Level I** 4 hrs
  - **Restricted Elective** 3 hrs

### Junior Year - Spring
- **13 hrs**
  - **DIG 3134** Media Software Design 3 hrs
  - **DIG 3716C** Internet Interaction 3 hrs
  - **DIG 3811** User-Centered Design 3 hrs
  - **Foreign Language Elementary Level II** 4 hrs

### Senior Year - Fall
- **15 hrs**
  - **DIG 4104C** Web Design Workshop 3 hrs
  - **DIG 4530C** Media for e-Commerce 3 hrs
  - **GRA 3903C** Intermediate Computer Graphic Design 3 hrs
  - **Elective** 3 hrs
  - **Restricted Elective** 3 hrs

### Senior Year - Spring
- **15 hrs**
  - **DIG 4104C** Web Design Workshop 3 hrs
  - **DIG 4503** Rapid Application Web Development 3 hrs
  - **Elective** 3 hrs
  - **Restricted Elective** 3 hrs
  - **Restricted Elective** 3 hrs

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  - [http://www.oaes.ucf.edu/alc/academic_learning_compacts.htm](http://www.oaes.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees
- Part-Time Student: $16.50 per term
- Full-Time Student: $33 per term

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### UCF Degree Programs

#### Early Childhood Development and Education Track

**1: Education: Pre-Kindergarten - Primary (PK-3)**

**B.S.**

**College of Education and Human Performance**

**Department of Child, Family and Community Sciences, Education Building, Room: 209**

[http://education.ucf.edu/ece/](http://education.ucf.edu/ece/)

**Email: ece@mail.ucf.edu**

Dr. Judy Levin, ED 122L, Judith.Levin@ucf.edu

Phone: 407-823-4615

**EDUCATION: PRE-KINDERGARTEN-PRIMARY (PK-3) TRACK**

Early Childhood Development and Education majors take a variety of courses related to young children and their learning, development, and family environment. Students in the Education: Pre-Kindergarten-Primary (Pre-K-3rd) Track are working toward teacher certification in Pre-Kindergarten-Primary (PK-3) with ESOL Endorsement and Reading Endorsement. Students in this track take a series of core and specialization courses to prepare them to teach in the schools and to demonstrate mastery of the Florida Educator Accomplished Practices (FEAP). Early and continuous field experiences are provided to enhance the students in this track with an integration of theory and practice in school settings. Throughout the program, students document and reflect upon their accomplishments in a Professional Portfolio, which is continuously reviewed by faculty. This degree culminates in a semester-long internship.

**Admission Requirements**

- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida College System or State University System institution.
- Have a minimum 2.75 overall GPA, with provisional acceptance for one semester if GPA is 2.5 (GPA must be 2.75 by the second semester).
- Complete all Education Common Program Prerequisite courses with a minimum grade of “C” (2.0) or better.
- Pass all four parts of the General Knowledge Test.
- Meet the Gordon Rule Requirement.
- Meet Foreign Language Admission Requirement.

**Degree Requirements**

- Students must seek advising through the Early Childhood Development and Education staff in the Education Complex, Suite 122 or by email (ece@mail.ucf.edu) prior to registering for classes.
- The courses designated in 1. (General Education) and 2. (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- Students must earn a “C” (2.0) or better in each required Early Childhood Development and Education course. However, a minimum overall 2.75 GPA in all courses within the major is required.
- Passing scores on ALL three sections of the Florida Teacher Certification Examination (FTCE). See [http://www.fldoe.org](http://www.fldoe.org) for available test dates and test sites. FTCE General Knowledge Test (GKT)-passing scores on the GKT is required prior to admission to the major. FTCE Professional Education Test (PEd) and Subject Area Examination (SAE-Prekindergarten/Primary PK-3) are required prior to entry into Internship.
- FTCE General Knowledge Test (GKT) - passing scores on the GKT are strongly recommended prior to semester 1 of the junior year and required for admission into the Early Childhood Development and Education, Track 1-Education: Pre-Kindergarten-Primary (Pre-K-3rd).
- FTCE Professional Education Test (PEd) and Subject Area Examination (SAE-Prekindergarten/Primary PK-3) are required prior to entry into Internship.
UCF Degree Programs

This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. UCF General Education Program (GEP) (36 hrs)
   - Students are advised to take the preferred courses.
   - Required ENC 1101 Composition I
   - Required ENC 1102 Composition II
   - Prefer SPC 1608 Fundamentals of Oral Communication

2. Common Program Prerequisites (CPP) (9 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   - EDF 2050 Introduction to the Teaching Profession
   - EDF 2085 Introduction to Diversity for Educators
   - EME 2040 Introduction to Technology for Educators

3. Core Requirements: Basic Level (15 hrs)
   - EDF 2130 Child and Adolescent Development for Educators
   - EEC 2732 Health, Safety, and Nutrition for Young Children

Select 1: 3 hrs
   - MAC 1105C College Algebra
   - MAE 2801 Elementary School Mathematics

Select 1: 3 hrs
   - ARE 2000 Early Childhood Art and Creativity
   - MUE 2211 Early Childhood Music and Movement

Admissions

State University System foreign language admission requirement: Two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation

None

Electives

None
UCF Degree Programs

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Achieve a minimum overall 2.75 GPA in all courses within the major.
- In courses throughout the program, you must upload key assignments into your LiveText Dashboard. These key assignments are then assessed by faculty. The resulting data provides evidence of your demonstrated professional growth, reflection, and proficiency in all Florida Educator Accomplished Practices. Together these assignments provide potential employers with a snapshot picture of the skills attained in your academic program.
- All teacher education candidates, Life Long Learning majors and Early Childhood Development and Education majors (all ECDE tracks) are required to complete all LiveText requirements in order to be cleared for graduation. See http://livetext.education.ucf.edu/.
- Complete a TESOL notebook as required for ESOL Endorsement.
- Pass all applicable sections of the Florida Teacher Certification Examination. See http://www.fldoe.org for test dates and sites. Effective January 1, 2015, only examination results earned by educators within 10 years prior to the date of application for a new Florida Educator’s Certificate with the Florida Department of Education may be acceptable for certification eligibility requirements (SBE Rule 6A-4.002)

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- This recommended sequence may vary at selected regional campus locations. Consult with your Education advisor and review your degree audit for more recent information.

Freshman Year - Fall
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- ENC 1101 Composition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- PSY 2012 General Psychology 3 hrs
- EDF 2005 Introduction to Diversity for Educators 3 hrs
- ENC 1102 Composition II 3 hrs
- MAC 1105C College Algebra 3 hrs
- PSC 1121 Physical Science 3 hrs

Freshman Year - Spring
- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- EEC 2732 Health, Safety, and Nutrition for Young Children 3 hrs
- EEX 3450 Young Children With Special Needs 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs
- EEC 4268 Curriculum Activities in Early Childhood 3 hrs

Sophomore Year - Fall
- EEC 3700 Social and Emotional Development of Young Children 3 hrs
- EEC 4661 Early Childhood Education Theory and Practice 3 hrs
- EEX 4751 Parent Involvement in Education 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs
- EEC 4268 Curriculum Activities in Early Childhood 3 hrs

Sophomore Year - Spring
- EEC 4661 Early Childhood Education Theory and Practice 3 hrs
- EEC 4751 Parent Involvement in Education 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs
- EEC 4268 Curriculum Activities in Early Childhood 3 hrs

Junior Year - Fall
- EEC 4303 Planning Creative Activities in Early Childhood Education 3 hrs
- RED 3012 Basic Foundations of Reading 3 hrs

Junior Year - Spring
- EEC 4604 Classroom Management and Guidance of Young Children 3 hrs
- EEC 4207 Assessment and Evaluation of Young Children 3 hrs
- TSL 4240 Issues in Second Language Acquisition 3 hrs
- EEX 3450 Young Children With Special Needs 3 hrs
- RED 3310 Early Reading, Writing and Language Arts 3 hrs

Senior Year - Fall
- MAE 4300 Math Curriculum and Assessment in Early Childhood 3 hrs
- SCE 3404 Teaching Science and Technology to Young Children 3 hrs
- RED 4311 Primary Reading, Writing, and Language Arts Curriculum and Assessment 3 hrs
- EEC 4235C Early Childhood Education Seminar: Bridging Theory to Practice 3 hrs

Senior Year - Spring
- EEC 4268 Curriculum Activities in Early Childhood 3 hrs
UCF Degree Programs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oes.ucf.edu/aic/academic_learning_compacts.htm

Early Childhood Development and Education Track
2: Early Childhood Development (B.S.)

College of Education and Human Performance
Department of Child, Family and Community Sciences, Education Complex
http://education.ucf.edu/ece/
Email: ece@ucf.edu
Dr. Judy Levin, 122L, Judith.Levin@ucf.edu
Phone: 407-823-4615

EARLY CHILDHOOD DEVELOPMENT TRACK
Early Childhood Development majors take a variety of courses related to young children and their learning, development, and family environment. Students take a series of core and specialization courses to prepare them to work with children, parents, and families in a variety of settings. Throughout the program, students document and reflect upon their accomplishments in a Professional Portfolio, which is continuously reviewed by faculty. This degree culminates in a semester-long practicum.

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida College System or State University System institution.
- Have a minimum 2.75 overall GPA, with provisional acceptance for one semester if GPA is 2.5 (GPA must be 2.75 by the second semester).
- Complete Child Development Common Program Prerequisite courses with a minimum letter grade of "C" (2.0) or better.
- Meet the Gordon Rule Requirement.
- Meet Foreign Language Admission Requirement.

Degree Requirements
- Students must seek advising through the Early Childhood Development and Education staff in the Education Complex, Suite 122 or by e-mail (ece@ucf.edu) prior to registering for classes.
- The courses designated in 1. (General Education) and 2. (Prerequisites) should be completed prior to admission to the major and upper division education courses.
- Students must earn a "C" (2.0) or better in each required Early Childhood Development and Education course. However, a minimum overall 2.75 GPA in all courses within the major is required.

1. UCF General Education Program (GEP) (36 hrs)
- Students are advised to take the preferred courses.
  A: Communication Foundations (9 hrs)
  Required ENC 1101 Composition I 3 hrs
  Required ENC 1102 Composition II 3 hrs
  Select 1: 3 hrs
  Prefer MUL 1030 Enjoyment of Music or 3 hrs
  Prefer PHI 1105 Introduction to Philosophy or 3 hrs
  Prefer THE 2000 Theatre Survey 3 hrs
  General Education Program elective from section B1 to meet Gordon Rule Requirement.
  General Education Program elective: Prefer a second course from GEP section B1.

B: Cultural & Historical Foundations (9 hrs)
General Education Program elective from section B2:
  Prefer MUL 1030 Enjoyment of Music or 3 hrs
  Prefer PHI 1105 Introduction to Philosophy or 3 hrs
  Prefer THE 2000 Theatre Survey 3 hrs
  General Education Program elective from section B1 to meet Gordon Rule Requirement.
  General Education Program elective: Prefer a second course from GEP section B1.

C: Mathematical Foundations (6 hrs)
Select 1:
  Prefer MGF 1106 Finite Mathematics or 3 hrs
  Prefer MGF 1107 Explorations in Mathematics 3 hrs
Select 2:
  Prefer STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
  Prefer STA 204C Principles of Statistics 3 hrs

D: Social Foundations (6 hrs)
- Prefer PSY 1010 Psychology 3 hrs
- Prefer PSY 2010 General Psychology 3 hrs
- Prefer POS 2041 American National Government 3 hrs

E: Science Foundations (6 hrs)
- Prefer PSC 1101 Physical Science 3 hrs
- Prefer BSC 1005 Biological Principles 3 hrs

2. Common Program Prerequisites (CPP) (6 hrs)
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
  EDF 2085 Introduction to Diversity for Educators 3 hrs
  DEP 2004 Developmental Psychology 3 hrs

3. Core Requirements: Basic Level (18 hrs)
- MUE 2211 Early Childhood Music and Movement 3 hrs
- ARE 2000 Early Childhood Art and Creativity 3 hrs
- SYG 2010 Social Problems 3 hrs
- EEC 2732 Health, Safety, and Nutrition for Young Children 3 hrs
- Select 6 hours of Restricted Electives with advisor approval. Students interested in a career as a Child Life Specialist must select SOW 3104 as one of their electives.

4. Core Requirements: Advanced Level (60 hrs)
- All methods/specialization_foundations courses must be completed with a letter grade of "C" (2.0) or better before registering for Practicum: Early Childhood Development. However, a minimum GPA of 2.75 is required in the professional, specialization and overall for admission to Practicum: Early Childhood Development.

Semester I 15 hrs
  EEC 3700 Social and Emotional Development of Young Children 3 hrs
  EEC 4661 Early Childhood Education Theory and Practice 3 hrs
  EEC 3613 Observation and Assessment of Young Children 3 hrs
  EEC 3214 Child Development 3 hrs
  EEC 3008 Early Childhood Children’s Literature 3 hrs

Semester II 15 hrs
  EEC 4604 Classroom Management and Guidance of Young Children 3 hrs
  EEC 4402 Cultural and Family Systems 3 hrs
  EEX 3450 Young Children With Special Needs 3 hrs
  RED 3310 Early Reading, Writing and Language Arts 3 hrs
  EEC 4414 Parent-Child Relations 3 hrs

Semester III 6 hrs
  EEC 4303 Planning Creative Activities in Early Childhood Education 3 hrs
  EEC 4528 Infant/Toddler Care and Education 3 hrs

Semester IV 12 hrs
  PET 4050C Motor Development and Learning 3 hrs

Select Three Early Childhood Development Track Electives
- Note: Students must consult with their advisor regarding approval for other elective options.
  EEC 4261 Curriculum Activities in Early Childhood or 3 hrs
  EEC 4524 Organization and Management in Early Childhood or 3 hrs
  EXP 3604 Cognitive Psychology or 4 hrs
  PEO 3041 Games Analysis or 3 hrs
  PET 3820 Teaching Sports Skills I or 3 hrs
  PET 4710 Methods for Physical Activity for Children and Adolescents or 3 hrs
  TSL 4080 Theory and Practice of Teaching ESOL to Students in Schools or 3 hrs
### Semester V - 12 hrs

- **SOW 4650**  Child Abuse: Treatment and Prevention or 3 hrs
- **SOW 4654**  Children’s Services or 3 hrs
- **EEC 4744**  Child Life: Psychosocial Care of Children in Health Settings or 3 hrs
- **SOW 3104**  Human Behavior and the Social Environment I or 3 hrs
- **EEC 4751**  Parent Involvement in Education 3 hrs

### Total Semester Hours Required

- **Graduation**: A 2.0 UCF GPA
- **Electives**: None
- **Required Minors**: None
- **Advising Notes**: In addition to EDF 2085, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

### Freshman Year - Fall - 12 hrs

- **EDF 2085**  Introduction to Diversity for Educators 3 hrs
- **ENC 1101**  Composition I 3 hrs
- **MGF 1106**  Finite Mathematics 3 hrs
- **PSY 2012**  General Psychology 3 hrs

### Sophomore Year - Fall - 15 hrs

- **EEC 3008**  Early Childhood Children’s Literature 3 hrs
- **EEC 3214**  Child Development 3 hrs
- **EEC 3613**  Observation and Assessment of Young Children 3 hrs
- **EEC 3700**  Social and Emotional Development of Young Children 3 hrs
- **EEC 4661**  Early Childhood Education Theory and Practice 3 hrs
- **EEC 3214**  Child Development 3 hrs
- **EEC 3008**  Early Childhood Children’s Literature 3 hrs

### Junior Year - Fall - 15 hrs

- **EEC 4604**  Classroom Management and Guidance of Young Children 3 hrs
- **ECC 4402**  Cultural and Family Systems 3 hrs
- **EEX 3450**  Young Children With Special Needs 3 hrs
- **RED 3310**  Early Reading, Writing and Language Arts 3 hrs
- **EEC 4414**  Parent-Child Relations 3 hrs

### Senior Year - Fall - 18 hrs

- **EEC 3613**  Observation and Assessment of Young Children 3 hrs
- **EEC 3700**  Social and Emotional Development of Young Children 3 hrs
- **EEC 4661**  Early Childhood Education Theory and Practice 3 hrs
- **EEC 3214**  Child Development 3 hrs
- **EEC 3008**  Early Childhood Children’s Literature 3 hrs

### University of Central Florida Undergraduate Catalog 2016-2017


UCF Degree Programs

Junior Year - Summer  
- EEC 4303 Planning Creative Activities in Early Childhood Education  3 hrs  
- EEC 4528 Infant/Toddler Care and Education  3 hrs  

Senior Year - Fall  
- PET 4050C Motor Development and Learning  3 hrs  
- Select Three Early Childhood Development Track Electives  9 hrs

Senior Year - Spring  
- EEC 4940 Practicum: Early Childhood Development  12 hrs

Program Academic Learning Compacts  
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oecs.ucf.edu/aic/academic_learning_compacts.htm

Early Childhood Development and Education Track

3: Early Childhood Careers (B.S.)  
College of Education and Human Performance  
Department of Child, Family and Community Sciences, Education Complex, Room: 209
Dr. Dierdre Englehart, Deidre.Englehart@ucf.edu

TRACK 3: EARLY CHILDHOOD CAREERS is an A.S. to B.S. degree program that is available to Seminole State College (SSC) students who have earned an A.S. in Early Childhood. The Early Childhood Careers Track is offered only on the Lake Mary-Sanford UCF Campus. This track provides the opportunity for SSC students to continue their professional preparation by enrolling in Track 3: Early Childhood Careers. Track 3 is restricted to students meeting UCF and the Early Childhood Careers Track Admission Requirements. Students will take a variety of courses related to early childhood careers and the roles professionals serve in furthering quality early childhood programming. Students will be prepared to work with infants, children and families in diverse early childhood settings. The program will prepare students with a solid knowledge base in the overall development of children that meets the educational requirements for staff at Head Start and Early Learning Centers. Throughout the program, students document and reflect upon their accomplishments in a Professional Portfolio, which is continuously reviewed by faculty. This degree culminates in a semester-long practicum. NOTE: The Track 3: Early Childhood Careers in the Early Childhood Development and Education B.S. degree program does not lead to teacher certification.

Admission Requirements  
- Completion of the A.S. degree in Early Childhood Education at Seminole State College  
- Have a minimum 2.50 overall GPA for admission to the program. A minimum GPA of 2.75 is required in the professional and overall GPA prior to admission to EEC 4942 Practicum: Early Childhood Careers and upon graduation.  
- Complete Core Requirements: Basic Level with a minimum letter grade of “C” (2.0) or better.  
- Meet the Gordon Rule Requirement.  
- Meet Foreign Language Admission Requirement.

Degree Requirements  
- Students must seek advising with the Early Childhood Careers faculty at the Lake Mary-Sanford UCF Campus prior to registering for classes.  
- The courses designated in 1. (General Education) and 2. (Prerequisites) should be completed prior to admission to the major and upper division education courses.  
- Students must earn a “C” (2.0) or better in each required Early Childhood Development and Education course. However, a minimum GPA of 2.75 is required in the professional and overall GPA for admission to EEC 4942 Practicum: Early Childhood Careers and upon graduation.

1. UCF General Education Program (GEP)  
- Students who have not completed the Seminole State College GEP may meet those requirements with up to 6 hours of restricted elective credits selected from the appropriate courses listed in the GEP section of the UCF catalog. Students are advised to take the preferred courses.  
- The 30 credit hours of the GEP must be completed prior to admission into Track 3: Early Childhood Careers.

A: Communication Foundations  
- Required ENC 1101 Composition I  3 hrs  
- Required ENC 1102 Composition II  3 hrs  
- Prefer SPC 1608 Fundamentals of Oral Communication  3 hrs

B: Cultural & Historical Foundations  
- General Education Program elective from section B2:  3 hrs

C: Mathematical Foundations  
- Select 1:  3 hrs
  - Prefer MGF 1106 Finite Mathematics or  3 hrs  
  - Prefer MGF 1107 Explorations in Mathematics  3 hrs

D: Social Foundations  
- Select 1:  3 hrs
  - Prefer STA 1063C Basic Statistics Using Microsoft Excel or  3 hrs  
  - Prefer STA 2014C Principles of Statistics  3 hrs

E: Science Foundations  
- Select 1:  3 hrs
  - Prefer BSC 1005 Biological Principles  3 hrs

2. Common Program Prerequisites (CPP)  
- None

3. Core Requirements: Basic Level  
- EDF 2085 Introduction to Diversity for Educators  3 hrs  
- MUE 2211 Early Childhood Music and Movement  3 hrs  
- ARE 2000 Early Childhood Art and Creativity  3 hrs  
- SYG 2010 Social Problems  3 hrs  
- EEC 2732 Health, Safety, and Nutrition for Young Children  3 hrs

Select 1:  3 hrs
- EDF 2130 Child and Adolescent Development for Educators or  3 hrs
- DEP 2004 Developmental Psychology  3 hrs

4. Core Requirements: Advanced Level  
- All methods/specialization/foundations courses must be completed with a letter grade of “C” (2.0) in each upper level major course in order to pass the course. However, a minimum GPA of 2.75 is required in the professional and overall GPA for admission to EEC 4942 Practicum: Early Childhood Careers and upon graduation.

- EEC 3700 Social and Emotional Development of Young Children  3 hrs  
- EEC 4661 Early Childhood Education Theory and Practice  3 hrs  
- RED 3310 Early Reading, Writing and Language Arts  3 hrs  
- PET 4050C Motor Development and Learning  3 hrs  
- EEC 3508 Early Childhood Children’s Literature  3 hrs  
- EEX 3450 Young Children With Special Needs  3 hrs  
- EEC 3813 Observation and Assessment of Young Children  3 hrs

EEC 4402 Cultural and Family Systems  3 hrs

UNIVERSITY OF CENTRAL FLORIDA
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<tr>
<th>Course Code</th>
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<tr>
<td>EEC 4303</td>
<td>Planning Creative Activities in Early Childhood Education</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEC 4528</td>
<td>Infant/Toddler Care and Education</td>
<td>3 hrs</td>
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<tr>
<td>EEC 4414</td>
<td>Parent-Child Relations</td>
<td>3 hrs</td>
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<tr>
<td>EEC 4211</td>
<td>Science and Math Learning for Young Children</td>
<td>3 hrs</td>
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<td>EEC 4260</td>
<td>Early Childhood Program Evaluation</td>
<td>3 hrs</td>
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<td>EEC 4314</td>
<td>Effective Practices for Guiding Young Children's Behavior</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEC 4942</td>
<td>Practicum: Early Childhood</td>
<td>9 hrs</td>
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</tbody>
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**Restrict Electives** *(9 hrs)*

- Students who have not completed the Seminole State College GEP may meet those requirements with up to 6 hours of restricted elective credits selected from the appropriate courses listed in the GEP section of the UCF catalog. Students who have completed the GEP will meet with the program faculty advisor to select restricted electives.

- 3 semester hours of restricted elective credit must be 3000 level or higher and approved by program faculty advisor.

**Capstone Requirements**

- None

**Foreign Language Requirements**

- State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

**Graduation**

- None

**Electives**

- None

**Additional Requirements**

- None

**Required Minors**

- None

**Departmental Exit Requirements**

- Achieve a minimum GPA of 2.75 for all courses within the major.
- All methods/specialization/foundations courses must be completed with a letter grade of “C” (2.0) or higher in each upper level major course in order to meet program requirements.
- Complete a LiveText portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency.

**University Minimum Exit Requirements**

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

**Total Semester Hours Required**

- 120

**Honors In Major**

- None

**Related Programs**

- None

**Certificates**

- None

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**Advising Notes**

- In addition to EDF 2085, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement. The State University System requires that students complete two years of the same foreign language/American Sign Language in high school, or two semesters (8-10 credit hours) of college level foreign language/American Sign Language, or equivalent proficiency exam. Students admitted without meeting this requirement must meet it prior to graduation.

**Transfer Notes**

- Courses taken at Florida College System institutions may substitute for select courses in Core Requirements: Basic Level with the permission of the department.
- Restricted Electives: Electives must be selected with the approval of program faculty. Students who have not completed the Seminole State College GEP may meet those requirements with up to 6 hours of restricted elective credits selected from the appropriate courses listed in the GEP section of the UCF catalog. Students who have completed the GEP will meet with the program faculty advisor to select restricted electives.

**Acceptable Substitutes for Transfer Courses**

- EEC 1000 substitutes for EDF 2130 or DEP 2004C

**Plan of Study** *(60 hrs)*

- Adding general education and admission requirements for Track 3: Early Childhood Careers are complete
- Follow the recommended Plan of Study

**Junior Year - Fall**

- EEC 3700 Social and Emotional Development of Young Children | 3 hrs
- EEC 4661 Early Childhood Education Theory and Practice | 3 hrs
- RED 3310 Early Reading, Writing and Language Arts | 3 hrs
- PET 4050C Motor Development and Learning | 3 hrs

**Junior Year - Spring**

- EEC 3008 Early Childhood Children’s Literature | 3 hrs
- EEC 3450 Young Children With Special Needs | 3 hrs
- EEC 3613 Observation and Assessment of Young Children | 3 hrs
- EEC 4402 Cultural and Family Systems | 3 hrs
- Restricted Elective with Advisor approval | 3 hrs

**Junior Year - Summer**

- EEC 4303 Planning Creative Activities in Early Childhood Education | 3 hrs
- EEC 4528 Infant/Toddler Care and Education | 3 hrs

**Senior Year - Fall**

- EEC 4414 Parent-Child Relations | 3 hrs
- EEC 4211 Science and Math Learning for Young Children | 3 hrs
- EEC 4260 Early Childhood Program Evaluation | 3 hrs
- EEC 4314 Effective Practices for Guiding Young Children’s Behavior | 3 hrs

**Senior Year - Spring**

- Restricted Elective (3/4XXX level with Advisor approval) | 3 hrs
- EEC 4942 Practicum: Early Childhood Careers | 9 hrs

**Program Academic Learning Compacts**

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oetas.ucf.edu/alc/academic_learning_compacts.htm
Economics (B.S.)

College of Business Administration
Department of Economics,
Business Administration II, Room: 305

http://www.bus.ucf.edu/economics

Dr. David Scrogin, BA2 302U, David.Scrogin@ucf.edu, 407-823-4129
Dr. Nora Underwood, BA2 302N, 407-823-1403
Phone: 407-823-3266

The Bachelor of Science in Economics is designed for students who wish to receive specialized training in Economics within a broad liberal arts education. Flexibility to select from a variety of courses allows students to customize their education to their personal interests and career goals. An Economics degree provides skills and training for careers in business, law, government, politics, teaching, research, and a variety of other areas. This degree also provides a strong foundation for future graduate studies in business, economics, law and public administration. Successful completion of this program leads to the Bachelor of Science degree with a major in Economics.

Not eligible for a double degree with the BSBA in Economics.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog requirements.
- Students should consult with the major advisor for the Department.
- General Education Program and Common Program

Prerequisite courses are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   Prefer SPC 1608 Fundamentals of Oral Communication
   or
   Required ECO 2013 Principles of Macroeconomics
   or
   Required ECO 2023 Principles of Microeconomics

   B: Cultural & Historical Foundations (9 hrs)
   Required STA 2023 Statistical Methods I

   C: Mathematical Foundations (6 hrs)
   Required STA 2023 Statistical Methods I
   or
   Required MAC 1105C College Algebra

   D: Social Foundations (6 hrs)
   Select 1: 3 hrs
   Required ECO 2013 Principles of Macroeconomics
   or
   Required ECO 2023 Principles of Microeconomics

   Select 1: 3 hrs
   Suggested ANT 2000 General Anthropology or
   Suggested PSY 2012 General Psychology or
   Suggested SYG 2000 Introduction to Sociology

   E: Science Foundations (6 hrs)
   2. Common Program Prerequisites (CPP) (3 hrs)
   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   Required ECO 2013 Principles of Macroeconomics
   or
   Required ECO 2023 Principles of Microeconomics

   3. Core Requirements: Basic Level
   None

   4. Core Requirements: Advanced Level (12 hrs)
   ECO 3101 Intermediate Microeconomics
   ECO 3203 Intermediate Microeconomics
   Select one of the following sequences of courses:
   ECO 3401 Quantitative Business Tools I
   or
   MAC 2233 Concepts of Calculus and
   STA 2023 Statistical Methods I
   Students must receive a “C” (2.0) or better in MAC 2233 and STA 2023 to be waived from ECO 3401

   5. Restricted Electives (27 hrs)
   - All B.S. Economics majors will be required to take a minimum of nine (9) electives by choosing from the following
     ECO 3223 Money and Banking
     ECO 3410 Mathematical Economics
     ECO 3703 International Microeconomics
     ECO 4303 History of Economic Thought
     ECO 4412 Econometrics
     ECO 4504 Public Economics
     ECO 4713 International Macroeconomics
     ECO 4751 Law and Economics
     ECO 4934 Topics in Econometrics
     ECP 3004 Seminar on Current Economic Topics
     ECP 3203 Labor Economics
     ECP 4303 Environmental and Natural Resource Economics
     ECP 4403 Industrial Organization
     ECS 4013 Development Economics
     ECP 4530 Health Economics
     ECO 4400 Game Theory and Economics

   6. Capstone Requirements (1 hr)
   ECO 4902 Capstone in Economics

   7. Foreign Language Requirements
   Admissions
   - None

   Graduation
   - None

   Electives
   - Variable

   9. Additional Requirements
   - None

   10. Required Minors
   - None

   11. Departmental Exit Requirements
   - Students majoring in Economics must earn a grade of “C” (2.0) or better in each ECO, ECP, and ECS course and in every course applied towards the major as well as a 2.0 overall average in the major.

   12. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 39 hours of course work must be completed in residency at UCF.

   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
   - Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

   Total Semester Hours Required
   - 120

   Honors In Major
   - None

   Related Programs
   - Economics, Business

   Certificates
   - None
## UCF Degree Programs

**Economics, Business (B.S.B.A.)**
College of Business Administration
Department of Economics,
Business Administration II, Room: 305

Dr. David Scrogin, dscrogin@ucf.edu
Phone: 407-823-3266

The Business Economics major for the Bachelor of Science in Business Administration is designed for students who wish to receive specialized training in Economics along with core skills in business administration. Flexibility to select from a variety of courses allows students to customize their education program to their personal interests and career goals. This degree provides skills and training for careers in business and industry, law, government, politics, teaching, research, and a variety of other areas. This degree also provides a strong foundation for future graduate studies in business, economics, law and public administration. Not eligible for a double degree with another College of Business Administration major.

### Admission Requirements
- Completion of the UCF General Education program and Gordon Rule, or an AA degree from a Florida College System or State University System institution, and completion of each Common Program Prerequisite course with a “C” (2.0) or better.
- Completion of the following courses at UCF or at an AACSB accredited institution: ECO 3411, MAR 3023, FIN 3403, MAN 3025, and ACG 3173, with a GPA of “C” (2.0) or better. One course may be repeated one time in the next term of enrollment to meet these requirements.
- See Common Program Prerequisites
- A student’s academic catalog year guarantees their graduation requirements, but not their admission requirements. All pre-majors are held to the current admission standards. This applies to both native and transfer students.

### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students wanting to major in Business Economics must apply for admission to the major.
- Any student receiving a business degree must complete a minimum of 30 of the 59 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- For students seeking a double major within the College of Business, a maximum of 6 hours of Required Courses for their major or Restricted Electives may count towards another business major.
- A maximum of 6 hours of Core Requirements or Restricted Electives may count towards another degree program or minor.
- Students in the Economics major must maintain a 2.0 or higher cumulative Grade Point Average in all major courses taken at UCF and a 2.0 or higher cumulative GPA in all College of Business courses taken at UCF. Failure to maintain the required GPAs will result in the student being placed on Lack of Progress in the major and/or College.

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees
- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

### Related Minors
- Computer Science
- Legal Studies
- Mathematics
- Political Science
- Psychology
- Sociology
- Statistics

### Advising Notes
- None

### Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- Only grades of “C” (2.0) or better transfer into the program and students must have a “C” or better in each common program prerequisites class.

### Acceptable Substitutes for Transfer Courses
- None

### Plan of Study

#### Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- MAC 1105C College Algebra 3 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs
- Cultural Foundation (GEP) 3 hrs
- Free Elective 3 hrs

#### Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs
- Social Foundation 3 hrs
- Elective 3 hrs
- Elective 3 hrs

#### Sophomore Year - Fall
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- ECO 3401 Quantitative Business Tools I 3 hrs
- Science Foundation I 3 hrs
- Historical Foundation I 3 hrs
- Free Elective 3 hrs

#### Sophomore Year - Spring
- Foreign Language I 4 hrs
- Historical Foundation II 3 hrs
- Science Foundation II 3 hrs
- ECO Elective 3 hrs
- Elective 3 hrs

#### Junior Year - Fall
- ECO 3101 Intermediate Microeconomics 3 hrs
- \(^1\)ECO 3411 Quantitative Business Tools II 3 hrs
- Foreign Language II 4 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs

#### Junior Year - Spring
- ECO 3203 Intermediate Macroeconomics 3 hrs
- ECO Elective 3 hrs
- ECO Elective 3 hrs
- ECO Elective 3 hrs
- ECO Elective 3 hrs

#### Senior Year - Fall
- ECO Elective 3 hrs
- ECO Elective 3 hrs
- ECO Elective 3 hrs
- ECO Elective 3 hrs
- Elective 3 hrs

#### Senior Year - Spring
- ECO 4902 Capstone in Economics 1 hr
- ECO Elective 3 hrs
- ECO Elective 3 hrs
- Elective 3 hrs
- Elective 3 hrs

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**Related Topics**
- [Program Academic Learning Compacts](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)
- [Equipment Fees](#)
- [Advising Notes](#)
- [Transfer Notes](#)
- [Acceptable Substitutes for Transfer Courses](#)
- [Plan of Study](#)
- [Freshman Year - Fall](#)
- [Sophomore Year - Fall](#)
- [Junior Year - Fall](#)
- [Senior Year - Fall](#)
- [Freshman Year - Spring](#)
- [Sophomore Year - Spring](#)
- [Junior Year - Spring](#)
- [Senior Year - Spring](#)
UCF Degree Programs

a student on Lack of Progress fails to achieve the minimum required GPA in the subsequent term of enrollment, the student will be dismissed from the Economics major and/or College of Business. A student who is dismissed may seek consideration for re-admission into the College or major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving the required GPA. Readmission is not automatic or guaranteed and as an exception to College policy is rarely granted.

Students majoring in Economics must earn a grade of “C” (2.0) or better in the following course and each course applied towards the major:

- ECO 3101: Intermediate Microeconomics
- ECO 3203: Intermediate Macroeconomics
- ECO 3223: Money and Banking
- ECO 3400: Game Theory and Economics
- ECO 3410: Mathematical Economics
- ECO 3411: Quantitative Business Tools I
- ECO 3412: Econometrics
- ECO 3703: International Microeconomics
- ECO 3704: International Macroeconomics
- ECO 4303: History of Economic Thought
- ECO 4400: Game Theory and Economics
- ECO 4403: Industrial Organization
- ECO 4504: Public Economics
- ECO 4713: International Macroeconomics
- ECO 4751: Law and Economics
- ECP 3004: Seminar on Current Economic Topics
- ECP 3203: Labor Economics
- ECP 3403: Environmental and Natural Resource Economics
- ECP 4901: Industrial Organization
- ECP 4913: Development Economics
- ECP 4934: Topics in Econometrics
- ECP 4530: Health Economics
- ECP 4400: Game Theory and Economics

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)
Prefer SPC 1608 Fundamentals of Oral Communication

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)
Required CGS 2100C Computer Fundamentals for Business
Required MAC 1105C College Algebra

D: Social Foundations (6 hrs)
Select 1: 3 hrs
Prefer ECO 2013 Principles of Macroeconomics or
Prefer ECO 2023 Principles of Microeconomics

Select 1: 3 hrs
Suggested ANT 2000 General Anthropology or
Suggested PSY 2012 General Psychology or
Suggested SYG 2000 Introduction to Sociology

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (18 hrs)

- Must be completed with a “C” (2.0) or better.
- ACG 2021 Principles of Financial Accounting 3 hrs
- ACG 2071 Principles of Managerial Accounting 3 hrs
- CGS 2100C Computer Fundamentals for Business 3 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs

Select one of the following sequences of courses:

- Students who have not completed MAC 2233 and STA 2023 with a “C” (2.0) or better must take ECO 3401.
- ECO 3401 Quantitative Business Tools I 3 hrs
- or
- 1 MAC 2233 Concepts of Calculus and
- STA 2023 Statistical Methods I 3 hrs

1 or MAC 2311 and MAC 2312

3. Core Requirements: Basic Level

4. Core Requirements: Advanced Level (34 hrs)

Primary Core
ACG 3173 Accounting for Decision-Makers 3 hrs
ECO 3411 Quantitative Business Tools II 3 hrs
FIN 3403 Business Finance 3 hrs
MAN 3025 Management of Organizations 3 hrs
MAR 3023 Marketing 3 hrs

Secondary Core
GEB 3003 Career Research & Planning 1 hr
GEB 3005 Career Search Strategy 1 hr
BUL 3130 Legal and Ethical Environment of Business 3 hrs
GEB 3375 Introduction to International Business 3 hrs
MAR 3023 Supply Chain and Operations Management 3 hrs
GEB 4223 Business Interviewing Techniques 1 hr
GEB 4004 Executing Your Career Plan 1 hr

Required Major Courses
ECO 3101 Intermediate Microeconomics 3 hrs
ECO 3203 Intermediate Macroeconomics 3 hrs

5. Restricted Electives (21 hrs)

- All B.S.B.A. economics majors will be required to take six (6) electives by choosing from the following:
- ECO 3223 Money and Banking 3 hrs
- ECO 3410 Mathematical Economics 3 hrs
- ECO 3703 International Microeconomics 3 hrs
- ECO 4303 History of Economic Thought 3 hrs
- ECO 4412 Econometrics 3 hrs
- ECO 4504 Public Economics 3 hrs
- ECO 4713 International Macroeconomics 3 hrs
- ECO 4751 Law and Economics 3 hrs
- ECP 3004 Seminar on Current Economic Topics 3 hrs
- ECP 3203 Labor Economics 3 hrs
- ECP 3403 Environmental and Natural Resource Economics 3 hrs
- ECP 4403 Industrial Organization 3 hrs
- ECS 4013 Development Economics 3 hrs
- ECO 4934 Topics in Econometrics 3 hrs
- ECP 4530 Health Economics 3 hrs
- ECP 4400 Game Theory and Economics 3 hrs

Business Elective
- Choose any upper level business course.
For students interested in preparing for graduate school in Economics and other major graduate studies, the following courses are strongly recommended:
- ECO 3410 Mathematical Economics 3 hrs
- ECO 4412 Econometrics 3 hrs
- ECP 4403 Industrial Organization 3 hrs
- ECO 4934 Topics in Econometrics 3 hrs
- ECP 4400 Game Theory and Economics 3 hrs

6. Capstone Requirements (4 hrs)

- Admitted to a Business major, senior standing, and completion of MAN 3025, MAR 3023, FIN 3403, ECO 3411, and ACG 3173 or ACG 3131 are required to register for MAN 4720.
- ECO 4902 Capstone in Economics 1 hr
- MAN 4720 Strategic Management 3 hrs

7. Foreign Language Requirements

8. Electives

Variable

9. Additional Requirements

None

10. Required Minors

None

11. Departmental Exit Requirements

- A minimum major GPA of 2.0 and a minimum College of Business GPA of 2.0.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

120

Honors in Major

None

Related Programs

None

Certificates

None

Related Minors

None
UCF Degree Programs

Advising Notes
- Florida College System students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of “C” (2.0) or higher transfer into the program and students must have a “C”(2.0) or better in each common program prerequisites class.
- Any student receiving a business degree must complete a minimum of 30 of the 59 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- General electives as required to earn 120 credit hours.

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- MAC 1105C College Algebra 3 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs
- Cultural Foundation I 3 hrs
- Elective 3 hrs

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs
- Social Foundation 3 hrs
- Elective 3 hrs
- Elective 3 hrs

Sophomore Year - Fall
- ACG 2021 Principles of Financial Accounting 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- Science 3 hrs
- Historical Foundation I 3 hrs
- Elective 3 hrs

Sophomore Year - Spring
- ACG 2071 Principles of Managerial Accounting 3 hrs
- ECO 3401 Quantitative Business Tools I 3 hrs
- CGS 2100C Computer Fundamentals for Business 3 hrs
- Historical Foundation II 3 hrs
- Science 3 hrs

Junior Year - Fall
- ACG 3173 Accounting for Decision-Makers 3 hrs
- ECO 3411 Quantitative Business Tools II 3 hrs
- MAN 3025 Management of Organizations 3 hrs
- MAR 3023 Marketing 3 hrs
- FIN 3403 Business Finance 3 hrs
- GEB 3003 Career Research & Planning 1 hr

Junior Year - Spring
- ECO 3101 Intermediate Microeconomics 3 hrs
- GEB 3375 Introduction to International Business 3 hrs
- MAR 3203 Supply Chain and Operations Management 3 hrs
- Economics Restricted Elective 3 hrs
- Business Elective 3 hrs
- GEB 3005 Career Search Strategy 1 hr

Senior Year - Fall
- ECO 3203 Intermediate Macroeconomics 3 hrs
- Economics Restrictive Elective 3 hrs
- Economics Restrictive Elective 3 hrs
- Economics Restricted Elective 3 hrs
- Elective 2 hrs
- GEB 4223 Business Interviewing Techniques 1 hr

Senior Year - Spring
- ECO 4902 Capstone in Economics 1 hr
- Economics Restricted Elective 3 hrs
- Economics Restricted Elective 3 hrs
- BUL 3130 Legal and Ethical Environment of Business 3 hrs
- MAN 4720 Strategic Management 3 hrs
- GEB 4004 Executing Your Career Plan 1 hr

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

Electrical Engineering (B.S.E.E.)

College of Engineering and Computer Science
Department of Electrical and Computer Engineering, Harris Corp. Engineering Center, Room: 346
http://www.ece.ucf.edu
Email: undergraduate@ece.ucf.edu
Dr. Parveen Wahid
Charlese Hilton-Brown
Phone: 407-823-3327

Admission Requirements
- Students wanting to declare a major in an engineering discipline must be in good academic standing and must have a “C” (2.0) or better in each of the following courses or their equivalents: MAC 2311C, MAC 2312, PHY 2048C, and CHS 1440 or CHM 2045C.
- Students wanting to declare a major in an engineering discipline must complete a change of major in the term of completion of the final pending prerequisite course(s) listed above.

Degree Requirements
- Students in the Electrical Engineering major are expected to make consistent good progress toward their degrees to remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Electrical Engineering who repeats any UCF course and does not earn a grade of “C” (2.0) or better on the second attempt will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation does not receive a grade of “C” (2.0) or better by the third attempt in the same UCF course, the student will be excluded from all CECS and COP majors. Any student majoring in Electrical Engineering who has accumulated 7 or more unsuccessful attempts (i.e., grades below “C” (2.0) and withdrawals) over all courses taken at UCF will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation
### UCF Degree Programs

has a tenth unsuccessful attempt over all courses taken at UCF, the student will be excluded from all CECS and COP majors.

- A student who is excluded from CECS and COP majors may seek readmission to a major in CECS or COP after at least one full year has passed since exclusion. Readmission is not automatic and is dependent upon a high probability of success after readmission. Any student who is readmitted to the Electrical Engineering major will be subject to all probation conditions that applied at the time of exclusion.

#### 1. UCF General Education Program (GEP) (38 hrs)

- The UCF General Education Program (GEP) is described in the section, General Education Program, found elsewhere in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A through E below to minimize excess hours. Students transferring to UCF from within the Florida College System or State University System should complete the GEP and the Common Program Prerequisites before transferring.

<table>
<thead>
<tr>
<th>A: Communication Foundations (9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required ENC 1101 Composition I</td>
</tr>
<tr>
<td>Required ENC 1102 Composition II</td>
</tr>
<tr>
<td>Select 1:</td>
</tr>
<tr>
<td>Prefer SPC 1603C Fundamentals of Technical Presentations or Suggested SPC 1608 Fundamentals of Oral Communication</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>B: Cultural &amp; Historical Foundations (9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select two courses from Historical Foundations</td>
</tr>
<tr>
<td>Select one class from Cultural Foundations</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>C: Mathematical Foundations (7 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required MAC 2311C Calculus with Analytic Geometry I</td>
</tr>
<tr>
<td>Required STA 3032 Probability and Statistics for Engineers</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>D: Social Foundations (6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select 1:</td>
</tr>
<tr>
<td>Prefer ECO 2013 Principles of Macroeconomics or Prefer ECO 2023 Principles of Microeconomics</td>
</tr>
<tr>
<td>Select one class from Social Foundations</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>E: Science Foundations (7 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required PHY 2048C General Physics Using Calculus I</td>
</tr>
<tr>
<td>Select one course from Science Foundations</td>
</tr>
</tbody>
</table>

#### 2. Common Program Prerequisites (CPP) (19 hrs)

- These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. To enroll in EE major courses, a 2.0 (C or better) in each course is required.

<table>
<thead>
<tr>
<th>MAC 2311C Calculus with Analytic Geometry I</th>
<th>GEP</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 2312 Calculus with Analytic Geometry II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAC 2313 Calculus with Analytic Geometry III</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PHY 2048C General Physics Using Calculus I</td>
<td>GEP</td>
</tr>
<tr>
<td>PHY 2049C General Physics Using Calculus II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAP 2302 Ordinary Differential Equations 3 hrs</td>
<td></td>
</tr>
<tr>
<td>Select 1:</td>
<td></td>
</tr>
<tr>
<td>1 CHS 1440 Principles of Chemistry or 4 hrs</td>
<td></td>
</tr>
<tr>
<td>1 CHM 2045C Chemistry Fundamentals I 4 hrs</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>3. Core Requirements: Basic Level (2 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing these courses, together with the courses required for the major, technical elective courses, and with the senior design courses. Independent study courses generally do not satisfy major requirements.</td>
</tr>
</tbody>
</table>

| EGS 1006C Introduction to the Engineering Profession 1 hr |
| EGN 1007C Engineering Concepts and Methods 1 hr |

<table>
<thead>
<tr>
<th>4. Core Requirements: Advanced Level (53 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Courses Required for the Engineering Core 9 hrs</td>
</tr>
<tr>
<td>EGN 3310 Engineering Analysis-Statics 3 hrs</td>
</tr>
<tr>
<td>STA 3032 Probability and Statistics for Engineers 4 hrs</td>
</tr>
<tr>
<td>PHY 3101 General Physics Using Calculus III 3 hrs</td>
</tr>
<tr>
<td>Select 1: 3 hrs</td>
</tr>
<tr>
<td>EGN 3321 Engineering Analysis-Dynamics 3 hrs</td>
</tr>
<tr>
<td>EGN 3358 Thermo-Fluids-Heat Transfer 3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Courses Required for the Major (44 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 EEL 3004C Electrical Networks 3 hrs</td>
</tr>
<tr>
<td>1 EEL 3124C Networks and Systems 4 hrs</td>
</tr>
<tr>
<td>EEE 3350 Semiconductor Devices I 3 hrs</td>
</tr>
<tr>
<td>EEE 3307C Electronics I 4 hrs</td>
</tr>
<tr>
<td>1 EEE 3342C Digital Systems 3 hrs</td>
</tr>
<tr>
<td>EEL 3470 Electromagnetic Fields 3 hrs</td>
</tr>
<tr>
<td>EEL 3552C Analog and Digital Communication 4 hrs</td>
</tr>
<tr>
<td>1 A “C” (2.0) or better is required in this course.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>5. Restricted Electives (10 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Technical electives are available in the BSEE program to address specific student interests in a variety of technical areas such as microelectronics, wireless communication, and photonics. Students should consult with their academic advisor for the identification of courses that are approved technical electives and the terms when specific courses of this type are to be offered.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Technical Electives 10 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Technical elective courses are to be selected by the student from department approved courses.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>6. Capstone Requirements (6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEL 4914 Senior Design I 3 hrs</td>
</tr>
<tr>
<td>EEL 4915L Senior Design II 3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>7. Foreign Language Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Admissions 2 yrs of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Graduation None</th>
</tr>
</thead>
<tbody>
<tr>
<td>8. Electives None</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>9. Additional Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electrical engineering students must earn at least 32 hours in residence at UCF.</td>
</tr>
</tbody>
</table>

| 24 of the 32 Residency hours must be at the 3000-5000 level courses taken from the EECS Department at UCF and applicable to the degree program. |

<table>
<thead>
<tr>
<th>10. Required Minors</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>11. Departmental Exit Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>CECS encourages all engineering students to take the Fundamentals Exam during their senior year.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>12. University Minimum Exit Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>A 2.0 UCF GPA</td>
</tr>
<tr>
<td>60 semester hours earned after CLEP awarded</td>
</tr>
<tr>
<td>48 semester hours of upper division credit completed</td>
</tr>
<tr>
<td>30 of the last 39 hours of course work must be completed in residency at UCF.</td>
</tr>
</tbody>
</table>

| A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted. |
| Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit. |

<table>
<thead>
<tr>
<th>Total Semester Hours Required 128</th>
</tr>
</thead>
<tbody>
<tr>
<td>Honors In Major None</td>
</tr>
<tr>
<td>--------------------------</td>
</tr>
</tbody>
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### UNIVERSITY OF CENTRAL FLORIDA
**Junior Year - Fall**
- EEE 3350 Semiconductor Devices I 13 hrs
- EEL 3552C Analog and Digital Communication 4 hrs
- EEL 3801C Fundamentals of Electrical Engineering 3 hrs
- EGN 3358 Thermo-Fluids Heat Transfer 3 hrs

**Senior Year - Fall**
- EEL 4915 Senior Design II 16 hrs
- EEL 4309C Electromagnetic Fields Fundamentals 3 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs
- EEL 3801C Computer Organization 3 hrs
- EEL 3657 Linear Control Systems 3 hrs
- EEL 4750 Digital Signal Processing Fundamentals 3 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs
- Approved Technical Elective 3 hrs
- Approved Technical Elective 3 hrs

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**Advising Notes**
- Each engineering student should meet with their academic advisor in the department of their major regularly.
- Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.
- The Electrical Engineering program offers the
- Accelerated BS/MS Program to students of high academic standing. This program allows up to twelve hours to be shared between the BS and MS degrees. See your department or the Accelerated program section in the back of this catalog for more information.

**Program Academic Learning Compacts**
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oears.ucf.edu/alcacademic_learning_compacts.htm](http://www.oears.ucf.edu/alcacademic_learning_compacts.htm)

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**Elementary Education (B.S.)**

**School of Teaching, Learning, and Leadership, Education Complex, Room: 209**

http://education.ucf.edu/elemed/

Dr. Michele Gill, michele.gill@ucf.edu, 407-823-1771

The Elementary Education program offers students the option of two tracks: Elementary Education - Education track (K-6) and Elementary Education - Lifelong Learning track (non-certification). The Education track is appropriate for students interested in opportunities for employment with formal K-6 schools that require certification. The Lifelong Learning (LLL) track is appropriate for students seeking opportunities for employment outside formal, K-12 schools that do not require certification.

**Admission Requirements**
- Complete the University General Education requirements or its equivalent, i.e., an AA degree from an approved Florida College System or State University System institution.
- Have a minimum 2.5 overall GPA.
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of "C-" (1.75) or better.
- Meet the Gordon Rule Requirement.
- Meet the Foreign Language Admission Requirement.

**Education Track**
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted)

**Lifelong Learning Track**
- Complete all LLL Track Core Requirements: Basic Level courses with a minimum letter grade of "C-" (1.75) or better.
- The Lifelong Learning Track is a non-certification program and does not require the General Knowledge Test (GKT).
UCF Degree Programs

Degree Requirements
- Students should see an advisor prior to registering for classes.
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- The Education track (K-6) is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. UCF General Education Program (GEP) (36 hrs)
- Students are advised to take the preferred courses.

**A: Communication Foundations (9 hrs)**
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

**B: Cultural & Historical Foundations (9 hrs)**
- General Education Program course from section B1 3 hrs
- chosen meet Gordon Rule requirement
- General Education Program course: Prefer a second course from GEP section B1.

**Select 1:**
- Prefer THE 2000 Theatre Survey or 3 hrs
- Prefer Phil 1010 Introduction to Philosophy or 3 hrs
- Prefer MUL 2010 Enjoyment of Music 3 hrs

**C: Mathematical Foundations (6 hrs)**
- Suggested MAC 1105C College Algebra or 3 hrs
- Suggested MGF 1106 Finite Mathematics or 3 hrs
- Suggested MGF 1107 Explorations in Mathematics 3 hrs

**Select 1:**
- Prefer STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
- Prefer STA 2044 Principles of Statistics 3 hrs

**D: Social Foundations (6 hrs)**
- Prefer POS 2041 American National Government 3 hrs
- Prefer PSY 2012 General Psychology 3 hrs

**E: Science Foundations (6 hrs)**
- Prefer PSC 1121 Physical Science 3 hrs
- Prefer BSC 1005 Biological Principles 3 hrs

**2. Common Program Prerequisites (CPP) (9 hrs)**
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- EDF 2949 Experiential Learning in Education 2 hrs
- EDF 4410 Teaching Strategies and Classroom Management 3 hrs
- EEX 4070 Teaching Exceptional Students 3 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs
- SSE 3312 Teaching Social Science in the Elementary School 3 hrs
- LAE 3414 Language Arts in the Elementary School 3 hrs
- RED 3012 Basic Foundations of Reading 3 hrs
- RED 4519 Diagnostic and Corrective Reading 3 hrs
- SSE 3612 Teaching Social Science in the Elementary School 3 hrs
- LAE 4080 Theory of Teaching ESOL 3 hrs
- EEX 4070 Teaching Exceptional Students 3 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs

**Required prior to Internship I**

**Semester I**
- EDF 4410 Teaching Strategies and Classroom Management 3 hrs
- EEX 4070 Teaching Exceptional Students 3 hrs
- LAE 3414 Language Arts in the Elementary School 3 hrs
- RED 3012 Basic Foundations of Reading 3 hrs
- TSL 4080 Theory of Teaching ESOL 3 hrs

**Required prior to Internship I**

**Semester II**
- SCE 3310 Teaching Science in Elementary School 3 hrs
- SSE 3612 Teaching Social Science in the Elementary School 3 hrs
- LAE 4080 Theory of Teaching ESOL 3 hrs
- RED 4519 Diagnostic and Corrective Reading 3 hrs
- SSE 3310 Teaching Science in Elementary School 3 hrs
- LAE 3414 Language Arts in the Elementary School 3 hrs

**Required prior to Internship I**

**Semester III (Internship I Block)**
- Prior to Internship I, the student must have completed each of the prerequisite courses indicated above with a letter grade of 'C-' (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDF 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.
- Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/Prerequisites for Internship I: EDF 4410, RED 3012, TSL 4080, MAE 2801

**Education Track**

**Lower Division Electives** (7 hrs)
- Education track students may select other electives but are advised to take the following courses to improve their preparation for the Subject Area Examination portion of the Florida Teacher Certification Examination: * MAC 1105 or MGF 1106 (if not taken for the General Education Program) ^ One associated science lab (BSC 1005L or PSC 1121L)*
- A second course from the preferred courses listed in the UCF General Education Program Section B2 above (ARH 2050, ARH 2051, or MUL 2010) or an additional science course.

**Lifelong Learning Track** (5 hrs)
- EDF 2949 Experiential Learning in Education 2 hrs
- MHS 2330 Career Planning 3 hrs

**4. Core Requirements: Advanced Level** (60 hrs)
- Education Track requires 60 hours
- Lifelong Learning Track requires 63 hours
- The following recommended sequence of required upper division courses may vary at regional campus locations.
- Both Education Track and Lifelong Learning Track majors are required to complete the Advanced Level courses listed under: Semester I, Semester II and Summer.
- Students must complete the Advanced Level courses required for their selected track (Education Track or Lifelong Learning Track) Semester III and Semester IV.

**Semester I**
- EDF 4410 Teaching Strategies and Classroom Management 3 hrs
- EEX 4070 Teaching Exceptional Students 3 hrs
- LAE 3414 Language Arts in the Elementary School 3 hrs
- RED 3012 Basic Foundations of Reading 3 hrs
- TSL 4080 Theory of Teaching ESOL 3 hrs
- Students in Schools 3 hrs

**Semester II**
- SCE 3310 Teaching Science in Elementary School 3 hrs
- SSE 3612 Teaching Social Science in the Elementary School 3 hrs
- LAE 4080 Theory of Teaching ESOL 3 hrs
- RED 4519 Diagnostic and Corrective Reading 3 hrs
- SSE 3310 Teaching Science in Elementary School 3 hrs
- LAE 3414 Language Arts in the Elementary School 3 hrs

**Semester III (Internship I Block)**
- Prior to Internship I, the student must have completed each of the prerequisite courses indicated above with a letter grade of 'C-' (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDF 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.
- Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/Prerequisites for Internship I: EDF 4410, RED 3012, TSL 4080, MAE 2801

**Education Track**
- EDF 4410 Teaching Strategies and Classroom Management 3 hrs
- EEX 4070 Teaching Exceptional Students 3 hrs
- LAE 3414 Language Arts in the Elementary School 3 hrs
- RED 3012 Basic Foundations of Reading 3 hrs
- TSL 4080 Theory of Teaching ESOL 3 hrs
- Students in Schools 3 hrs

**Required prior to Internship I**

**Summer**
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- TSL 4240 Issues in Second Language Acquisition 3 hrs

**Education Track: Semester III (Internship I)**

**12 hrs Block**
- Prior to Internship I, the student must have completed each of the prerequisite courses indicated above with a letter grade of 'C-' (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDF 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.
- Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/Prerequisites for Internship I: EDF 4410, RED 3012, TSL 4080, MAE 2801
### Lifelong Learning Track: Semester IV (Internship II) 12 hrs

- **MAE 4326** How Children Learn Mathematics 3 hrs
- **EDE 4223** Integrated Arts and Movement in the Elementary School 3 hrs
- **EDE 4943** Internship II (Elementary) 12 hrs

#### Lifelong Learning Track Specialization 21 hrs

- **ARE 4356** Teaching Art Appreciation & Criticism in the Classroom 3 hrs
- **ARE 4250** Art for Exceptionalities 3 hrs
- **PET 2081** Wellness, Children and Schools 1 hr
- **ECE 4402** Cultural and Family Systems 3 hrs
- **ECE 4414** Parent-Child Relations 3 hrs
- **EDG 4941** Directed Field Experience 1 hr
- **EDG 4948** Service Learning 3 hrs
- **DIG 3118** Digital Tools and Technologies: Graphic Design 3 hrs
- **DIG 3554** Digital Tools and Technologies: Web Design 3 hrs
- **DIG 3525** Digital Media Production I 3 hrs
- **DIG 2000** Introduction to Digital Media 3 hrs
- **DIG 2030** Digital Video Fundamentals 3 hrs
- **DIG 2109** Digital Imaging Fundamentals 3 hrs
- **DIG 2300** Fundamentals of Interactive Design 3 hrs
- **DIG 3811** User-Centered Design 3 hrs
- **DEP 2004** Developmental Psychology 3 hrs
- **EEX 2091** Exceptional Populations in School and Society 3 hrs
- **EXP 3604** Cognitive Psychology 4 hrs
- **EXP 3250** Principles of Human Factors Psychology 3 hrs
- **EEG 4601** Introduction to Behavior Management 3 hrs
- **MAN 3025** Management of Organizations 3 hrs
- **MAR 3023** Marketing 3 hrs
- **ECT 4184** Curriculum Development Techniques for Industry Training 3 hrs
- **HFT 1000** Introduction to the Hospitality and Tourism Industry 3 hrs
- **HFT 2750** The Event Industry 3 hrs
- **HFT 3798** Fairs and Festivals 3 hrs
- **HFT 4754** Exhibit and Trade Show Operations 3 hrs

#### Lifelong Learning Track: Semester III 12 hrs

- **EDG 4949** Experiential Learning in Education 3 hrs
- **EDE 4223** Integrated Arts and Movement in the Elementary School 3 hrs
- Choose Lifelong Learning Specialization courses 6 hrs

#### Lifelong Learning Track: Semester IV 12 hrs

Choose Lifelong Learning Specialization courses 12 hrs

### 5. Restricted Electives
- None

### 6. Capstone Requirements
- None

### 7. Foreign Language Requirements

**Admissions**

- State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

### Graduation

- None

### 8. Electives
- None

### 9. Additional Requirements
- None

### 10. Required Minors
- None

### 11. Departmental Exit Requirements

- Achieve a minimum overall 2.5 GPA within the major.
- In courses throughout the program, you must upload key assignments into your LiveText Dashboard. These key assignments are then assessed by faculty. The resulting data provides evidence of your demonstrated professional growth, reflection, and proficiency in all Florida Educator Accomplished Practices. Together these assignments provide potential employers with a snapshot picture of the skills attained in your academic program. All teacher education candidates, Lifelong Learning majors, and Early Childhood Development and Education majors (all ECDE tracks) are required to complete all LiveText requirements in order to be cleared for graduation. See [http://livetext.education.ucf.edu/](http://livetext.education.ucf.edu/)

### Education Track

- Complete a TESOL notebook as required for ESOL Endorsement.
- Pass all applicable sections of the Florida Teacher Certification Examination. See [http://www.fldoe.org](http://www.fldoe.org) for test dates and test sites. Effective January 1, 2015, only examination results earned by educators within 10 years prior to the date of application for a new Florida Educator’s Certificate with the Florida Department of Education may be acceptable for certification eligibility requirements (SBE Rule 6A-4.002)

### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.

- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

### Total Semester Hours Required

- 120

### Honors In Major

- None
UCF Degree Programs

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
This recommended sequence may vary at selected regional campus locations. Consult with your Education advisor and review your degree audit for more recent information.

Freshman Year - Fall 12 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs
- ENC 1101 Composition I 3 hrs

Select 1:
- MUL 2101 Enjoyment of Music or 3 hrs
- THE 2000 Theatre Survey or 3 hrs
- PHI 2101 Introduction to Philosophy 3 hrs

Education Track 3 hrs
- MAC 1105C College Algebra 3 hrs

Lifelong Learning Track 3 hrs
- MAC 1105C College Algebra or 3 hrs
- MGF 1106 Finite Mathematics or 3 hrs
- MGF 1107 Explorations in Mathematics 3 hrs

Freshman Year - Spring 12 hrs
- Education Track requires 13 hours
- Lifelong Learning Track requires 12 hours
  1 EDF 2130 Child and Adolescent Development for Educators 3 hrs
- ENC 1102 Composition II 3 hrs
- PSY 2012 General Psychology 3 hrs
- PSC 1121 Physical Science 3 hrs

Education Track 1 hr
- PSC 1121L Physical Science Lab 1 hr

Freshman Year - Summer 6 hrs
- POS 2041 American National Government 3 hrs

Education Track 3 hrs
- MGF 1106 Finite Mathematics 3 hrs

Lifelong Learning Track 3 hrs
- Choose Lifelong Learning Specialization course 3 hrs

Sophomore Year - Fall 15 hrs
- GEP B1 Elective 3 hrs
- BSC 1005 Biological Principles 3 hrs
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

Education Track 3 hrs
- ARH 2050 History of Western Art I 3 hrs

Lifelong Learning Track 3 hrs
- MHS 2330 Career Planning 3 hrs

Sophomore Year - Spring 14 hrs
- Education Track requires 14 hours
- Lifelong Learning Track requires 15 hours
  1 GEP B3 Elective (Prefer course from section B1) 3 hrs
- MAE 2801 Elementary School Mathematics 4 hrs
- STA 2014C Principles of Statistics 3 hrs
- EDF 2085 Introduction to Diversity for Educators 3 hrs

Education Track 1 hr
- 1 PET 2081 Wellness, Children and Schools 1 hr

Lifelong Learning Track 2 hrs
- EDF 2949 Experiential Learning in Education 2 hrs

  1 Courses taken at Florida College System institutions may substitute for select courses in Other Program Requirements with the permission of the department.

Junior Year - Fall 15 hrs
- Coursework required for Education Track and Lifelong Learning Track
  - EDG 4410 Teaching Strategies and Classroom Management 3 hrs
  - EEX 4070 Teaching Exceptional Students 3 hrs
  - LAE 3414 Literature for Children 3 hrs
  - RED 3012 Basic Foundations of Reading 3 hrs
  - TSL 4080 Theory and Practice of Teaching ESOL 3 hrs

Junior Year - Spring 15 hrs
- Coursework required for Education Track and Lifelong Learning Track
  - RED 4519 Diagnostic and Corrective Reading Strategies 3 hrs
  - SCE 3310 Teaching Science in Elementary School 3 hrs
  - SSE 3312 Teaching Social Science in the Elementary School 3 hrs
  - LAE 4314 Language Arts in the Elementary School 3 hrs
  - EDF 4467 Learning Theory and Assessment 3 hrs

Junior Year - Summer 6 hrs
- Coursework required for Education Track and Lifelong Learning Track
  - EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
  - TSL 4240 Issues in Second Language Acquisition 3 hrs

Senior Year - Fall 12 hrs
- EDE 4223 Integrated Arts and Movement in the Elementary School 3 hrs

Education Track 9 hrs
- MAE 4326 How Children Learn Mathematics and Management 3 hrs
- RED 4942 Practicum for Assessment and Instruction of Reading and
- EDE 3942 Internship I 3 hrs

Lifelong Learning Track 9 hrs
- EDG 4949 Experiential Learning in Education and
- Choose Lifelong Learning Specialization courses 6 hrs

Senior Year - Spring 12 hrs
- EDE 4943 Internship II (Elementary) 12 hrs

Lifelong Learning Track 12 hrs
- Choose Lifelong Learning Specialization courses 12 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oaes.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $6 per term
- Full-Time Student: $12 per term

English - Creative Writing (B.A.)

College of Arts and Humanities
Department of English, Colbourn Hall, Room: 405
http://english.ucf.edu
Email: english@ucf.edu
Dr. Trey Philpotts
Phone: 407-823-5596

Admission Requirements
- None
Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a “C” (2.0) in each required course.
- Co-op or internship credit cannot be used in the major without prior approval from the department.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF English Department.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations
Required ENC 1101 Composition I 3 hrs
Required ENC 1102 Composition II 3 hrs
Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations
Prefer LIT 2110 World Literature I 3 hrs
Prefer LIT 2120 World Literature II 3 hrs
Select one class from B.1 list 3 hrs

C: Mathematical Foundations
Math:
Suggested MGF 1106 Finite Mathematics or 3 hrs
Suggested MGF 1107 Explorations in Mathematics or 3 hrs
You may substitute a higher level math with appropriate scores on the Math Placement Exam.

Statistics - Computers
Select a course from GEP C.2 list 3 hrs

D: Social Foundations
Suggested AMH 2020 U.S. History: 1877-Present 3 hrs

E: Science Foundations

2. Common Program Prerequisites (CPP) (6 hrs)

1. ENC 1101 Composition I GEP
2. ENC 1102 Composition II GEP

See Transfer Notes for possible substitutions. See “Common Prerequisites” in the Transfer and Transition Services section for more information.

3. Core Requirements: Basic Level (9 hrs)

CRW 3013 Creative Writing for English Majors 3 hrs
1 ENG 3014 Theories and Techniques of Literature Study 3 hrs
CRW 3053 Theory & Practice of Creative Writing 3 hrs

This is a prerequisite for all 4000 level AML, ENG, ENL, or LIT courses.

4. Core Requirements: Advanced Level (12 hrs)

- Literary History Requirement
- Choose four courses total from these two groupings

Select at least one of these pre-1865 literature courses.
- Note: Each semester, additional courses may satisfy these requirements. Check with an advisor for details.

Select 1: 3 hrs
AML 3031 American Literature I or 3 hrs
AML 3613 Narratives of Slavery or 3 hrs
ENL 2012 English Literature I or 3 hrs
ENL 3220 English Renaissance Poetry and Prose or 3 hrs
ENL 4230 Eighteenth-Century Studies or 3 hrs
ENL 4240 English Romantic Writers or 3 hrs
ENL 4311 Chaucer or 3 hrs
ENL 4333 Shakespeare Studies or 3 hrs
ENL 4341 Milton and His Age or 3 hrs
AML 3286 Early American Women’s Words or 3 hrs
AML 3640 Native American Literature or 3 hrs
LIT 4374 Literature of the Bible or 3 hrs
ENL 3296 Gothic Literature 3 hrs

Select at least one of these post-1865 literature courses.

Select 1: 3 hrs
- Each semester, additional courses may satisfy this requirement. Check with an advisor for details.
AML 3041 American Literature II or 3 hrs
AML 3283 Contemporary American Women’s Fiction or 3 hrs
AML 3614 Topics in African-American Literature or 3 hrs
AML 3615 Harlem, Haiti, and Havana or 3 hrs
AML 3643 Contemporary Native American Prose and Poetry or 3 hrs
AML 4101 American Novel or 3 hrs
AML 4155 Modern American Poetry or 3 hrs
AML 4261 Literature of the South or 3 hrs
AML 4265 Florida Writers or 3 hrs
AML 4321 Modern American Literature or 3 hrs
AML 4630 Latino/Latina Literature or 3 hrs
ENL 2022 English Literature II or 3 hrs
ENL 4101 English Novel or 3 hrs
ENL 4253 The Victorian Age or 3 hrs
ENL 4262 Nineteenth Century British Prose or 3 hrs
ENL 4273 Modern British Literature or 3 hrs
LIT 3082 Continental European Fiction Since 1900 or 3 hrs
LIT 3192 Caribbean Literature or 3 hrs
LIT 4043 Modern Drama As Literature or 3 hrs
LIT 4184 Irish Literature or 3 hrs
LIT 4303 Post-War II Fiction or 3 hrs
LIT 3623 Hispanic Women Writers 3 hrs

5. Restricted Electives (15 hrs)

- Please note that students must take 4 but no more than 6 of the courses listed in a. and b. below.

a. Choose two of the following: 6 hrs

Select 2: 6 hrs
CRW 3120 Fiction Writing Workshop or 3 hrs
CRW 3211 Creative Nonfiction Writing or 3 hrs
CRW 3310 Poetry Writing Workshop or 3 hrs
CRW 3610 Writing Scripts 3 hrs

b. Choose two of the following: 6 hrs

Select 2: 6 hrs
CRW 4122 Advanced Fiction Writing Workshop or 3 hrs
CRW 4224 Advanced Nonfiction Writing Workshop or 3 hrs
CRW 4320 Advanced Poetry Writing Workshop or 3 hrs
CRW 4616 Advanced Scriptwriting Workshop 3 hrs

1 May take ENC 4360 Nature Writing instead of CRW 4224 but not both.

c. Choose one of the following: 3 hrs

Select 1: 3 hrs
CRW 3311 Readings in Poetry for Creative Writing or 3 hrs
CRW 3540 Literary Magazines or 3 hrs
CRW 4114 History of Prose Style or 3 hrs
CRW 4724 The Florida Review or 3 hrs
CRW 4014 The Writing Life or 3 hrs
CRW 4722 Editing for Creative Writers or 3 hrs
any other CRW elective or Special Topics course 3 hrs

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions
- None

Graduation
- Proficiency equivalent to three semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies.
- Standardized examinations for foreign languages may be used to meet the requirement. With departmental approval, a cultural/multicultural or related course offered by the Department of English may be used to satisfy one semester of the Graduation requirement.

8. Electives
- Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.

9. Additional Requirements

- None
UCF Degree Programs

10. Required Minors
   - None

11. Departmental Exit Requirements
   - Maintain and achieve a minimum GPA of 2.0 in all courses used towards the major.
   - Computer Competency met by completion of CRW 3013

12. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 39 hours of course work must be completed in residency at UCF.
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
   - Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
   - 120

Honors in Major (9 hrs)
   - Application and admission through the English Honors Committee and the Honors College.
   - Fulfill University requirements for Honors in the Major.
   - Grade of "B" (3.0) or better in an English graduate or undergraduate course or in a graduate or undergraduate course outside the major that relates to thesis with approval (3 hrs), Directed Readings (3 hrs), and Thesis hours (3 hrs).
   - Successful completion and oral defense of Honors thesis.

Related Programs
   - English - Technical Communication
   - English - Literature

Certificates
   - English - Literature

Advising Notes
   - None

Transfer Notes
   - Lower division courses do not substitute for upper division courses.
   - Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
   - None

Plan of Study
   - One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

Freshman Year - Fall
   - ENC 1101 Composition I 3 hrs
   - HUM 2210 Humanistic Tradition I 3 hrs
   - MGF 1106 Finite Mathematics 3 hrs
   - AMH 2020 U.S. History: 1877-Present 3 hrs
   - SPC 1608 Fundamentals of Oral Communication 3 hrs
   - Total Semester Hours 15 hrs

Freshman Year - Spring
   - ENC 1102 Composition II 3 hrs
   - CHM 1020 Concepts in Chemistry 3 hrs
   - LIT 2110 World Literature I 3 hrs
   - STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
   - SPN 1120C Elementary Spanish Language and Civilization I 4 hrs
   - Total Semester Hours 16 hrs

Sophomore Year - Fall
   - LIT 2120 World Literature II 3 hrs
   - PSY 2012 General Psychology 3 hrs
   - SPN 1121C Elementary Spanish Language and Civilization II 4 hrs
   - Total Semester Hours 16 hrs

Sophomore Year - Spring
   - CRW 3013 Creative Writing for English Majors 3 hrs
   - AML 3031 American Literature I 3 hrs
   - ENL 3296 Gothic Literature 3 hrs
   - SPN 2200 Intermediate Spanish Language and Civilization I 3 hrs
   - CRW 3053 Theory & Practice of Creative Writing 3 hrs
   - Total Semester Hours 15 hrs

Junior Year - Fall
   - AML 3041 Theories and Techniques of Literature Study 3 hrs
   - CRW 3211 Creative Nonfiction Writing 3 hrs
   - Restricted Elective 3 hrs
   - Restricted Elective 3 hrs
   - Total Semester Hours 15 hrs

Junior Year - Spring
   - ENL 4101 English Novel 3 hrs
   - CRW 3120 Fiction Writing Workshop 3 hrs
   - CRW 4224 Advanced Nonfiction Workshop 3 hrs
   - Restricted Elective 3 hrs
   - Restricted Elective 3 hrs
   - Total Semester Hours 15 hrs

Senior Year - Fall
   - CRW 3311 Readings in Poetry for Creative Writing 3 hrs
   - CRW 4222 Advanced Fiction Writing Workshop 3 hrs
   - Restricted Elective 3 hrs
   - Restricted Elective 3 hrs
   - Total Semester Hours 12 hrs

Senior Year - Spring
   - CRW 3610 Writing Scripts 3 hrs
   - Restricted Elective 3 hrs
   - Restricted Elective 3 hrs
   - Restricted Elective 3 hrs
   - Restricted Elective 1 hr
   - Total Semester Hours 13 hrs

Program Academic Learning Compacts
   - Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

English - Literature (B.A.)

College of Arts and Humanities
Department of English, Colbourn Hall, Room: 405
http://english.ucf.edu
Email: english@ucf.edu
Dr. Trey Philpotts
Phone: 407-823-5596

Admission Requirements
   - None

Degree Requirements
   - Students who change degree programs and select this major must adopt the most current catalog.
   - Students must earn at least a “C” (2.0) in each required course.
   - Co-op or internship credit is not accepted in the major.
   - Students should consult with a departmental advisor.
   - Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF English Department.
   - Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations
   - Required ENC 1101 Composition I 3 hrs
   - Required ENC 1102 Composition II 3 hrs
   - Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations
   - Prefer LIT 2110 World Literature I 3 hrs
   - Prefer LIT 2120 World Literature II 3 hrs
   - Select one class from B.1 list 3 hrs

Check restrictions
C: Mathematical Foundations
Math:
Suggested MGF 1106 Finite Mathematics or 3 hrs
Suggested MGF 1107 Explorations in Mathematics or 3 hrs
You may substitute a higher level math with appropriate scores on the Math Placement Exam.

Statistics - Computers 3 hrs
Select a course from GEP C.2 list 3 hrs

D: Social Foundations (6 hrs)
Suggested AMH 2020 U.S. History: 1877-Present 3 hrs

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)
1 ENC 1101 Composition I GEP
1 ENC 1102 Composition II GEP
1 See transfer notes for possible substitutions.

3. Core Requirements: Basic Level (6 hrs)
1 ENG 3014 Theories and Techniques of Literature Study 3 hrs

Choose one gateway course 3 hrs
CRW 3013 Creative Writing for English Majors or 3 hrs
ENC 3211 Writing the Technical Professional or 3 hrs
CRW 3053 Theory & Practice of Creative Writing or 3 hrs
LIT 3121 Research & Writing About Literature 3 hrs

4. Core Requirements: Advanced Level (15 hrs)

Literary History Requirement
Choose five courses from the two groupings
Select at least two pre-1865 literature courses 6 hrs
See transfer notes for possible substitutions.

Select 2: 6 hrs
AML 3031 American Literature I or 3 hrs
AML 3613 Narratives of Slavery or 3 hrs
ENL 2012 English Literature I or 3 hrs
ENL 3230 English Renaissance Poetry and Prose or 3 hrs
ENL 4230 Eighteenth-Century Studies or 3 hrs
ENL 4240 English Romantic Writers or 3 hrs
LIT 4374 Literature of the Bible or 3 hrs
AML 3266 Early American Women's Words or 3 hrs
ENL 3240 Native American Literature or 3 hrs
ENL 3296 Gothic Literature 3 hrs

Select at least two post-1865 literature courses 6 hrs
See transfer notes for possible substitutions.

Select 2: 6 hrs
AML 3041 American Literature II or 3 hrs
AML 3283 Contemporary American Women's Fiction or 3 hrs
AML 3614 Topics in African-American Literature or 3 hrs
AML 3615 Harlem, Haiti, and Havana or 3 hrs
AML 3643 Contemporary Native American Prose and Poetry or 3 hrs
AML 4101 American Novel or 3 hrs
AML 4155 Modern American Poetry or 3 hrs
AML 4261 Literature of the South or 3 hrs
AML 4265 Florida Writers or 3 hrs
AML 4321 Modern American Literature or 3 hrs
AML 4630 Latino/Latina Literature or 3 hrs
ENL 2022 English Literature II or 3 hrs
ENL 4101 English Novel or 3 hrs
ENL 4253 The Victorian Age or 3 hrs
ENL 4262 Nineteenth Century British Prose or 3 hrs
ENL 4273 Modern British Literature or 3 hrs
LIT 3082 Continental European Fiction Since 1900 or 3 hrs
LIT 3192 Caribbean Literature or 3 hrs
LIT 4043 Modern Drama As Literature or 3 hrs
LIT 4184 Irish Literature or 3 hrs
LIT 4303 Post-World War II Fiction or 3 hrs
LIT 3823 Hispanic Women Writers 3 hrs

5. Restricted Electives (15 hrs)
Upper Division Requirements
Choose one single author or major author course:
Select 1: 3 hrs
AML 4300 Major American Authors or 3 hrs
ENL 4311 Chaucer or 3 hrs
ENL 4341 Milton and His Age or 3 hrs
ENL 4333 Shakespeare Studies or 3 hrs
ENL 4303 British Authors or 3 hrs
LIT 4244 World Authors 3 hrs

Choose one linguistics or theory course:
Select 1: 3 hrs
ENG 3010 Practical Criticism or 3 hrs
LIN 3010 Principles of Linguistics or 3 hrs
LIN 4105 History of the English Language or 3 hrs
LIN 4643 Cross Cultural Communication or 3 hrs
LIN 4660 Linguistics and Literature or 3 hrs
LIN 4680 Modern English Grammar or 3 hrs
LIT 4554 Advanced Feminist Theories 3 hrs

Three additional upper level courses 9 hrs
AML, ENL, LIT or ENG prefix

6. Capstone Requirements
None

7. Foreign Language Requirements
Admissions
None
Graduation
Proficiency equivalent to three semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. With departmental approval, a cultural/multicultural or related course offered by the Department of English may be used to satisfy one semester of the Graduation requirement.

8. Electives
Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department. Please note that no more than 6 of the following courses may be taken: CRW 3120, CRW 3211, CRW 3310, CRW 3610, CRW 4122, CRW 4224, CRW 4320, CRW 4616, and ENC 4360.

9. Additional Requirements
None

10. Required Minors
None

11. Departmental Exit Requirements
Maintain and achieve a minimum GPA of 2.0 in all courses used towards the major.
Computer Competency met by completion of ENG 3014.

12. University Minimum Exit Requirements
A 2.0 UCF GPA
60 semester hours earned after CLEP awarded
48 semester hours of upper division credit completed
30 of the last 39 hours of course work must be completed in residency at UCF.
A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required 120

Honors in Major (9 hrs)
Application and admission through the English Honors Committee and the Honors College.
Fulfill University requirements for Honors in the Major.
Grade of “B” (3.0) or better in an English graduate or undergraduate level course or in a graduate or undergraduate level course outside the major that relates to thesis with approval (3 hrs), Directed Readings (3 hrs), and Thesis hours (3 hrs).
UCF Degree Programs

- Successful completion and oral defense of Honors thesis.

Related Programs
- English - Creative Writing
- English - Technical Communication

Certificates
- None

Related Minors
- English - Creative Writing
- English - Linguistics
- English - Technical Communication
- Writing and Rhetoric

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- One of the numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

Freshman Year - Fall 15 hrs
- ENC 1101 Composition I 3 hrs
- HUM 2210 Humanistic Tradition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- AMH 2020 U.S. History: 1877-Present 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

Freshman Year - Spring 16 hrs
- CHM 1020 Concepts in Chemistry 3 hrs
- ENC 1102 Composition II 3 hrs
- LIT 2110 World Literature I 3 hrs
- STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
- 1 SPN 1120C Elementary Spanish Language and Civilization I 4 hrs

1 Any language course at this level is acceptable.

Sophomore Year - Fall 16 hrs
- BSC 1005 Biological Principles 3 hrs
- LIT 2120 World Literature II 3 hrs
- PSY 2012 General Psychology 3 hrs
- Restricted Elective 3 hrs
- 1 SPN 1121C Elementary Spanish Language and Civilization II 4 hrs

1 Any language course at this level is acceptable.

Sophomore Year - Spring 15 hrs
- ENG 3014 Theories and Techniques of Literature Study 3 hrs
- AML 3031 American Literature I 3 hrs
- AML 3041 American Literature II 3 hrs
- Restricted Elective 3 hrs
- 1 SPN 2200 Intermediate Spanish Language and Civilization I 3 hrs

1 Third semester of language can be replaced with a diversity course. See department advisor for list of approved courses.

Junior Year - Fall 15 hrs
- LIT 3212 Research & Writing About Literature 3 hrs
- ENL 4273 Modern British Literature 3 hrs
- LIN 4105 History of the English Language 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Junior Year - Spring 15 hrs
- ENL 3231 Restoration Literature 3 hrs
- AML 4261 Literature of the South 3 hrs
- ENL 4333 Shakespeare Studies 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Senior Year - Fall 15 hrs
- AML 4101 American Novel 3 hrs
- ENL 4253 The Victorian Age 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Senior Year - Spring 13 hrs
- LIT 3383 Women in Literature 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 1 hr

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

English - Technical Communication (B.A.)

College of Arts and Humanities
Department of English, Colbourn Hall, Room: 405
http://english.ucf.edu
Email: english@ucf.edu
Dr. Trey Philpotts
Phone: 407-823-5596

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a “C” (2.0) in each required course.
- Co-op or internship credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF English Department.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   Required ENC 1101 Composition I 3 hrs
   Required ENC 1102 Composition II 3 hrs
   Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

   B: Cultural & Historical Foundations (9 hrs)

   C: Mathematical Foundations (6 hrs)

   Math:
   Suggested MGF 1106 Finite Mathematics or 3 hrs
   Suggested MGF 1107 Explorations in Mathematics or 3 hrs
   You may substitute a higher level math with appropriate scores on the Math Placement Test.

2. Core Requirements: Basic Level (6 hrs)
   Select 1:
   ENC 3241 Writing for the Technical Professional 3 hrs
### 4. Core Requirements: Advanced Level (15 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 4280</td>
<td>Technical Writing Style</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 4293</td>
<td>Documentation and the Collaborative Process</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 4294</td>
<td>Documentation and Client-Based Collaboration</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIT 4433</td>
<td>Literature of Science and Technology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Select 1:
- ENC 4215  Technical Publication and Project Management or ENC 4218  The Visual in Technical Documentation (3 hrs)

Select 2:
- ENL 2012  English Language I or ENL 3220  English Renaissance Poetry and Prose or ENL 4230  Eighteenth-Century Studies or ENL 4240  English Romantic Writers or ENL 4311  Chaucer or ENL 4333  Shakespeare Studies or ENL 4341  Milton and His Age or LIT 4374  Literature of the Bible or AML 3286  American Women’s Words or AML 3640  Native American Literature or AML 3296  Gothic Literature (3 hrs)

### 5. Restricted Electives (6 hrs)

Select at least one of these pre-1865 literature courses:
- AML 3031  American Literature I or AML 3613  Narratives of Slavery or ENL 2012  English Language I or ENL 3220  English Renaissance Poetry and Prose or ENL 4230  Eighteenth-Century Studies or ENL 4240  English Romantic Writers or ENL 4311  Chaucer or ENL 4333  Shakespeare Studies or ENL 4341  Milton and His Age or LIT 4374  Literature of the Bible or AML 3286  American Women’s Words or AML 3640  Native American Literature or AML 3296  Gothic Literature (3 hrs)

Select at least one of these post 1865 literature courses:
- AML 3041  American Literature II or AML 3283  Contemporary American Women’s Fiction or AML 3614  Topics in African-American Literature or AML 3615  Harlem, Haiti, and Havana or AML 4101  American Novel or AML 4155  Modern American Poetry or AML 4261  Literature of the South or AML 4265  Florida Writers or AML 4321  Modern American Literature or AML 4630  Latin/Hispanic Literature or ENL 2022  English Literature II or ENL 4101  English Novel or ENL 4253  The Victorian Age or ENL 4262  Nineteenth Century British Prose or ENL 4273  Modern British Literature or LIT 3082  Continental European Fiction Since 1900 or LIT 3192  Caribbean Literature or LIT 4043  Modern Drama as Literature or LIT 4184  Irish Literature or LIT 4303  Post-World War II Fiction or AML 3643  Contemporary Native American Prose and Poetry or LIT 3823  Hispanic Women Writers (3 hrs)

### 6. Capstone Requirements
- None
**UCF Degree Programs**

### Acceptable Substitutes for Transfer Courses
- ENC 1101 & 1102: may use any two lower level courses, taught in the English Department, and each having a 6,000 word requirement. However, ENC 1101 & 1102 are prerequisites for all subsequent English courses and will need to be taken for the major.

### Plan of Study
- One of the numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

#### Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- HUM 2210 Humanistic Tradition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- AMH 2020 U.S. History: 1877-Present 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

#### Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- CHM 1020 Concepts in Chemistry 3 hrs
- LIT 2110 World Literature I 3 hrs
- STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
- SPN 1120C Elementary Spanish Language and Civilization I 4 hrs

#### Sophomore Year - Fall
- LIT 2120 World Literature II 3 hrs
- PSY 2012 General Psychology 3 hrs
- SPN 1121C Elementary Spanish Language and Civilization II 4 hrs
- BSC 1005 Biological Principles 3 hrs
- Restricted Elective 3 hrs

#### Sophomore Year - Spring
- ENC 3241 Writing for the Technical Professional 3 hrs
- AML 3613 Narratives of Slavery 3 hrs
- SPN 2200 Intermediate Spanish Language and Civilization I 3 hrs
- CRW 3013 Creative Writing for English Majors 3 hrs

#### Junior Year - Fall
- ENC 4293 Documentation and the Collaborative Process 3 hrs
- AML 3041 Introductory Spanish I 3 hrs
- LIT 4433 Literature of Science and Technology 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

#### Junior Year - Spring
- ENC 4294 Documentation and Client-Based Collaboration 3 hrs
- ENC 4280 Technical Writing Style 3 hrs
- LIT 3313 Science Fiction 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

#### Senior Year - Fall
- ENC 4218 The Visual in Technical Documentation 3 hrs
- ENC 4262 International Technical Communication 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

#### Senior Year - Spring
- ENC 4414 Writing and Hypertext 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 1 hr

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oes.ucf.edu/alc/academic_learning_compacts.htm](http://www.oes.ucf.edu/alc/academic_learning_compacts.htm)

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**English Language Arts Education (B.S.)**

**College of Education and Human Performance**

**School of Teaching, Learning, and Leadership,**

**Education Building, Room: 209**

[http://education.ucf.edu/englishteach/](http://education.ucf.edu/englishteach/)

Dr. Elsie Olan, ED 223N, Elsie.Olan@ucf.edu, 407-823-5179

Dr. Janet Andreasen, Janet.Andreasen@ucf.edu

The English Language Arts Education B.S. program offers students the option of two tracks: English Language Arts Education - Education Track and English Language Arts Education - Lifelong Learning Track (non-certification). The Education Track is appropriate for students interested in opportunities for employment with formal, 6-12 schools that require certification. The Lifelong Learning Track is appropriate for students seeking opportunities for employment outside formal, K-12 schools that do not require certification.

### Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e., an AA degree from a Florida College System or State University System institution.
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of "C-" (1.75) or better.
- Meet the Gordon Rule Requirement.
- Meet Foreign Language Admission Requirement.
- Have a minimum 2.5 overall GPA.
- Education Track: Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted). The Lifelong Learning Track is a non-certification program and does not require the General Knowledge Test.

### Degree Requirements
- Students should see an advisor prior to registering for classes.
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- The Education Track is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. **UCF General Education Program (GEP) (36 hrs)**
   - Students are advised to take the preferred courses.

   **A: Communication Foundations** (9 hrs)
   - Required ENC 1101 Composition I 3 hrs
   - Required ENC 1102 Composition II 3 hrs
   - Required SPC 1608 Fundamentals of Oral Communication 3 hrs

   **B: Cultural & Historical Foundations** (9 hrs)
   - General Education Program course from section B1 to meet Gordon Rule Requirement
   - Required LIT 2110 World Literature I 3 hrs

   **Select 1:**
   - Prefer MUL 2041 Enjoyment of Music or 3 hrs
   - Prefer THE 2000 Theatre Survey or 3 hrs
   - Prefer PHI 2010 Introduction to Philosophy 3 hrs

   **C: Mathematical Foundations** (6 hrs)
   - Prefer MGF 1106 Finite Mathematics 3 hrs

   **Select 1:**
   - Prefer STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
   - Prefer STA 2014C Principles of Statistics 3 hrs

   **D: Social Foundations** (6 hrs)
   - Prefer POS 2041 American National Government 3 hrs
   - Prefer PSY 2012 General Psychology 3 hrs
# UCF Degree Programs

## Education Track
- **Lifelong Learning Track requires 12 semester hours**
- **Education Track requires 9 semester hours**

## Transitions Services section for more information.

### EDU 2005
- **Introduction to the Teaching Profession**
  - 3 hrs

### EDF 2005
- **Introduction to Diversity for Educators**
  - 3 hrs

### EDF 2040
- **Introduction to Technology for Educators**
  - 3 hrs

### ENC 1101
- **Composition I**
  - GEP

### ENC 1102
- **Composition II**
  - GEP

### SPC 1608
- **Fundamentals of Oral Communication**
  - GEP

### LIT 2110
- **World Literature I**
  - GEP

### LAE 2130
- **Child and Adolescent Development for Educators**
  - 3 hrs

### ENL 2102
- **English Literature I**
  - GEP

### ENL 2022
- **English Literature II**
  - 3 hrs

### Select 1:
- **Child and Adolescent Development for Educators**
  - 3 hrs

### Internship I Block 9 hrs
- Prior to Internship I, the student must have completed:
  - EDG 4410 Teaching Strategies and Classroom Management
  - EDF 4467 Learning Theory and Assessment
  - TLS 4080 Theory and Practice of Teaching ESOL

### Students in Schools
- **LAE 4666 Canon, Young Adult Literature and Curriculum**
  - 3 hrs

### Select preferred specialization courses with advisor approval.
- **A minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.**

### Pass on the Florida Teacher Certification Examination (FTCE) are required prior to entry into Internship II.
- **LAE 4841 Internship**
  - 9 hrs

### Critical Issues and Trends in Education
- **ESE 4033C**
  - 3 hrs

### Lifelong Learning Track Specialization
- **42 hrs Requirements**

### CRW 3013
- **Creative Writing for English Majors**
  - 3 hrs

### ENG 3014
- **Theories and Techniques of Literature**
  - 3 hrs

### AML 3031
- **American Literature I**
  - 3 hrs

### AML 3041
- **American Literature II**
  - 3 hrs

### LAE 4665
- **English Language Arts Curriculum**
  - 3 hrs

### LAE 4664
- **Survey of Adolescent Literature**
  - 3 hrs

### LAE 4361
- **Literacy Strategies in a Digital Age for Middle and High School**
  - 3 hrs

### Select 1:
- **Essay as Cultural Commentary**
  - 3 hrs

### LAE 4105
- **History of the English Language**
  - 3 hrs

### Preference for Internship I

---

**Notes:**
- In addition to this course, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.
- Education Track requires 9 semester hours
- Lifelong Learning Track requires 12 semester hours

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**3. Core Requirements: Basic Level (9 hrs)**
- **Education Track requires 9 semester hours**
- **Lifelong Learning Track requires 12 semester hours**

### Education Track
- **9 hrs**

#### Select 1:
- **Child and Adolescent Development for Educators or Adult Development & Learning**
  - 3 hrs

---

**4. Core Requirements: Advanced Level (63 hrs)**
- **Education Track requires 66 semester hours**
- **Lifelong Learning Track requires 63 semester hours**

### Education Core Requirements
- **21 hrs**

#### Select 1:
- **Internship I**
  - 9 hrs

### Education Track Specialization Requirements
- **24 hrs**

#### Select 1:
- **Essay as Cultural Commentary or History of the English Language**
  - 3 hrs

---

**Internship I Block**
- Prior to Internship I, the student must have completed:
  - EDG 4410 Teaching Strategies and Classroom Management
  - EDF 4467 Learning Theory and Assessment
  - TLS 4080 Theory and Practice of Teaching ESOL

### Students in Schools
- **LAE 4666 Canon, Young Adult Literature and Curriculum**
  - 3 hrs

### Select preferred specialization courses with advisor approval.
- **A grade of “C-” (1.75) or better is required.**
- **Must have a total of 48 or more hours of upper level courses to graduate.**

### LAE 4664
- **Survey of Adolescent Literature**
  - 3 hrs

### LAE 4360
- **English Instructional Analysis**
  - 3 hrs

### LAE 3940
- **Internship**
  - 3 hrs

---

**Internship II Block**
- All methods courses and at least 80% of all specialization courses must be completed with a letter grade of “C-” (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.

### Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at:
- [http://www.education.ucf.edu/clinicalexperience/](http://www.education.ucf.edu/clinicalexperience/)

### LAE 4360
- **Instructional Analysis**
  - 3 hrs

### LAE 4342
- **Programs in Teaching Language and Composition**
  - 3 hrs

### LAE 3940
- **Internship**
  - 3 hrs

---

**Lifelong Learning Track Specialization**
- **42 hrs Requirements**

#### Select preferred specialization courses with advisor approval.
- A minimum of nine (9) hours must be taken in the content area. Substitutions are allowed with advisor approval.

### LAE 4665
- **English Language Arts Curriculum**
  - 3 hrs

### LAE 4664
- **Survey of Adolescent Literature**
  - 3 hrs

### LAE 4360
- **English Instructional Analysis**
  - 3 hrs

### LAE 4342
- **Programs in Teaching Language and Composition**
  - 3 hrs

### LAE 3940
- **Internship**
  - 3 hrs

---

**Notes:**
- In addition to this course, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.
- Education Track requires 9 semester hours
- Lifelong Learning Track requires 12 semester hours
UCF Degree Programs

60 semester hours earned after CLEP awarded

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded

12. University Minimum Exit Requirements

- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 120

Honors In Major

- None

Related Programs

- None

Certificates

- None

Related Minors

- None

Advising Notes

- Consult with your Education advisor and review your degree audit for more recent information.

Transfer Notes

- None

Acceptable Substitutes for Transfer Courses

- None

Plan of Study

Freshman Year - Fall

- 12 hrs
- GEP B1 Elective
- ENC 1101 Composition I
- MGF 1106 Finite Mathematics
- PSY 2012 General Psychology

Freshman Year - Spring

- 12 hrs
- ENC 1102 Composition II
- POS 2041 American National Government
- FSC 1121 Physical Science

Select 1:

- 3 hrs
- MUL 2010 Enjoyment of Music
- THE 2000 Theatre Survey
- PHI 2010 Introduction to Philosophy

Freshman Year - Summer

- 6 hrs
- LIT 2110 World Literature I

Education Track

- 3 hrs
- EDF 2130 Child and Adolescent Development for Educators
- EDP 2270 Adult Development & Learning

Lifelong Learning Track

- 3 hrs
- EDF 2130 Child and Adolescent Development for Educators
- EDP 2270 Adult Development & Learning

Sophomore Year - Fall

- 15 hrs
- ENL 2012 English Literature I
- EDF 2005 Introduction to the Teaching Profession
- SPC 1608 Fundamentals of Oral Communication

Select 1:

- 3 hrs
- STA 2014C Principles of Statistics
- STA 1063C Basic Statistics Using Microsoft Excel

Sophomore Year - Spring

- 12 hrs
- ENL 2022 English Literature II
- EDF 2085 Introduction to Diversity for Educators
- EME 2040 Introduction to Technology for Educators

Education Track

- 3 hrs
- AML 3031 American Literature I

Lifelong Learning Track

- 3 hrs
- MHS 2330 Career Planning

Sophomore Year - Summer

- 6 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools

UNIVERSITY OF CENTRAL FLORIDA
### UCF Degree Programs

**Education Track**

- AML 3041 American Literature II 3 hrs

**Lifelong Learning Track**

- Choose Lifelong Learning Specialization course 3 hrs

**Junior Year - Fall**

- TSL 4240 Issues in Second Language Acquisition 3 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs

**Education Track**

- CRW 3013 Creative Writing for English Majors 3 hrs

**Select 1:**

- ENC 3311 Essay as Cultural Commentary or LIN 4105 History of the English Language 3 hrs

**Lifelong Learning Track**

- Choose Lifelong Learning Specialization courses 6 hrs

**Junior Year - Spring**

- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs

**Education Track**

- LAE 4446 Survey of Adolescent Literature and Canon, Young Adult Literature and the English Language Arts Curriculum 3 hrs

**Select 1:**

- LAE 4466 Literacy Strategies in a Digital Age for Middle and High School and ESE 4033 Critical Issues and Trends in Secondary Education 3 hrs

**Lifelong Learning Track**

- Choose Lifelong Learning Specialization courses 9 hrs

**Junior Year - Summer**

- ENG 3014 Theories and Techniques of Literature Study 3 hrs

**Education Track**

- LAE 4360 English Instructional Analysis and Internship and LAE 4342 Programs in Teaching Language and Composition 3 hrs

**Lifelong Learning Track**

- Choose a Lifelong Learning Specialization course 3 hrs

**Senior Year - Fall**

- EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs

**Education Track**

- LAE 4361 Literacy Strategies in a Digital Age for Middle and High School and LAE 4466 Survey of Adolescent Literature and Canon, Young Adult Literature and the English Language Arts Curriculum 3 hrs

**Select 1:**

- LAE 4341 English Language Arts Curriculum 3 hrs

**Lifelong Learning Track**

- Choose Lifelong Learning Specialization courses 9 hrs

**Senior Year - Spring**

- LAE 4941 Internship and ESE 4033 Critical Issues and Trends in Secondary Education 9 hrs

**Education Track**

- LAE 4360 English Instructional Analysis and Internship and LAE 4342 Programs in Teaching Language and Composition 3 hrs

**Lifelong Learning Track**

- Choose Lifelong Learning Specialization courses 12 hrs

### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.o eas.ucf.edu/alc/academic_learning_compacts.htm](http://www.o eas.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees

- Part-Time Student: $12 per term
- Full-Time Student: $24 per term

### Entertainment Management (B.S.)

**Rosen College of Hospitality Management**

**Department of Tourism Event and Attractions**

**9907 Universal Boulevard, Orlando, FL 32819**

[http://www.hospitality.ucf.edu](http://www.hospitality.ucf.edu)

**Email:** hospitality@ucf.edu

Dr. Robertico Croes, Department Chair
Dr. Abraham Pizam, Dean
Phone: 407-903-8000

### Admission Requirements

- **None**

### Degree Requirements

- **Students must earn a minimum 2.0 overall GPA in course work taken within the Rosen College of Hospitality Management, and a minimum 2.0 GPA in all courses listed in the common program prerequisites, the basic and advanced cores, and the restricted electives.**
- **Students must earn a "C" (2.0) or better in each course listed in the common program prerequisites, the basic and advanced cores, and the restricted electives.**

1. **UCF General Education Program (GEP) (36 hrs)**
   
   **A: Communication Foundations (9 hrs)**
   
   **B: Cultural & Historical Foundations (9 hrs)**
   
   **C: Mathematical Foundations (6 hrs)**
   
   Required MAC 1105C College Algebra 3 hrs
   
   **Select 1:**
   
   - Required STA 2023 Statistical Methods I 3 hrs
   
2. **Social Foundations (6 hrs)**
   
   **Select 1:**
   
   - Required ECO 2013 Principles of Macroeconomics 3 hrs
   
   **Select 2:**
   
   - Required ECO 2023 Principles of Microeconomics 3 hrs
   
   **Select 3:**
   
   - Required PSY 2012 General Psychology or STA 2023 Statistical Methods I 3 hrs
   
3. **Science Foundations (6 hrs)**
   
   **Select 1:**
   
   - Required SYG 2000 Introduction to Sociology or STA 2023 Statistical Methods I 3 hrs
   
   **Select 2:**
   
   - Required ANT 2000 General Anthropology 3 hrs

4. **Common Program Prerequisites (CPP) (3 hrs)**

   - See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

   **HFT 2071 Introduction to the Entertainment Industry (3 hrs)**

5. **Core Requirements: Basic Level (36 hrs)**

   **Select 1:**
   
   - Required STA 2023 Statistical Methods I or STA 2023 Statistical Methods II 3 hrs
   
   **Select 2:**
   
   - Required STA 2100C Computer Fundamentals for Business 3 hrs
   
6. **Core Requirements: Advanced Level (72 hrs)**

   **Hospitality Management Core (15 hrs)**
   
   - HFT 2750 The Event Industry 3 hrs
   
   - HFT 2401 Hospitality Industry Financial Accounting 3 hrs
   
   - HFT 3540 Guest Services Management I 3 hrs
   
   - HFT 4755 Theme Park and Attraction Management 3 hrs
   
   - HFT 4795 Entertainment Arts and Events 3 hrs

   **Entertainment Management Core (42 hrs)**

   - HFT 2071 Introduction to the Entertainment Industry 3 hrs
   
   - HFT 2330 Entertainment Management 3 hrs
   
   - HFT 2563 Digital Marketing in Entertainment 3 hrs
   
   - HFT 3375 Entertainment Business 3 hrs
   
   - HFT 3376 Foundations of Production Management 3 hrs
   
   - HFT 3463 Revenue & Relationships in the Entertainment Industry 3 hrs
# UCF Degree Programs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 3395</td>
<td>Entertainment Media and Technology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3795</td>
<td>Leading in the Entertainment Industry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4377</td>
<td>Entertainment Production Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4469</td>
<td>Financial Performance in Entertainment</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4623</td>
<td>Entertainment Law and Ethics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3593</td>
<td>Consumer Behavior in Entertainment</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4378</td>
<td>Entertainment Portfolio Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4626</td>
<td>Public Policy Issues in the Entertainment Industry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4398</td>
<td>Entertainment Entrepreneurship</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Internships**

12 hrs

- MUL 2010 Enjoyment of Music 3 hrs
- THE 2000 Theatre Survey 3 hrs
- MUS 4320 Music Business and Industry 3 hrs
- THE 3082 Theatre Careers 3 hrs

**Internships**

3 hrs

- HFT 3940 Internship I 1 hr
- HFT 4941 Internship II 1 hr
- HFT 4944 Internship III 1 hr

**5. Restricted Electives**

(9 hrs)

**Management Electives**

- 3000 or Higher Restricted Elective and 3 hrs
- 3000 or Higher Restricted Elective and 3 hrs
- 3000 or Higher Restricted Elective and 3 hrs

**6. Capstone Requirements**

- None

**7. Foreign Language Requirements**

**Admissions**

- State University System foreign language admission requirement: two years in high school or one year in college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

**Graduation**

- None

**8. Electives**

- None

**9. Additional Requirements**

- Final exams will be given during Final Exam Week only.
- Transfer students to this program must take a minimum of thirty (30) credit hours in Hospitality Management core classes or restricted electives at UCF.

**10. Required Minors**

- None

**11. Departmental Exit Requirements**

- None

**12. University Minimum Exit Requirements**

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

**Total Semester Hours Required**

120

**Honors In Major**

- None

**Related Programs**

- None

**Certificates**

- None

**Related Minors**

- None

**Advising Notes**

- Students must earn a “C” (2.0) or better in each course listed in the common program prerequisites, the basic and advised cores, and the restricted electives.

**Transfer Notes**

- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF College of Hospitality Management.
- Florida College System institution students are encouraged to complete the general education requirements prior to transferring to UCF.
- A minimum of 30 semester hours must be completed at UCF within the event major.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Students should take advantage of both.

**Acceptable Substitutes for Transfer Courses**

- None

---

**Plan of Study**

**Freshman Year - Fall**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 1105C</td>
<td>College Algebra</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 2071</td>
<td>Introduction to the Entertainment Industry</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Select 1:**

- PSY 2012 General Psychology 3 hrs
- SYG 2000 Introduction to Sociology 3 hrs
- ANT 2000 General Anthropology 3 hrs

**Sophomore Year - Fall**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1102</td>
<td>Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 2330</td>
<td>Entertainment Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CGS 2100C</td>
<td>Computer Fundamentals for Business</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Statistical Methods I</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Select 1:**

- MUL 2010 Enjoyment of Music 3 hrs
- THE 2000 Theatre Survey 3 hrs

**Sophomore Year - Spring**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPC 1608</td>
<td>Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 2563</td>
<td>Digital Marketing in Entertainment</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Principles of Macroeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 2023</td>
<td>Principles of Microeconomics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Select 1:**

- MUL 2010 Enjoyment of Music 3 hrs
- THE 2000 Theatre Survey 3 hrs

**Junior Year - Fall**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
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<tbody>
<tr>
<td>HFT 3540</td>
<td>Guest Services Management I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4941</td>
<td>Internship II</td>
<td>1 hr</td>
</tr>
<tr>
<td>MUS 4320</td>
<td>Music Business and Industry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3375</td>
<td>Entertainment Business</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3376</td>
<td>Foundations of Production Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>3000 or Higher Restricted Elective</td>
<td>3 hrs</td>
<td></td>
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**Junior Year - Spring**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>HFT 4755</td>
<td>Theme Park and Attraction Management</td>
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<tr>
<td>HFT 4623</td>
<td>Entertainment Law and Ethics</td>
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</tr>
<tr>
<td>HFT 3463</td>
<td>Revenue &amp; Relationships in the Entertainment Industry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>3000 or Higher Restricted Elective</td>
<td>3 hrs</td>
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</tr>
<tr>
<td>THE 3082</td>
<td>Theatre Careers</td>
<td>3 hrs</td>
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</table>

**Senior Year - Fall**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>HFT 4377</td>
<td>Entertainment Production Management</td>
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<td>HFT 3395</td>
<td>Entertainment Media and Technology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4469</td>
<td>Financial Performance in Entertainment</td>
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<td>HFT 3593</td>
<td>Consumer Behavior in Entertainment</td>
<td>3 hrs</td>
</tr>
<tr>
<td>3000 or Higher Restricted Elective</td>
<td>3 hrs</td>
<td></td>
</tr>
</tbody>
</table>
Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Environmental Engineering (B.S.Env.E.)

College of Engineering and Computer Science

Department of Civil, Environmental, and Construction Engineering, Engineering II, Room: 211

http://www.cece.ucf.edu

Carol Ann Pohl, carolann.pohl@ucf.edu

Dr. Andrew Randall, andrew.randall@ucf.edu

Phone: 407-823-2841

Admission Requirements

Students wanting to declare a major in an engineering discipline must be in good academic standing and must have a "C" (2.0) or better in each of the following courses or their equivalents: MAC 2311C, MAC 2312, PHY 2048C, and CHM 2045C or CHM 2040 AND CHM 2041.

Students wanting to declare a major in an engineering discipline must complete a change of major in the term of completion of the final pending prerequisite course(s) listed above.

Degree Requirements (128 hrs)

- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing the courses from section 3 Basic Core Requirements, section 4 Advanced Core Requirements, section 5 Restricted Electives and section 6 Capstone Requirements listed below. Independent study courses generally do not satisfy major requirements.
- A "C" (2.0) or better is required in each pre-requisite course in section 2 Common Program Prerequisites, section 4 Advanced Core Requirements, and section 6 Capstone Requirements.
- Students in the Environmental Engineering major are expected to make consistent good progress toward their degrees to remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Environmental Engineering who repeats any UCF course and does not earn a grade of "C" (2.0) or better on the second attempt will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation does not receive a grade of "C" (2.0) or better by the third attempt in the same UCF course, the student will be excluded from all CECS or COP majors. Any student majoring in Environmental Engineering who has accumulated 7 or more unsuccessful attempts (i.e., grades below "C" (2.0) and withdrawals) over all courses taken at UCF will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation has a tenth unsuccessful attempt over all courses taken at UCF, the student will be excluded from all CECS and COP majors.
- A student who is excluded from CECS and COP majors may seek readmission to a major in CECS or COP after at least one full year has passed since exclusion. Readmission is not automatic and is dependent upon a high probability of success after readmission. Any student who is readmitted to the Environmental Engineering major will be subject to all probation conditions that applied at the time of exclusion.

1. UCF General Education Program (GEP) (38 hrs)

- The UCF General Education Program (GEP) is described in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida College System or State University System should complete the GEP and the Common Program Prerequisites before transferring.

A: Communication Foundations (9 hrs)

- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Suggested SPC 1003C Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)

- Select two courses from Historical Foundations 6 hrs
- Select one class from MUL 1010, PHI 1010 or THE 1000 3 hrs

C: Mathematical Foundations (7 hrs)

- Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
- Required STA 3032 Probability and Statistics for Engineers 3 hrs

D: Social Foundations (6 hrs)

- Select one class from Social Foundations Group 1 3 hrs
- Select one class from Social Foundations Group 2 3 hrs

E: Science Foundations (7 hrs)

- Required PHY 2048C General Physics Using Calculus I 4 hrs
- Prefer GEO 1200 Physical Geography 3 hrs

2. Common Program Prerequisites (CPP) (19 hrs)

- These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs.
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
- A grade of "C" (2.0) or better is required in each course in this section.

- MAC 2311C Calculus with Analytic Geometry I GEP
- MAC 2311C Calculus with Analytic Geometry II 4 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- MAP 2302 Ordinary Differential Equations I 3 hrs
- PHY 2048C General Physics Using Calculus I GEP
- PHY 2049C General Physics Using Calculus II 4 hrs

Select one of the following sequences of courses:

- Preferred course

  CHM 2045C Chemistry Fundamentals I 4 hrs
  or
  CHM 2040 Chemistry Fundamentals IA and 3 hrs
  CHM 2041 Chemistry Fundamentals IB 3 hrs

- Also satisfy UCF GEP sub-requisites

3. Core Requirements: Basic Level (9 hrs)

- Environmental engineering majors must complete both Earth Science and Biological Science coursework. See assigned academic advisor for list of approved courses.
- EGS 1006C Introduction to the Engineering Profession 1 hr
- EGN 1007C Engineering Concepts and Methods 1 hr
- CHM 2045C Chemistry Fundamentals I CPP
- CHM 2046C Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- Earth Science GEP
- Biological Science 3 hrs

A "C" (2.0) or better is required in this course.
### UCF Degree Programs

#### 4. Core Requirements: Advanced Level (53 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>1 EGN 3310</td>
<td>Engineering Analysis-Statics</td>
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</tr>
<tr>
<td>1 EGN 3321</td>
<td>Engineering Analysis-Dynamics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 EGN 3331C</td>
<td>Mechanics of Materials</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 EGN 3343</td>
<td>Thermodynamics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 EGN 3613</td>
<td>Engineering Economic Analysis</td>
<td>2 hrs</td>
</tr>
<tr>
<td>1 ENV 3001</td>
<td>Environmental Engineering</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CCE 4003</td>
<td>Introduction to the Construction Industry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 STA 3032</td>
<td>Probability and Statistics for Engineers</td>
<td>4 hrs</td>
</tr>
<tr>
<td>1 CWR 3201</td>
<td>Engineering Fluid Mechanics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CEG 4011C</td>
<td>Geotechnical Engineering I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>EES 4111C</td>
<td>Biological Process Control</td>
<td>4 hrs</td>
</tr>
<tr>
<td>EES 4020C</td>
<td>Chemical Process Control</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 ENV 4531</td>
<td>Environmental Engineering Unit Operations &amp; Processes</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENV 4120</td>
<td>Air Pollution and Hazardous Waste Control</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENV 4561</td>
<td>Advanced Environmental Engineering Operations &amp; Processes</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENV 4341</td>
<td>Sustainable Resource Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CWR 4202C</td>
<td>Hydraulics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Select one of the following:

- CWR 4120 Hydrology or 3 hrs
- CWR 4124 Hydrogeology 3 hrs

1 A "C" (2.0) or better is required in this course.

#### 5. Restricted Electives (3 hrs)

- Technical electives are available in the BSEnvE program to address specific student interests in a variety of technical areas. Students should consult with their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

#### 6. Capstone Requirements (6 hrs)

- Required Senior Design Courses
- Environmental Engineering Design 3 hrs
- Specialization
- Must be completed before registering for CGN 4808C - Capstone Design
- ENV 4433C Environmental Engineering Wastewater 3 hrs
- 1 ENV 4123C Air Pollution Control Design or 3 hrs
- 1 ENV 4562C Environmental Engineering Water Treatment Design 3 hrs
- CGN 4808C CECE Capstone Design 3 hrs

1 A “C” (2.0) or better is required in this course.

#### 7. Foreign Language Requirements Admissions

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

#### Graduation

- None

#### 8. Electives

- None

#### 9. Additional Requirements

- EnvE students must take the Fundamentals of Engineering (FE) Exam during their Senior year.
- Applications must be received by the Florida Board of Professional Engineers approximately 6 months in advance of your exam date.

#### 10. Required Minors

- None

#### 11. Departmental Exit Requirements

- None

#### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

### Total Semester Hours Required

- 128

#### Honors In Major

- None

#### Related Programs

- Chemistry
- Construction Engineering
- Civil Engineering

#### Certificates

- None

#### Related Minors

- Chemistry
- Environmental Studies
- Mathematics
- Engineering Leadership
- Bioengineering

#### Advising Notes

- Each engineering student is assigned a qualified engineering academic advisor in the department of his/her major. Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.
- The Environmental Engineering program offers the opportunity for exceptionally well qualified undergraduates to enter directly into the PhD program after completion of an appropriate BS degree. This option allows outstanding undergraduates to begin planning a research program with a specific faculty advisor even before finishing the BS, and may allow completion of the PhD in a shorter time period than by taking a separate Masters followed by the PhD.

#### Transfer Notes

- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.
- EGS 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one hour for each) may, with prior approval of the department academic advisor, be moved to the Restricted Elective area.

#### Acceptable Substitutes for Transfer Courses

- None

#### Plan of Study (128 hrs)

- The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their departmental academic advisor to develop and maintain an appropriate plan of study.

----------

### Freshman Year - Fall

- ENC 1101 Composition I 3 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- EGS 1006C Introduction to the Engineering Profession 1 hr
- CHM 2045C Chemistry Fundamentals I 4 hrs
- Biological Science Requirement 3 hrs

### Freshman Year - Spring

- ENC 1102 Composition II 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- PHY 2048C General Physics Using Calculus I 4 hrs
- EGN 1007C Engineering Concepts and Methods 1 hr
- GEP 3 hrs

### Sophomore Year - Fall

- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- EGN 3310 Engineering Analysis-Statics 3 hrs
- EGN 3613 Engineering Economic Analysis 2 hrs
- EGS 1007C Introduction to the Engineering Profession 1 hr
- ENV 3001 Environmental Engineering 3 hrs

### Sophomore Year - Spring

- MAP 2302 Ordinary Differential Equations I 3 hrs
- EGN 3331C Mechanics of Materials 3 hrs
- PHY 2049C General Physics Using Calculus II 4 hrs
- EGN 3321 Engineering Analysis-Dynamics 3 hrs
Sophomore Year - Summer 9 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs
- CWR 3201 Engineering Fluid Mechanics 3 hrs
- GEP 3 hrs

Junior Year - Fall 16 hrs
- ENV 4531 Environmental Engineering Unit Operations & Processes 3 hrs
- EES 4202C Chemical Process Control 4 hrs
- ENV 4120 Air Pollution and Hazardous Waste Control 3 hrs
- CWR 4202C Hydraulics 3 hrs
- GEP 3 hrs

Junior Year - Spring 16 hrs
- EES 4111C Biological Process Control 4 hrs
- ENV 4561 Advanced Environmental Engineering Operations & Processes 3 hrs
- GEP Approved Project Design 3 hrs
- Select 1: 3 hrs
  - CWR 4120 Hydrology or CWR 4124 Hydrogeology 3 hrs

Senior Year - Fall 13 hrs
- CEG 4011C Geotechnical Engineering I 4 hrs
- ENV 4341 Sustainable Resource Management 3 hrs
- GEP 3 hrs
- Earth Science 3 hrs

Senior Year - Spring 12 hrs
- Technical Elective 3 hrs
- GEP 3 hrs
- CGS 4080C CECE Capstone Design 3 hrs
- CCE 4003 Introduction to the Construction Industry 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oes.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $44 per term
- Full-Time Student: $87 per term

Event Management (B.S.)
Rosen College of Hospitality Management
Department of Tourism Event and Attractions,
9907 Universal Boulevard, Orlando, FL 32819
http://www.hospitality.ucf.edu
Email: hospitality@mail.ucf.edu
Dr. Roberto Croes, Department Chair
Dr. Abraham Pizam, Dean
Phone: 407-903-8000

Admission Requirements
- None

Degree Requirements
- Students must earn a minimum 2.0 overall GPA in course work taken within the Rosen College of Hospitality Management, and a minimum 2.0 GPA in all courses listed in the common program prerequisites, the basic and advanced core courses, and the restricted electives.
- Students must earn a “C” (2.0) or better in each course listed in the common program prerequisites, the basic and advised cores, and the restricted electives.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
     Required MAC 1105C College Algebra 3 hrs

   Select 1: 3 hrs
     Required CGS 2100C Computer Fundamentals for Business or STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)
   Select 1: 3 hrs
     Required ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics 3 hrs

   Select 1: 3 hrs
     Required PSY 2012 General Psychology or SYG 2000 Introduction to Sociology or ANT 2000 General Anthropology 3 hrs

2. Common Program Prerequisites (CPP) (6 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   - HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs

3. Core Requirements: Basic Level (50 hrs)
   - MAC 1105C College Algebra
   - CGS 2100C Computer Fundamentals for Business
   - STA 2023 Statistical Methods I or STA 2023 Statistical Methods II

   Select 1:
   - STA 2023 Statistical Methods I or CGS 2100C Computer Fundamentals for Business
   - STA 2023 Statistical Methods I

   Select 1:
   - ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics
   - ECO 2013 Principles of Macroeconomics
   - ECO 2023 Principles of Microeconomics

4. Core Requirements: Advanced Level (55 hrs)
   - HFT 2401 Hospitality Industry Financial Accounting 3 hrs
   - HFT 2500 Hospitality and Tourism Marketing 3 hrs
   - HFT 2220 Hospitality Human Resources Management 3 hrs
   - HFT 2254 Lodging Operations 3 hrs
   - HFT 3431 Hospitality Industry Managerial Accounting 3 hrs
   - HFT 3540 Guest Services Management I 3 hrs
   - HFT 4286 Hospitality Communications 3 hrs
   - HFT 4464 Hospitality Industry Finance 3 hrs

   Internships
   - HFT 3940 Internship I 1 hr
   - HFT 4941 Internship II 1 hr
   - HFT 4944 Internship III 1 hr

   Event Management Core 28 hrs
   - FSS 2284C Food Preparation for Catered Events 4 hrs
   - HFT 2750 The Event Industry 3 hrs
   - HFT 3670 Hospitality and Event Risk Management 3 hrs
   - HFT 3512 Event Promotion 3 hrs
   - HFT 3519 Event Services 3 hrs
   - HFT 3523 Event Sales 3 hrs
   - HFT 4757 Event Management 3 hrs
   - HFT 3443 Event Technology 3 hrs
   - HFT 4802 Catering Sales Management 3 hrs

   5. Restricted Electives (15 hrs)
   Complete any five restricted Event Management Electives
   15 hrs

   Management Electives
   - HFT 3741 Meeting Management or 3 hrs
   - HFT 4754 Exhibit and Trade Show Operations or 3 hrs
   - HFT 4795 Entertainment Arts and Events or 3 hrs
   - HFT 3798 Fairs and Festivals or 3 hrs
   - HFT 4561 Destination Marketing or 3 hrs
   - HFT 4736 Destination Management or 3 hrs
   - HFT 4796 International Events or 3 hrs
   - HFT 4375 Advanced Trade Show Management or 3 hrs
   - HFT 3357 Club Event Operations or 3 hrs
   - HFT 4866C Exploring Wines of the World 3 hrs

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   Admissions
   - State University System foreign language admission requirement: two years in high school or one year in college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

   Graduation
   - None
### UCF Degree Programs

#### 8. Electives
- 3-11 hours as necessary to result in 120 total credit hours.

#### 9. Additional Requirements
- Final exams will be given during Final Exam Week only.
- Transfer students to this program must take a minimum of thirty (30) credit hours in Hospitality Management core classes or restricted electives at UCF.

#### 10. Required Minors
- None

#### 11. Departmental Exit Requirements
- None

#### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

#### Total Semester Hours Required
- 120

#### Honors In Major
- None

#### Related Programs
- None

#### Certificates
- None

#### Related Minors
- None

#### Advising Notes
- Students must earn a “C” (2.0) or better in each course listed in the common program prerequisites, the basic and advised cores, and the restricted electives.

#### Transfer Notes
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF College of Hospitality Management.
- Florida College System institution students are encouraged to complete the general education requirements prior to transferring to UCF.
- A minimum of 30 semester hours must be completed at UCF within the event major.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Students should take advantage of both.

#### Acceptable Substitutes for Transfer Courses
- None

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees
- Part-Time Student: $37.50 per term
- Full-Time Student: $75 per term

### Film (B.F.A.)

**College of Arts and Humanities**

**School of Visual Arts and Design,**

Nicholson School of Communication, Room: 121


Email: svadadvising@ucf.edu

Phone: 407-823-2676

#### Admission Requirements
- The Film BFA major is a limited access program.
- Entrance into most Film classes is restricted to majors.
- Exceptions must be approved by the Department Chair.
- Applications to become a Film BFA major are required by December 15 for admission to the subsequent Fall term.
- A portfolio review is required for entry into the Film BFA major. Contact the Film Department for details, or visit the website, [http://www.film.cah.ucf.edu](http://www.film.cah.ucf.edu).

#### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students are required to maintain an overall average grade of “B” (3.0) or better in Film major courses.

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**UNIVERSITY OF CENTRAL FLORIDA**

206 Undergraduate Catalog 2016-2017
A maximum of six credit hours of internship may be earned in one semester. A total of six credit hours of internship may be earned within the 120 credit hours required for graduation.

Students must consult with a departmental advisor each semester.

All students are required to pay a fee for equipment insurance.

Departmental Residency Requirement consists of at least 48 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Film Department.

Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. **UCF General Education Program (GEP)** (36 hrs)

2. **Common Program Prerequisites (CPP)** (3 hrs)

3. **Core Requirements: Basic Level** (21 hrs)

4. **Core Requirements: Advanced Level** (36 hrs)

5. **Restricted Electives** (12 hrs)

6. **Capstone Requirements** (6 hrs)

7. **Foreign Language Requirements**

8. **Electives**

9. **Additional Requirements**

10. **Required Minors**

11. **Departmental Exit Requirements**

12. **University Minimum Exit Requirements**
Related Degree Programs

- Art
- Film - Cinema Studies Track
- Film - World Cinema Track
- English - Creative Writing
- Digital Media
- Music
- Theatre
- Radio - Television

Certificates

- None

Related Minors

- Art - Studio
- Film - Cinema Studies
- English - Creative Writing
- Digital Media
- Music
- Theatre
- Radio - Television

Advising Notes

- None

Transfer Notes

- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

FIL 2030 may substitute for FIL 1000, but FIL 2030 is a prerequisite for subsequent Film courses and must be taken.

FIL 1007 may use any introductory film writing course. However, FIL 1008 is a prerequisite for all major courses and must be taken.

Plan of Study

Freshman Year - Fall 12 hrs
ENC 1101 Composition I 3 hrs
FIL 1007 Foundations of Story 3 hrs
GEP 3 hrs
GEP 3 hrs

Freshman Year - Spring 12 hrs
ENC 1102 Composition II 3 hrs
FIL 2030 History of Motion Pictures 3 hrs
GEP 3 hrs
GEP 3 hrs

Freshman Year - Summer 6 hrs
GEP 3 hrs
GEP 3 hrs

Sophomore Year - Fall 15 hrs
FIL 2107 Script Analysis 3 hrs
FIL 3427C Introduction to Film Production 3 hrs
FIL 1008 Cinematic Expression/Aesthetics 3 hrs
GEP 3 hrs
GEP 3 hrs

Sophomore Year - Spring 15 hrs
FIL 2480 Directing for Film I 3 hrs
FIL 2481 Directing the Actor for Film I 3 hrs
FIL 2552 Editing I 3 hrs
FIL 3115 Short Script I 3 hrs
GEP 3 hrs

Sophomore Year - Summer 8 hrs
Foreign Language Elementary Level I 4 hrs
Foreign Language Elementary Level II 4 hrs

Junior Year - Fall 15 hrs
FIL 2461 Cinematography I 3 hrs
FIL 3036 Film History I 3 hrs
FIL 3534 Sound Design for Film I 3 hrs
FIL 3803C Film Theory and Criticism I 3 hrs
FIL 4486C Directing for Film II 3 hrs

Junior Year - Spring 15 hrs
FIL 3037 Film History II 3 hrs
FIL 3132 Short Script II 3 hrs
DIG 2000 Introduction to Digital Media 3 hrs
FIL 4647 Film Production Management 3 hrs
FIL 4661 The Film Producer 3 hrs

Senior Year - Fall 12 hrs
FIL 4434C Capstone I 3 hrs
Upper Level FIL Elective 3 hrs
Upper Level FIL Elective 3 hrs
Upper Level FIL Elective 3 hrs

Senior Year - Spring 12 hrs
FIL 4573C Capstone II 3 hrs
Upper Level FIL Elective 3 hrs
Upper Level FIL Elective 3 hrs
Upper Level FIL Elective 3 hrs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Film - Cinema Studies Track (B.A.)
College of Arts and Humanities
School of Visual Arts and Design, Nicholson School of Communication, Room: 121
http://svad.cah.ucf.edu/
Email: svadadvising@ucf.edu
Phone: 407-823-2676

Admission Requirements

- None

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students are required to maintain an overall average of “C” (2.0) or better in major courses.
- Film production/directing classes are not open to Cinema Studies majors.
- Cinema Studies Track is not an entrance into the BFA Film Program.
- Internship credit can be used in this major.
- Students must consult with an academic advisor each semester.
- Departmental Residency Requirement consists of at least 45 semester hours of credits from courses taken from the UCF Film Department.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)

1. Cultural & Historical Foundations
- Prefer FIL 2030 History of Motion Pictures 3 hrs
- Prefer one course from B.1 list 3 hrs
- Prefer one course from B.1 or B.2 list 3 hrs

C: Mathematical Foundations (6 hrs)
Math
- 1 Suggested MGF 1106 Finite Mathematics or 3 hrs
- Suggested MGF 1107 Explorations in Mathematics 3 hrs

1 You may substitute a higher level math with appropriate scores on the Math Placement Exam.

Statistics-Computers
- Select a course from GEP C.2 list 3 hrs

1 May substitute a higher level math.

D: Social Foundations (6 hrs)
E: Science Foundations (6 hrs)
2. Common Program Prerequisites (CPP) (3 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

- 1 FIL 2030 History of Motion Pictures 3 hrs
- 1 FIL 1007 Foundations of Story 3 hrs

3. Core Requirements: Basic Level (12 hrs)
- FIL 1008 Cinematic Expression/Aesthetics 3 hrs
- FIL 2107 Script Analysis 3 hrs
- FIL 2423 Foundations of Production 3 hrs
- DIG 2000 Introduction to Digital Media 3 hrs

4. Core Requirements: Advanced Level (36 hrs)
- FIL 3006 Art of the Cinema 3 hrs
- FIL 3462C Cinematic Expression 3 hrs
- FIL 3363C Film Documentary 3 hrs
- FIL 3036 Film History I 3 hrs
- FIL 3037 Film History II 3 hrs
- FIL 3051 Avant-Garde Cinema 3 hrs
- FIL 3803C Film Theory and Criticism I 3 hrs
- FIL 3804C Film Theory and Criticism II 3 hrs
- FIL 3845 World Cinema Traditions 3 hrs
- FIL 3826 American Cinema 3 hrs
- FIL 4661 The Film Producer 3 hrs

Select 1: 3 hrs
- FIL 3102 Writing for Film and TV or 3 hrs
- FIL 3115 Short Script I 3 hrs

5. Restricted Electives (9 hrs)
- Select three courses from the following upper level FIL courses:
  - A maximum of 6 hours Independent Study and/or internship credit may be used

- FIL 3850 Cinema Directors 3 hrs
- FIL 3880C Images of Women in Film 3 hrs
- FIL 3831 Black Cinema 3 hrs
- FIL 3841 French New Wave Cinema 3 hrs
- FIL 3041 History of Animated Films I 3 hrs
- FIL 3824 Italian Neo-Realist Cinema 3 hrs
- FIL 3842 International Cinema 3 hrs
- FIL 3820 Italian Film 3 hrs
- FIL 3822 French Film 3 hrs
- FIL 3823 German Film 3 hrs
- FIL 3871 The American Film Artist 3 hrs
- FIL 4436 Film Theory/Film Production 3 hrs
- FIL 4096 Directed Independent Study 3 hrs
- DIG 4855 Converging Media Capstone 3 hrs
- DIG 4704 Interactive Entertainment 3 hrs
- FIL 3847 Latin American Cinema 3 hrs
- FIL 3512 Film and Internet Business 3 hrs
- FIL 3852 Cinema Criticism/Writing 3 hrs

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Met by graduation requirement.

Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- Must be taken outside the Film Department. (18 hrs min)

11. Departmental Exit Requirements
- A student must maintain an overall average of “C” (2.0) or better in major courses.
- Computer competency met by one of the following:
  - CGS 1060C Introduction to Computers 3 hrs
  - STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
  - FIL 1008 Cinematic Expression/Aesthetics 3 hrs

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Art
- Music
- Theatre
- Radio - Television
- English - Creative Writing
- Film
- Film - World Cinema Track

Certificates
- None

Related Minors
- Music
- Theatre
- Art - Studio
- English - Creative Writing

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

Advising Notes
- None

Transfer Notes
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Common Program Prerequisites
- FIL 2030 may substitute for FIL 1000, but FIL 2030 is a prerequisite for subsequent Film courses and still must be taken
- FIL 1007 may use any introductory film writing course.
- However, FIL 1007 is a prerequisite for all major courses and must be taken

Plan of Study
- A minor is required. This Plan of Study includes 18 credit hours for a minor. Please check the requirements for a desired minor as more coursework may be required.

Freshman Year - Fall
- 13 hrs
  - ENC 1101 Composition I 3 hrs
  - FIL 2030 History of Motion Pictures 3 hrs
  - Foreign Language Elementary Level I 4 hrs
  - GEP 3 hrs

Freshman Year - Spring
- 13 hrs
  - ENC 1102 Composition II 3 hrs
  - FIL 1007 Foundations of Story 3 hrs
  - Foreign Language Elementary Level II 4 hrs
  - GEP 3 hrs

Freshman Year - Summer
- 9 hrs
  - GEP 3 hrs
  - GEP 3 hrs
  - GEP 3 hrs

Sophomore Year - Fall
- 15 hrs
  - FIL 2107 Script Analysis 3 hrs
  - FIL 3006 Art of the Cinema 3 hrs
  - FIL 1008 Cinematic Expression/Aesthetics 3 hrs
  - GEP 3 hrs
  - GEP 3 hrs
## UCF Degree Programs

### Senior Year - Spring 15 hrs
- DIG 2000 Introduction to Digital Media 3 hrs
- FIL 2423 Foundations of Production 3 hrs
- FIL 3102 Writing for Film and TV 3 hrs
- GEP 3 hrs
- GEP 3 hrs

### Senior Year - Fall 15 hrs
- FIL 3363C Film Documentary 3 hrs
- FIL 3803C Film Theory and Criticism I 3 hrs
- FIL 3036 Film History I 3 hrs
- FIL XXX - Elective 3 hrs
- Minor 3 hrs

### Junior Year - Spring 15 hrs
- FIL 3037 Film History II 3 hrs
- FIL 3462C Cinematic Expression 3 hrs
- FIL 3804C Film Theory and Criticism II 3 hrs
- FIL 4661 The Film Producer 3 hrs
- Minor 3 hrs

### Junior Year - Fall 15 hrs
- FIL 3826 American Cinema 3 hrs
- FIL 3845 World Cinema Traditions 3 hrs
- FIL XXX - Elective 3 hrs
- Minor 3 hrs

### Sophomore Year - Spring 12 hrs
- FIL 3051 Avant-Garde Cinema 3 hrs
- FIL XXX - Elective 3 hrs
- Minor 3 hrs
- Minor 3 hrs

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/aic/academic_learning_compacts.htm

### Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

### Finance (B.S.B.A.)

#### College of Business Administration

Department of Finance,
Business Administration I, Room: 409
http://business.ucf.edu/undergraduate-programs
Phone: 407-823-3575

The study of finance prepares students for careers in corporate finance, investments, banking, and real estate. Not eligible for a double degree with another College of Business Administration major.

#### Admission Requirements
- Completion of the UCF General Education program and Gordon Rule, or an AA degree from a Florida College System or State University System institution, and completion of each Common Program Prerequisite course with a “C” (2.0) or better.
- Completion of the following courses at UCF or at an AACSB accredited institution: ECO 3411, MAR 3023, FIN 3403, MAN 3025, and ACG 3173, with a GPA of at least 3.0, a grade of at least “B” (3.0) in FIN 3403, at least a “B” (3.0) in ACG 3173 OR at least a “C” (2.0) in ACG 3131. One course may be repeated one time in the next term of enrollment to meet these requirements.
- See Common Program Prerequisites
- A student’s academic catalog year guarantees their graduation requirements, but not their admission requirements. All pre-majors are held to the current admission standards. This applies to both native and transfer students.

### Degree Requirements
- Students who change their degree programs and select this major must adopt the most current catalog.
- Students wanting to major in Finance must apply for admission to the major.
- Any student receiving a business degree must complete a minimum of 30 of the 58 upper level business hours for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student major.
- For students seeking a double major within the College of Business, a maximum of 6 hours of Required Courses for the Major or Restricted Electives may count towards another business major.
- A maximum of 6 hours of Core Requirements or Restricted Electives may count towards another degree program or minor.
- Students in the Finance major must maintain a 2.75 or higher cumulative Grade Point Average in all 3000 level or higher Finance courses taken at UCF and a 2.0 or higher cumulative GPA in all College of Business courses taken at UCF. Failure to maintain the required GPAs will result in the student being placed on Lack of Progress in the major and/or College. If a student on Lack of Progress fails to achieve the minimum required GPA in the subsequent term of enrollment, the student will be dismissed from the Finance major and/or College of Business. A student who is dismissed may seek consideration for readmittance into the College or major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving the required GPA. Readmission is not automatic or guaranteed and is an exception to College policy as rarely granted.
- Students must earn a “B” (3.0) or higher in FIN 3403 and ACG 3173 (or a “C” (2.0) or higher in ACG 3131). In addition, only grades of “C” (2.0) or higher transfer into the program and students must earn a minimum of “C” (2.0) or higher in all business courses. This includes all courses under requirements 2, 3, 4, 5 and 6 below.

#### 1. UCF General Education Program (GEP)

<table>
<thead>
<tr>
<th>A: Communication Foundations</th>
<th>(9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prefer SPC 1608 Fundamentals of Oral Communication</td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>B: Cultural &amp; Historical Foundations</th>
<th>(9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required CGS 2100C Computer Fundamentals for Business</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>C: Mathematical Foundations</th>
<th>(6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required MAC 1105C College Algebra</td>
<td>3 hrs</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>D: Social Foundations</th>
<th>(6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select 1:</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Prefer ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>E: Science Foundations</th>
<th>(6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2. Common Program Prerequisites (CPP) (18 hrs)</td>
<td></td>
</tr>
<tr>
<td>Must be completed with a “C” (2.0) or better.</td>
<td></td>
</tr>
<tr>
<td>ACG 2021 Principles of Financial Accounting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ACG 2071 Principles of Managerial Accounting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CGS 2100C Computer Fundamentals for Business</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 2013 Principles of Macroeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 2023 Principles of Microeconomics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Select one of the following sequences of courses:
- Students who have not completed MAC 2233 and STA 2023 with a “C” (2.0) or better must take ECO 3401.

| ECO 3401 Quantitative Business Tools I | 3 hrs |
UCF Degree Programs

3. Core Requirements: Basic Level
   - None

4. Core Requirements: Advanced Level (40 hrs)
   Primary Core
   - 15 hrs
   - ACG 3173 Accounting for Decision-Makers 3 hrs
   - ECO 3411 Quantitative Business Tools II 3 hrs
   - FIN 3403 Business Finance 3 hrs
   - MAN 3025 Management of Organizations 3 hrs
   - MAR 3923 Marketing 3 hrs

Secondary Core
   - 13 hrs
   - GEB 3003 Career Research & Planning 1 hr
   - GEB 3005 Career Search Strategy 1 hr
   - BUL 3130 Legal and Ethical Environment of Business 3 hrs
   - GEB 3375 Introduction to International Business 3 hrs
   - MAR 3203 Supply Chain and Operations Management 3 hrs
   - GEB 4223 Business Interviewing Techniques 1 hr
   - GEB 4004 Executing Your Career Plan 1 hr

Required Courses for Major
   - 12 hrs
   - FIN 3414 Intermediate Corporate Finance 3 hrs
   - FIN 4243 Debt and Money Markets 3 hrs
   - FIN 4304 Equity and Capital Markets 3 hrs
   - FIN 4424 Advanced Topics in Financial Management 3 hrs

5. Restricted Electives (15 hrs)
   Finance Electives
   - 6 hrs

   Select 2:
   - FIN 3461 Financial Statement Analysis 3 hrs
   - FIN 4324 Commercial Bank Management 3 hrs
   - FIN 4453 Financial Models 3 hrs
   - FIN 4514 Portfolio Analysis and Management 3 hrs
   - FIN 4533 Financial Derivatives 3 hrs
   - FIN 4604 International Financial Management 3 hrs

   Finance Restricted Electives
   - 6 hrs

   Select two below or an additional two courses from the Finance Electives above:
   - ACG 3141 Intermediate Financial Accounting II 3 hrs
   - ECO 4412 Econometrics 3 hrs
   - ECO 3101 Intermediate Microeconomics 3 hrs
   - ECO 3203 Intermediate Macroeconomics 3 hrs
   - FIN 4906 Directed Independent Study 3 hrs
   - FIN 4941 Finance Internship 3 hrs
   - FIN 4903H Honors Directed Reading I 3 hrs
   - GEB 4374 International Negotiations and Transactions 3 hrs
   - MAR 3391 Professional Selling 3 hrs
   - REE 4203 Commercial Real Estate Finance 3 hrs
   - REE 4303 Real Estate Investment Analysis 3 hrs

   1 Must be an accounting major or accounting minor to register for this course
   2 Internship course requires an overall GPA of 2.75 and a 3.0 GPA in the major.
   3 Must be in the UCF Honors in the Major Program. See http://www.honors.ucf.edu for details.

6. Capstone Requirements (3 hrs)
   - Admitted to a Business major, senior standing, and completion of MAN 3025, MAR 3023, FIN 3403, ECO 3411, and ACG 3173 or ACG 3131 are required to register for MAN 4720.
   - MAN 4720 Strategic Management 3 hrs

7. Foreign Language Requirements

Admissions

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation

Graduation

- None

8. Electives

- Variable

9. Additional Requirements

- None
UCF Degree Programs

Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.

Any student receiving a business degree must complete a minimum of 30 of the 58 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- General electives as required to earn 120 semester hours. The department recommends completing FIN 2100 (Personal Finance) as a general elective, prior to the junior year.

Freshman Year - Fall 15 hrs
- ENC 1101 Composition I 3 hrs
- MAC 1105C College Algebra 3 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs
- Cultural Foundation I 3 hrs
- Elective 3 hrs

Freshman Year - Spring 15 hrs
- ENC 1102 Composition II 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs
- Social Foundation 3 hrs
- Elective 3 hrs
- Elective 3 hrs

Sophomore Year - Fall 15 hrs
- ACG 2021 Principles of Financial Accounting 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- Science 3 hrs
- Historical Foundation I 3 hrs
- Elective 3 hrs

Sophomore Year - Spring 15 hrs
- ACG 2071 Principles of Managerial Accounting 3 hrs
- ECO 3401 Quantitative Business Tools I 3 hrs
- GGS 2100C Computer Fundamentals for Business 3 hrs
- Historical Foundation II 3 hrs
- Science 3 hrs

Junior Year - Fall 16 hrs
- ACG 3173 Accounting for Decision-Makers 3 hrs
- ECO 3411 Quantitative Business Tools II 3 hrs
- MAN 3025 Management of Organizations 3 hrs
- MAR 3023 Marketing 3 hrs
- FIN 3403 Business Finance 3 hrs
- GEB 3005 Career Search Strategy 1 hr

Junior Year - Spring 15 hrs
- GEB 3375 Introduction to International Business 3 hrs
- FIN 3414 Intermediate Corporate Finance 3 hrs
- FIN 4243 Debt and Money Markets 3 hrs
- GEB 3003 Career Research & Planning 1 hr
- Business Elective 3 hrs
- Elective 2 hrs

Senior Year - Fall 16 hrs
- BUL 3130 Legal and Ethical Environment of Business 3 hrs
- MAR 3203 Supply Chain and Operations Management 3 hrs
- FIN 4504 Equity and Capital Markets 3 hrs
- GEB 4223 Business Interviewing Techniques 1 hr
- FIN Elective 3 hrs
- FIN Restricted Elective 3 hrs

Senior Year - Spring 14 hrs
- FIN 4424 Advanced Topics in Financial Management 3 hrs
- MAN 4720 Strategic Management 3 hrs
- GEB 4004 Executing Your Career Plan 1 hr
- FIN Elective 3 hrs
- FIN Restricted Elective 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $25 per term
- Full-Time Student: $50 per term

Forensic Science - Analysis Track (B.S.)

College of Sciences
Department of Chemistry,
Physical Sciences Building, Room: 255
http://chemistry.cos.ucf.edu/
Email: chemstaff@ucf.edu

Dr. Tamra Legron-Rodriguez, tamra.legron-rodriguez@ucf.edu
Phone: 407-823-1167

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Chemistry
- Co-op credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Students must complete categories 2 (Common Program Prerequisites) and 3 (Core Requirements: Basic Level) below and achieve a minimum 2.5 cumulative GPA in categories 2 and 3 prior to enrolling in the courses described in categories 4 and 5.
- Students must maintain a minimum 2.5 cumulative GPA in categories 4 and 5 to continue in the major.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (39 hrs)
- Note: Certain courses must be selected in the GEP for this major, which brings the GEP hours above 36

A: Communication Foundations (9 hrs)
- Prefer SPC 1603C Fundamentals of Technical Presentations

Required
- ENC 1101 Composition I 3 hrs
- ENC 1102 Composition II 3 hrs
- ENC 1103 Composition III 3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (7 hrs)
- Required MAC 2311C Calculus with Analytic Geometry I 4 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (8 hrs)
- Required PHY 2048C General Physics Using Calculus I 4 hrs

2. Common Program Prerequisites (CPP) (16 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

BSC 2010C Biology I GEP

Select one of the following sequences of courses:
- CHM 2045C Chemistry Fundamentals I 4 hrs
- or
- CHM 2040 Chemistry Fundamentals I A and B 3 hrs
- CHM 2041 Chemistry Fundamentals IB 3 hrs

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Take all of the following:

- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- MAC 2311C Calculus with Analytic Geometry I GEP
- MAC 2312 Calculus with Analytic Geometry II GEP
- PHY 2048C General Physics Using Calculus I GEP
- PHY 2049C General Physics Using Calculus II GEP

3. Core Requirements: Basic Level (18 hrs)
   - All courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.
   - Basic Core: Required, satisfies the CPP
     - CHM 2045C Chemistry Fundamentals I CPP
     - CHM 2040 Chemistry Fundamentals IA and CPP
     - CHM 2041 Chemistry Fundamentals IB CPP
   - Basic Core: Additional Requirements 18 hrs
     - CHM 2210 Organic Chemistry I and 3 hrs
     - CHM 2211 Organic Chemistry II and 3 hrs
     - CHM 2211L Organic Laboratory Techniques I and 2 hrs
     - CHM 3120 Analytical Chemistry and 3 hrs
     - CHM 3120L Analytical Chemistry Laboratory and 1 hr
     - STA 2023 Statistical Methods I and GEP
     - PCB 3063 Genetics and 3 hrs
     - PCB 3233 Immunology 3 hrs

4. Core Requirements: Advanced Level (34 hrs)
   - A. Forensic Science Core: 18 hrs
     - GHS 3501 Introduction to Forensic Science 3 hrs
     - GHS 3505C Forensic Microscopy 4 hrs
     - GHS 3533 Forensic Biochemistry I 2 hrs
     - GHS 3595 Forensic Science in the Courtroom 3 hrs
     - GHS 4537 Forensic Laboratory Quality Assurance 2 hrs
     - GHS 4591 Forensic Science Internship 4 hrs
   - B. Forensic Analysis Track: 16 hrs
     - CHM 3422 Applied Physical Chemistry 3 hrs
     - CHM 4130 Advanced Analytical Laboratory Technique 3 hrs
     - CHM 4130L Advanced Analytical Chemistry Laboratory 2 hrs
     - CHS 3511C Trace Evidence 4 hrs
     - CHS 3530C Forensic Analysis of Controlled Substances 4 hrs

5. Restricted Electives (12 hrs)
   - Select from the following:
     - Note: Substitutions require prior approval by the Forensic Program advisor.
     - ANT 4521 Forensic Anthropology 3 hrs
     - BCH 4053 Biochemistry I 3 hrs
     - CHM 3215L Organic Laboratory Techniques II 2 hrs
     - CHM 4912 Directed Independent Research 3 hrs
     - CHS 4506C Forensic Investigation Technology 3 hrs
     - CHS 4515C Forensic Crime Scene Investigation 4 hrs
     - PCB 3063L Genetics Laboratory 1 hr
     - PCB 3233L Immunology Laboratory 1 hr
     - CHS 3533L Forensic Biochemistry I Laboratory 1 hr
     - CHS 4534C Forensic Biochemistry II Laboratory 3 hrs

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   - Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

Graduation
   - None

8. Electives
   - Select primarily from upper level courses after consulting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - Earn a grade of “C” (2.0) or better in each course used to satisfy categories 2, 3, 4, and 5 of the degree requirements.
    - Students must maintain a cumulative GPA of 2.5 in all courses taken to meet Common Program Prerequisites and Core Requirements: Basic Level.
    - Students must maintain a cumulative GPA of 2.5 in all course taken to meet Core Requirements: Advanced Level and Restricted Electives.
    - All attempts of courses taken that could meet major requirements are included in the GPA calculation. Additional courses that could meet requirements but are taken beyond the minimum required (e.g., additional restricted electives) and a “C” (2.0) or better is earned are also included in both GPA calculations.
    - The last 30 credit hours of regularly scheduled courses that satisfy degree requirements must be taken in Residence at UCF.

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF.
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
   - 124

Honors In Major
   - None

Related Programs
   - Chemistry
   - Forensic Science - Biochemistry Track

Certificates
   - Behavioral Forensics
   - Crime Scene Investigation

Related Minors
   - Chemistry

Advising Notes
   - None

Transfer Notes
   - Lower division courses do not substitute for upper division courses.
   - Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
   - CHM 2045C: may use CHM X040 plus CHM X041.
   - Calculus: Although other math courses may satisfy the CPP, the specified courses are required in the major and still must be taken.
   - Physics: Although CPP requirements permit substitution by Organic Chemistry, all the specified courses are required for graduation and still must be taken.

Plan of Study
   - One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
   - Before registering for Chemistry, take Chemistry Placement Test at http://knightsource.sdes.ucf.edu/placement
   - Before registering for Math, take Math Placement Test at http://utc.sdes.ucf.edu
UCF Degree Programs

Because of the rigorous nature of these classes, students should plan on utilizing summer terms. In addition, you may be required to complete 9 hours during the Summer. Consult with an advisor to determine if you are exempt.

This plan assumes you need to begin with the two semester chemistry course and pre-calculus. Having to start at a lower math class will increase the hours needed to be taken.

Freshman Year - Fall 12 hrs
CHM 2040 Chemistry Fundamentals IA 3 hrs
CHS 3501 Introduction to Forensic Science 3 hrs
MAC 1140C Pre-Calculus Algebra 3 hrs
ENC 1101 Composition I 3 hrs

Freshman Year - Spring 14 hrs
CHM 2041 Chemistry Fundamentals IB 3 hrs
BSC 2010C Biology I 4 hrs
MAC 2311C Calculus with Analytic Geometry I 4 hrs
ENC 1102 Composition II 3 hrs

Freshman Year - Summer 4 hrs
CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory 1 hr

Sophomore Year - Fall 15 hrs
CHM 2210 Organic Chemistry I 3 hrs
PHY 2048C General Physics Using Calculus I 4 hrs
STA 2023 Statistical Methods I 3 hrs
MAC 2312 Calculus with Analytic Geometry II 4 hrs

Sophomore Year - Spring 15 hrs
CHM 2211 Organic Chemistry II 3 hrs
CHM 2211L Organic Laboratory Techniques I 2 hrs
PHY 2049C General Physics Using Calculus II 4 hrs
Restricted Elective 3 hrs
GEP 3 hrs

Junior Year - Fall 15 hrs
CHS 3505C Forensic Microscopy 4 hrs
CHM 3120 Analytical Chemistry 3 hrs
CHM 3120L Analytical Chemistry Laboratory 1 hr
PCB 3233 Immunology 3 hrs
Restricted Elective 1 hr
GEP 3 hrs

Junior Year - Spring 13 hrs
CHS 4515C Forensic Crime Scene Investigation 4 hrs
Restricted Elective 3 hrs

Senior Year - Fall 13 hrs
CHS 3533 Forensic Biochemistry I 2 hrs
CHM 3422 Applied Physical Chemistry 3 hrs
GEP 3 hrs

Senior Year - Spring 14 hrs
CHM 4130 Advanced Analytical Laboratory Technique 3 hrs
CHM 4130L Advanced Analytical Chemistry Laboratory 2 hrs
SPC 1603C Fundamentals of Technical Presentations 3 hrs
GEP 3 hrs
GEP 3 hrs

Senior Year - Summer 4 hrs
CHS 4591 Forensic Science Internship 4 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oetas.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Forensic Science - Biochemistry Track (B.S.)
College of Sciences
Department of Chemistry,
Physical Sciences Building, Room: 255
http://chemistry.cos.ucf.edu/
Email: chemstaff@ucf.edu
Dr. Tamra Legron-Rodriguez, tamra.legron-rodriguez@ucf.edu
Phone: 407-823-1167

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Chemistry.
- Co-op credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Students must complete categories 2 (Common Program Prerequisites) and 3 (Core Requirements: Basic Level) below and achieve a minimum 2.5 cumulative GPA in categories 2 and 3 prior to enrolling in the courses described in categories 4 and 5.
- Students must maintain a minimum 2.5 cumulative GPA in categories 4 and 5 to continue in the major.
- Individual course prerequisites for enrollment in courses within the College of Sciences will be enforced.
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (39 hrs)
- Certain courses must be selected in the GEP for this major, which brings the GEP hours above 36.

A: Communication Foundations (9 hrs)
- Prefer SPC 1603C Fundamentals of Technical Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs

C: Mathematical Foundations (7 hrs)
- Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
- Required STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)
- Required BSC 2010C Biology I 4 hrs
- Required PHY 2048C General Physics Using Calculus I 4 hrs

E: Science Foundations (8 hrs)
- Required BSC 2010C Biology I 4 hrs
- Required PHY 2048C General Physics Using Calculus I 4 hrs

2. Common Program Prerequisites (CPP) (16 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- BSC 2010C Biology I 4 hrs

Select one of the following sequences of courses:
- CHM 2045C Chemistry Fundamentals IA 4 hrs
- CHM 2041 Chemistry Fundamentals IB 3 hrs

Take all of the following:
- CHM 2046 Chemistry Fundamentals Laboratory I 1 hr
- MAC 2311C Calculus with Analytic Geometry II GEP
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- PHY 2048C General Physics Using Calculus I GEP
- PHY 2049C General Physics Using Calculus II 4 hrs
3. Core Requirements: Basic Level (20 hrs)
   - All courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.
   
   **Basic Core: Required, satisfies the CPP**
   
   **CHM 2045C** Chemistry Fundamentals I
   
   - or
   
   CHM 2040 Chemistry Fundamentals IA and
   
   - and
   
   CHM 2046 Chemistry Fundamentals II and
   
   CHM 2046L Chemistry Fundamentals Laboratory and
   
   BSC 2010C Biology I and
   
   MAC 2311C Calculus with Analytic Geometry I and
   
   MAC 2312 Calculus with Analytic Geometry II and
   
   PHY 2048C General Physics Using Calculus I and
   
   PHY 2048C General Physics Using Calculus II

   **Basic Core: Additional Requirements** 20 hrs
   
   CHM 2210 Organic Chemistry I and
   
   CHM 2211 Organic Chemistry II and
   
   CHM 2211L Organic Laboratory Techniques I and
   
   CHM 3120 Analytical Chemistry and
   
   CHM 3120L Analytical Chemistry Laboratory and
   
   STA 2023 Statistical Methods I and
   
   PCB 3063 Genetics and
   
   PCB 3063L Genetics Laboratory and
   
   PCB 3233 Immunology and
   
   PCB 3233L Immunology Laboratory

   **Core Requirements: Advanced Level** (45 hrs)

   **A. Forensic Science Core** 18 hrs
   
   CHS 3501 Introduction to Forensic Science
   
   CHS 3505C Forensic Microscopy
   
   CHS 3533 Forensic Biochemistry I
   
   CHS 3595 Forensic Science in the Courtroom
   
   CHS 4537 Forensic Laboratory Quality Assurance
   
   CHS 4591 Forensic Science Internship

   **B. Forensic Biochemistry Track:** 27 hrs
   
   BCH 4053 Biochemistry I
   
   BCH 4054 Biochemistry II
   
   BCH 4103L Biochemical Methods
   
   BSC 3402C Quantitative Biological Methods
   
   CHS 4534C Forensic Biochemistry II
   
   CHS 3533L Forensic Biochemistry I Laboratory
   
   MCB 3020C General Microbiology
   
   PCB 3522 Molecular Biology I
   
   PCB 4524 Molecular Biology II

   **5. Restricted Electives** (3 hrs)

   Any course approved by the Forensic Program advisor.

   **6. Capstone Requirements**
   
   - None

   **7. Foreign Language Requirements**

   - Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

   **Graduation**
   
   - None

   **8. Electives**

   - Select primarily from upper level courses after consulting with a departmental advisor. Courses may be outside the department.

   **9. Additional Requirements**
   
   - None

   **10. Required Minors**
   
   - None

   **11. Departmental Exit Requirements**

   - Earn a grade of “C” (2.0) or better in each course used to satisfy categories 2, 3, 4, and 5 of the degree requirements.

   - Students must maintain a cumulative GPA of 2.5 in all courses taken to meet Common Program Prerequisites and Core Requirements: Basic Level.

   - Students must maintain a cumulative GPA of 2.5 in all course taken to meet Core Requirements: Advanced Level and Restricted Electives.

   - All attempts of courses taken that could meet major requirements are included in the GPA calculation. Additional courses that could meet requirements but are taken beyond the minimum required (e.g., additional restricted electives and a “C” (2.0) or better are earned are also included in both GPA calculations.

   - The last 30 credit hours of regularly scheduled courses that satisfy degree requirements must be taken in residency at UCF.

   **12. University Minimum Exit Requirements**

   - A 2.0 UCF GPA
   
   - 60 semester hours earned after CLEP awarded
   
   - 48 semester hours of upper division credit completed
   
   - 30 of the last 39 hours of course work must be completed in residency at UCF.

   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

   - Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

   **Total Semester Hours Required**

   - 124

   **Honors In Major**

   - None

   **Related Programs**

   - Chemistry
   
   - Forensic Science - Analysis Track
   
   - Biomedical Sciences

   **Certificates**

   - None

   **Related Minors**

   - Chemistry
   
   - Biomedical Sciences

   **Advising Notes**

   - None

   **Transfer Notes**

   - Lower division courses do not substitute for upper division courses.

   - Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

   **Acceptable Substitutes for Transfer Courses**

   - CHM 2045C: may use CHM X040 plus CHM X041.

   **Advising Notes**

   - None

   **Transfer Notes**

   - Lower division courses do not substitute for upper division courses.

   - Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

   **Acceptable Substitutes for Transfer Courses**

   - CHM 2045C: may use CHM X040 plus CHM X041.

   - Calculus: Although other math classes satisfy the CPP, the specified courses are required in the major and still must be taken.

   - Physics: Although CPP requirements permit substitution by Organic Chemistry, all the specified courses are required for graduation and still must be taken.

   - Plan of Study

   - One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

   - Before registering for Chemistry, take Chemistry Placement Test ~ http://knightsource.sdes.ucf.edu/ placement

   - Before registering for Math, take Math Placement Test ~ http://utc.sdes.ucf.edu

   - This plan assumes you need to begin with the two semester chemistry course and pre-calculus. Having to start at a lower math class will increase the hours needed to be taken.

   **Freshman Year - Fall** 16 hrs

   CHM 2040 Chemistry Fundamentals IA
   
   CHS 3501 Introduction to Forensic Science
   
   BSC 2010C Biology I
   
   MAC 1140C Pre-Calculus Algebra
   
   ENC 1101 Composition I
UCF Degree Programs

Freshman Year - Spring 16 hrs
CHS 3501 Introduction to Forensic Science 3 hrs
CHM 2041 Chemistry Fundamentals IB 3 hrs
MAC 2311C Calculus with Analytic Geometry I 4 hrs
STA 2023 Statistical Methods I 3 hrs
ENC 1102 Composition II 3 hrs
GEP 3 hrs

Freshman Year - Summer 4 hrs
CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory 1 hr
Lab may be taken in a later term if seats are not available.

Sophomore Year - Fall 14 hrs
CHM 2210 Organic Chemistry I 3 hrs
PHY 2048C General Physics Using Calculus I 4 hrs
MAC 2312 Calculus with Analytic Geometry II 4 hrs
SPC 1603C Fundamentals of Technical Presentations 3 hrs

Sophomore Year - Spring 13 hrs
CHM 2211 Organic Chemistry II 3 hrs
CHM 2211L Organic Laboratory Techniques I 2 hrs
Lab may be taken in a later term if seats are not available.
MCB 3020C General Microbiology 5 hrs
GEP 3 hrs

Sophomore Year - Summer 4 hrs
PHY 2049C General Physics Using Calculus II 4 hrs

Junior Year - Fall 14 hrs
CHS 3505C Forensic Microscopy 4 hrs
PCB 3233 Immunology 3 hrs
PCB 3233L Immunology Laboratory 1 hr
GEP 3 hrs
GEP 3 hrs

Junior Year - Spring 14 hrs
CHS 3595 Forensic Science in the Courtroom 3 hrs
CHS 4537 Forensic Laboratory Quality Assurance 2 hrs
CHM 3120 Analytical Chemistry 3 hrs
CHM 3120L Analytical Chemistry Laboratory 1 hr
PCB 3063 Genetics 3 hrs
PCB 3063L Genetics Laboratory 1 hr

Senior Year - Fall 16 hrs
CHS 3533 Forensic Biochemistry I 2 hrs
CHS 3533L Forensic Biochemistry I Laboratory 1 hr
BCH 4053 Biochemistry I 3 hrs
PCB 3522 Molecular Biology I 3 hrs
BSC 3403C Quantitative Biological Methods 4 hrs
GEP 3 hrs

Senior Year - Spring 14 hrs
CHS 4534C Forensic Biochemistry II 3 hrs
BCH 4054 Biochemistry II 3 hrs
BCH 4103L Biochemical Methods 2 hrs
PCB 4524 Molecular Biology II 3 hrs
Restricted Elective

Senior Year - Summer 4 hrs
CHS 4591 Forensic Science Internship 4 hrs

Program Academic Learning Compacts
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.o eas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
Part-Time Student: $45 per term
Full-Time Student: $90 per term

French (B.A.)
College of Arts and Humanities
Department of Modern Languages and Literatures, Colbourn Hall, Room: 521.
http://mlc.ah.ucf.edu/
Dr. Charlotte Trinquet, ctrinque@ucf.edu

Placement in Modern Language courses is based on one year of high school language being equivalent to one semester of college work. For example, four years of high school French may place the student in the first semester of the third year. Native speakers, or students who have received advanced education in French-speaking societies, may not take lower division French courses. They must also substitute other upper division level courses for FRE 3420, FRE 4422, FRE 3760, and FRE 4421.

Admission Requirements
None

Degree Requirements
Students who change degree programs and select this major must adopt the most current catalog.
36 credits in French must be taken at the 3000 level or above.
At least six of the 36 French credits must be at the 4000 level.
At least 30 hours must be taken in Modern Language courses taught in French.
Earn at least a “C” (2.0) in each upper division French course.

Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Modern Languages and Literatures.

Language credit by exam will not be given in courses lower in level than those in which students are presently enrolled. Native speakers will be allowed Credit by Examination in literature courses only.
Co-op or internship credit cannot be used in this major.
Students must see their advisor to obtain proper counseling and have their schedule approved before registering for courses in their major.
Courses designated in 1 (Gen Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (6 hrs)

Math (6 hrs)
Suggested MGF 1106 Finite Mathematics or 3 hrs
Suggested MGF 1107 Explorations in Mathematics 3 hrs

Statistics - Computers (3 hrs)
Select a course from GEP C.2 list 3 hrs

D: Social Foundations (6 hrs)
E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (14 hrs)
See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
1 FRE 1120C Elementary French Language and Civilization I 4 hrs
1 FRE 1121C Elementary French Language and Civilization II 4 hrs
1 FRE 2200 Intermediate French Language and Civilization I 3 hrs
1 FRE 2201 Intermediate French Language and Civilization II 3 hrs

1 *May be met by proficiency test or completion of FRE 2201

3. Core Requirements: Basic Level (None)

4. Core Requirements: Advanced Level (21 hrs)
FRW 3100 Survey of French Literature I 3 hrs
1 FRE 3300 French Grammar 3 hrs
1 FRE 3420 French Composition 3 hrs
1 FRE 3760 Advanced French Oral Communication 3 hrs
1 FRE 3780 French Phonetics and Diction 3 hrs

Select 1: 3 hrs
1 FRE 4421 Advanced French Conversation or 3 hrs
FRE 4422 Advanced French Composition 3 hrs
### UCF Degree Programs

**5. Restricted Electives (15 hrs)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td>FRW 3101 Survey of French Literature II or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FRW 3770 Francophone Literature</td>
<td>3 hrs</td>
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</table>

A native or near-native French speaker must substitute alternate upper division French courses in consultation with a departmental advisor.

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRW course beyond the survey level (taught in French)</td>
<td>6 hrs</td>
</tr>
</tbody>
</table>

Select any upper level FRE, FRT, or FRW courses not already used in the major.

**6. Capstone Requirements**

None

**7. Foreign Language Requirements**

Admissions

- Met by graduation requirements.

Graduation

- Met by Common Program Prerequisites

**8. Electives**

- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

**9. Additional Requirements**

- None

**10. Required Minors**

None

**11. Departmental Exit Requirements**

- Earn a grade of “C” (2.0) or higher in at least 36 hours of upper division French courses
- Students are required to satisfactorily complete a departmental exit exam, entirely in French. The exam is offered at the end of each October and March and students need the approval of their advisor to take the exam. Students should discuss the optimal test date with their advisor and the French Program Director. Students may take the French Exit Exam a maximum of two times. Exceptions must be approved by the student’s French advisor and by the French Program Director.
- Students must submit their portfolio (FRE 4950) to their French Faculty Advisor
- Computer Competency met by the following or equivalent:
  - CGS 1060C Introduction to Computers 3 hrs

**12. University Minimum Exit Requirements**

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

**Total Semester Hours Required**

- 120 Honors in Major

None

**Related Programs**

- Spanish

**Certificates**

None

**Related Minors**

- French
- Italian
- Judaic Studies
- Latin American Area Studies
- Spanish

**Advising Notes**

None

**Transfer Notes**

Lower division courses do not substitute for upper division courses.

Courses transferred from private and out-of-state schools must be evaluated by the department chair for equivalency credit. The student must provide all supporting information.

**Acceptable Substitutes for Transfer Courses**

- None

**Plan of Study**

**Freshman Year - Fall**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101 Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>WOH 2012 World Civilization I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MGF 1107 Explorations in Mathematics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FRE 1120C Elementary French Language and</td>
<td>4 hrs</td>
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<tr>
<td>Civilization I</td>
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</table>

**Freshman Year - Spring**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1102 Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>WOH 2022 World Civilization II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CGS 1060C Introduction to Computers</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FRE 1121C Elementary French Language and</td>
<td>4 hrs</td>
</tr>
<tr>
<td>Civilization II</td>
<td></td>
</tr>
</tbody>
</table>

**Freshman Year - Summer**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRE 2270 Intermediate French Study Abroad</td>
<td>8 hrs</td>
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</tbody>
</table>

**Sophomore Year - Fall**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRT 2200 Intermediate French Language and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Civilization I</td>
<td></td>
</tr>
<tr>
<td>Social Foundation (Group 1)</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Science Foundation (Group 2)</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Select 1:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPC 1608 Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPC 1603C Fundamentals of Technical Presentations</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Sophomore Year - Spring**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>LIT 2120 World Literature II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FRE 2201 Intermediate French Language and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Civilization II</td>
<td></td>
</tr>
<tr>
<td>Social Foundation (Group 2)</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Science Foundation (Group 2)</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Sophomore Year - Summer**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Study Abroad</td>
<td>6 hrs</td>
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</table>

**Junior Year - Fall**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRW 3100 Survey of French Literature I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FRT 4421 Advanced French Conversation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FRE 3300 French Grammar</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
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</tbody>
</table>

**Junior Year - Spring**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRE 3780 Advanced French Oral Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FRE 4422 Advanced French Composition</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FRE 3780 French Phonetics and Diction</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Select 1:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRW 3101 Survey of French Literature II or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FRW 3370 Francophone Literature</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Senior Year - Fall**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRE 3420 French Composition</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FRE 3440 Business French I</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Select 1:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRW 4552 Nineteenth Century French Literature or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FRW 3370 Short Stories of 18th, 19th and 20th Centuries</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Senior Year - Spring**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRW 3740 The French Literature of Canada</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FRT 4552 Structural Analysis of Beckett’s Watt</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FRE 3441 Business French II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Program Academic Learning Compacts**

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:  
http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm
Health Informatics and Information Management
(B.S.)
College of Health and Public Affairs
Department of Health Management and Informatics,
Health and Public Affairs II, Room: 210
http://www.cohpa.ucf.edu/hmi/bshim.cfm
Dr. Alice M. Noblin, alice.noblin@ucf.edu
Phone: 407-823-2353

Admission Requirements
- Separate application to the limited access program must be made directly to the program prior to March 1 for fall admission of the year admission is sought or October 1 for the following year spring admission.
- UCF application must also be submitted by the program deadline of March 1st for fall and October 1st for spring. Acceptance to UCF is necessary before acceptance to the program can occur.
- This limited access program is work-intensive and courses include clinical practice in a variety of settings. Due to this it is strongly recommended that students be at least one year post high school prior to applying to the program. Students with concerns or questions should contact the program to schedule an appointment with an advisor.
- Student must complete all general education, foreign language admissions, and program prerequisites prior to the start of the program.
- All applicants must have a minimum overall GPA of 2.5 and complete all program prerequisite courses with at least a grade of “C” (2.0)
- Acceptance to the university does not necessarily constitute admission to the upper division Health Informatics and Information Management program.

Degree Requirements
- Students who are pending Health Informatics and Information Management and are admitted to the program must adopt the most current catalog
- Students should complete the General Education Program, Foreign Language Admissions and the Common Program Prerequisites Requirements before transferring within the Florida College System or State University System.
- Students should consult with a departmental advisor
- The courses designated in sections 1 and 2 below may be taken at a Florida College System institution, and should be completed in the first 60 hours
- A minimum overall GPA of 2.5 and a minimum grade of “C” (2.0) in prerequisite and major courses is required for admission to, continuation in, and graduation from the Health Informatics and Information Management Program
- UCF Residency Requirement: 30 hours

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   Select 1: 3 hrs
      Required CGS 1060C Introduction to Computers or 3 hrs
      Required CGS 2100C Computer Fundamentals for Business 3 hrs
   D: Social Foundations (6 hrs)
   E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (17 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements: Basic Level
   - None

4. Core Requirements: Advanced Level (66 hrs)
   - HSA 3423 Health Law 3 hrs
   - HSA 3170 Health Care Finance 3 hrs
   - HSA 4109 Principles of Healthcare Reimbursement, Insurance, and Managed Care Plans 3 hrs
   - HSA 4191 Fundamentals of Health Information Technology 3 hrs
   - HSA 4702 Health Sciences Research Methods 3 hrs
   - HSC 3537 Medical Terminology 3 hrs
   - HSC 2524 Introduction to Human Disease 3 hrs
   - HIM 4624 Health Data Management 3 hrs
   - HIM 3006 Foundations of Health Information Management (HIM) 3 hrs
   - HIM 3116C Health Record Organization and Management 4 hrs
   - HIM 3806C Professional Practice Experience I 3 hrs
   - HIM 4816C Professional Practice Experience II 3 hrs
   - HIM 4226C Coding Procedures I 5 hrs
   - HIM 426C Coding Procedures II 3 hrs
   - HIM 4676 Professional Development and Issues in Health Information Management 3 hrs
   - HIM 4344C Health Information Department Management 4 hrs
   - HIM 4508C Quality Management 3 hrs
   - HIM 4656C Health Information Management Systems 3 hrs
   - HIM 4838 Management Affiliation 5 hrs

Select 1: 3 hrs
   - HSA 4180 Organization & Management for Health Agencies I or 3 hrs
   - MAN 3025 Management of Organizations 3 hrs

5. Restricted Electives
   - None

6. Capstone Requirements
   - None

7. Foreign Language Requirements

Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
   - None

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - A minimum 2.5 overall GPA is required for graduation.
    - Upon completion of the approved program, the student is eligible to submit an application for writing the national registration examination administered by the American Health Information Management Association to qualify as a Registered Health Information Administrator.

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF.
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Health Services Administration
- Business Administration
- Computer Science
## Plan of Study

### Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- CHM 1032 General Chemistry 3 hrs
- HSC 2000 Introduction to the Allied Health Professions 2 hrs
- MAC 1105C College Algebra 3 hrs
- GEP Social 3 hrs

### Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- STA 2014C Principles of Statistics 3 hrs
- BSC 2010C Biology I 4 hrs
- GEP Historical 3 hrs
- GEP Social 3 hrs

### Sophomore Year - Fall
- ZOO 3733C Human Anatomy 3 hrs
- CGS 2100C Computer Fundamentals for Business 3 hrs
- ACG 2021 Principles of Financial Accounting 3 hrs
- GEP Historical 3 hrs

### Sophomore Year - Spring
- ACG 2071 Principles of Managerial Accounting 3 hrs
- PCB 3703C Human Physiology 4 hrs
- GEP Communication 3 hrs
- GEP Cultural 3 hrs

### Junior Year - Fall
- 1 HSA 4191 Fundamentals of Health Information Technology 3 hrs
- HIM 3006 Foundations of Health Information Management (HIM) 3 hrs
- 1 HSC 3537 Medical Terminology 3 hrs
- HSC 2524 Introduction to Human Disease 3 hrs

### Select 1:
- 1 MAN 3025 Management of Organizations or 3 hrs
- HSA 4180 Organization & Management for Health Agencies I 3 hrs

1 The asterisked courses may be taken at any time during the two years. Certain HIIM courses are offered only during the semester in which they appear on this schedule and are restricted to majors only.

### Junior Year - Spring
- HIM 4226C Coding Procedures I 5 hrs
- HIM 3116C Health Record Organization and Management 4 hrs
- HIM 3806C Professional Practice Experience I 3 hrs
- HIM 4624C Health Data Management 3 hrs

### Junior Year - Summer
- HSA 4109 Principles of Healthcare Reimbursement, Insurance, and Managed Care Plans 3 hrs
- HSA 3423 Law 3 hrs

### Senior Year - Fall
- HIM 4344C Health Information Department Management 4 hrs
- HIM 4508C Quality Management 3 hrs
- HIM 4256C Coding Procedures II 3 hrs
- HIM 4656C Health Information Management Systems 3 hrs

### Senior Year - Spring
- HIM 4676 Professional Development and Issues in Health Information Management 3 hrs
- HIM 4816C Professional Practice Experience II 3 hrs
- 1 HSA 4702 Health Sciences Research Methods 3 hrs
- 1 HSA 3170 Health Care Finance 3 hrs
- 2 HIM 4998 Internship Orientation 0 hrs

1 The asterisked courses may be taken at any time during the two years. Certain HIIM courses are offered only during the semester in which they appear on this schedule and are restricted to majors only.

### Health Sciences - Pre-Clinical Track (B.S.)

#### College of Health and Public Affairs

**Department of Health Professions, Health and Public Affairs I, Room: 124**

http://www.cohpa.ucf.edu/health.pro/pre-clinical.shtml

Dr. Suha Saleh, psinfo@ucf.edu, 407-823-0946

The Bachelor of Science degree in Health Sciences Pre-Clinical Track is designed for students with interest in human health leading to graduate study or career advancement. This degree is designed to provide the students with a solid educational background in basic and health-related sciences, while providing the foundation courses required for admission to graduate level clinical programs in health professions including but not limited to medicine, pharmacy, physical therapy, physician assistant, and occupational therapy. The flexibility of this program allows students to prepare for multiple careers in health sciences. Students in this major are required to have an overall GPA of 2.5 is needed for the program, students should plan to maintain a higher GPA to be competitive for graduate programs in health professions. Most graduate programs such as medicine, physical therapy and physician assistant, require a GPA of at least 3.0.

### Admission Requirements

- None

#### Degree Requirements

- Students who change to Health Sciences Pre-Clinical Track must adopt the most current catalog.
- The courses designated in sections 1 and 2 below may be taken at a Florida College System institution, and should usually be completed in the first 60 hours.
- A minimum grade of “C” (2.0) in each program prerequisite course, in each core requirement course, and in each restricted elective is required (see sections 2 through 5 below). Students should note that graduate programs may require a higher level of performance for admission.
- Students must achieve at least 2.5 overall GPA for graduation.
- No transfer course will be accepted with a grade lower than a “C.”

1. UCF General Education Program (GEP) (38 hrs)
   - A: Communication Foundations (9 hrs)
   - B: Cultural & Historical Foundations (9 hrs)
   - C: Mathematical Foundations (6 hrs)
     - Required MAC 1105C College Algebra 3 hrs
     - STA 2023 Statistical Methods I 3 hrs

1 Required

1 Students must earn appropriate score on placement exam prior to enrolling in these classes.

#### D: Social Foundations (6 hrs)

- Required PSY 2012 General Psychology 3 hrs

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UCF Degree Programs

E: Science Foundations (8 hrs)
- Required BSC 2010C Biology I 4 hrs
- Required PHY 2053C College Physics I 4 hrs

2. Common Program Prerequisites (CPP) (3 hrs)
- MAC 1114C College Trigonometry 3 hrs
- BSC 2010C Biology I GEP
- PSY 2012 General Psychology GEP
- STA 2023 Statistical Methods I GEP

3. Core Requirements: Basic Level (20 hrs)
- CHM 2045C Chemistry Fundamentals I 4 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- DEP 2004 Developmental Psychology 1 hr
- HUN 2201 Fundamentals of Human Nutrition 3 hrs
- PHY 2053C College Physics I GEP
- PHY 2054C College Physics II 4 hrs

Select 1: 3 hrs
- HSC 2000 Introduction to the Allied Health Professions or Professional Development in Health Professions 2 hrs
- HSC 4008 Professional Development in Health 3 hrs

1. Students must earn appropriate score on placement exam prior to enrolling in these classes.
2. For freshman and sophomore students. The upper level HSC 4008 (3 hrs) can be used as a substitution as needed during the junior or senior years.

4. Core Requirements: Advanced Level (29 hrs)
- HSC 3147 Introduction to Pharmacology 3 hrs
- HSC 3211 Preventive Health Care 3 hrs
- HSC 4555 Pathophysiology I 3 hrs
- HSC 4562 Health Law and Ethics 3 hrs
- HSC 4558 Pathophysiology II 3 hrs
- HSC 4501 Epidemiology of Chronic Diseases 3 hrs
- PCB 3703C Human Physiology 4 hrs
- ZOO 3733C Human Anatomy 4 hrs

Select 1 3 hrs
- HSC 4730 Applied Health Research Methodology 3 hrs
- HSA 4702 Health Sciences Research Methods 3 hrs

5. Restricted Electives (30 hrs)
- Some courses below may have additional prerequisite courses required. Course selection should be in consultation with an advisor and may vary by student depending on individual needs and objectives. Laboratory courses are required with selection of certain science classes.
- Students must meet restricted elective credit hour requirements and UCF upper division credit hour requirements. These are suggested electives based on disciplines, but it is the student’s responsibility to check with graduate programs to meet prerequisites.
- Students are advised to check the Program’s web site for updated information and suggested electives for specific Health Professions Graduate Programs.

- BCH 4053 Biochemistry I 3 hrs
- CHM 2210 Organic Chemistry I 3 hrs
- BSC 2011C Biology II 4 hrs
- CHM 2211 Organic Chemistry II 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs
- HSA 3111 U.S. Health Care Systems 3 hrs
- HSC 3110 Medical Self Assessment 3 hrs
- HSC 3537 Medical Terminology 3 hrs
- HSC 3559 Disabilities in American Society 3 hrs
- HSC 3593 HIV Disease: A Human Concern 3 hrs
- HSC 3432 Occupational Safety for the Health Care Professions 3 hrs
- HSC 4008 Professional Development in Health Professions 3 hrs
- HSC 4564 Health Care Needs of the Elderly 3 hrs
- HSC 4572 Clinical Nutrition 3 hrs
- HSC 4730 Applied Health Research Methodology 3 hrs
- MCB 3020C General Microbiology 5 hrs
- MCB 4503C Virology 3 hrs
- PCB 3063 Genetics 3 hrs
- PCB 3083L Genetics Laboratory 1 hr

PCB 3233 Immunology 3 hrs
PCB 3233L Immunology Laboratory 1 hr
PCB 4805 Endocrinology 3 hrs
ATR 3203C Upper Extremity Function and Measurement 3 hrs
ATR 3204C Lower Extremity Function and Measurement 3 hrs
ATR 3312C Injury, Management, and Rehabilitation 3 hrs
PET 4606 Applied Fitness in Sport 3 hrs
SYO 4400 Medical Sociology 3 hrs
ZOO 3744 Neurobiology 3 hrs
ZOO 4743C Clinical Neuroanatomy and Neuroscience 4 hrs
ZOO 4753C Vertebrate Histology 4 hrs
HSC 4553 Concepts in Pathophysiological Diagnosis 3 hrs

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- Students who transfer in with a Florida College System institution AA degree may need to take upper-level electives to reach the University requirement of 48 semester hours of upper division credit. Students are encouraged to choose from restricted electives list that pertain to their particular graduate program emphasis.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Students must achieve at least 2.5 overall GPA for graduation.
- A minimum grade of “C” (2.0) in each program prerequisite course, in each core requirement course, and in each restricted elective is required (see sections 2 through 5 above). Students should note that graduate programs may require a higher level of performance for admission.
- Students must take a minimum of 30 hours of upper-division Health Sciences Pre-Clinical courses from the UCF Health Sciences Pre-Clinical program to obtain the UCF degree in Health Sciences-Pre-Clinical Track.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors in Major
- Interested students should consult with a faculty advisor

Related Programs
- Biology
- Molecular Biology and Microbiology
- Athletic Training
- Sports and Fitness

Certificates
- None

Related Minors
- Biology
- Business
- Chemistry
- Education
Students should consult with a college advisor each semester.

Students should consult a pre-professional advisor before making application to a graduate program.

Students are required to have a personal interview with an advisor at the Undergraduate Student Services after filing Intent to Graduate form online.

Transfer Notes
- Completion of an Associate of Arts degree from a Florida College System institution is strongly recommended.
- Students who begin a two-semester sequence course (e.g. General Chemistry, College Physics) at a Florida College System institution are strongly encouraged to complete the sequence before transferring. If it will not be possible to complete the sequence before transferring, the student should postpone beginning the course until enrolling at UCF.
- Students who take Anatomy and Physiology at a Florida College System institution may be required to complete additional upper division credits in order to meet University graduation requirement of 48 credit hours of upper division (3000-4000) level credits.

Acceptable Substitutes for Transfer Courses
- Biology I (BSC 2010C) can be substituted by Biology I with Lab (BSC 1010 and BSC 1010L).
- Biology II (BSC 2011C) can be substituted by Biology II with Lab (BSC 1011 and BSC 1011L).
- Chemistry Fundamentals I (CHM 2045C) can be substituted by CHM 1045 and Lab.
- Chemistry Fundamentals II (CHM 2046) and Chemistry Fundamentals Lab (CHM 2046L) can be substituted by CHM 1046 and Lab.
- College Physics I (PHY 2053C) can be substituted by PHY 1053 and Lab.
- College Physics II (PHY 2054C) can be substituted by PHY 1054 and Lab.
- Human Anatomy (ZOO 3733C) and Human Physiology (PCB 3703C) can be substituted by Human Anatomy and Physiology I & II (BSC X093 and X094 or BSC X085 and X086). Please note that these acceptable transfer courses do not fulfill the 48 hour upper division (3000-4000) credit required by UCF for graduation.
- Students that transfer with an AA degree and will be required by UCF for graduation.

Plan of Study

Freshman Year - Fall 15 hrs
BSC 2010C Biology I 4 hrs
MAC 1105C College Algebra 3 hrs
ENC 1101 Composition I 3 hrs
HSC 2000 Introduction to the Allied Health Professions 2 hrs
GEP Communication 3 hrs

Freshman Year - Spring 16 hrs
ENC 1102 Composition II 3 hrs
PSY 2012 General Psychology 3 hrs
CHM 2045C Chemistry Fundamentals I 4 hrs
STA 2023 Statistical Methods I 3 hrs
GEP Cultural 3 hrs

Sophomore Year - Fall 14 hrs
CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory 1 hr
DEP 2004 Developmental Psychology 3 hrs
ZOO 3733C Human Anatomy 4 hrs
GEP Historical 3 hrs

Sophomore Year - Spring 16 hrs
PCB 3703C Human Physiology 4 hrs
HUN 2201 Fundamentals of Human Nutrition 3 hrs
HSC 3147 Introduction to Pharmacology 3 hrs
MAC 1114C College Trigonometry 3 hrs
GEP Historical 3 hrs

Junior Year - Fall 16 hrs
PHY 2053C College Physics I 4 hrs
HSC 4555 Pathophysiology I 3 hrs
HSC 3211 Preventive Health Care 3 hrs
HSC 4552 Health Law and Ethics 3 hrs
GEP Social 3 hrs

Junior Year - Spring 16 hrs
PHY 2054C College Physics II 4 hrs
HSC 4551 Epidemiology of Chronic Diseases 3 hrs
Restricted Elective 3 hrs

Select 1
HSC 4730 Applied Health Research Methodology or 3 hrs
HSA 4702 Health Sciences Research Methods 3 hrs

Senior Year - Fall 15 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs

Senior Year - Spring 15 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Health Services Administration (B.S.)
College of Health and Public Affairs
Department of Health Management and Informatics, Health and Public Affairs II, Room: 210
http://www.cohpa.ucf.edu/hmi/
Email: hsainfo@ucf.edu

Philip Wessel, MHA, Undergraduate Program Director, hsainfo@ucf.edu
Phone: 407-823-2359

This program is currently available online and in the classroom. Students who choose to take online courses are urged to complete either CGS 2100C or CGS 1060C prior to enrolling in online-based courses. After enrolling in online courses, students should visit http://learn.ucf.edu. Students must complete all University-wide graduation requirements (general education, foreign language, Gordon Rule, etc.), some of which are rarely online. Prerequisite courses are rarely offered online. For more information, see http://distrib.ucf.edu/home. Students in this major are required to have an overall GPA of 2.5 or better upon graduation. Although a minimum overall GPA of 2.5 is needed for the program, students should plan to maintain a higher GPA to be competitive for graduate programs in Health Services Administration as those programs require a GPA of at least 3.0 for admission.

Admission Requirements
- None
- Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog
UCF Degree Programs

- Students should complete the General Education Program and the Common Program Prerequisites before transferring within the Florida College System or State University System.
- Students should consult with a departmental advisor prior to first semester of enrollment.
- The courses designated in sections 1 and 2 below may be taken at a Florida College System institution, and should usually be completed in the first 60 hours.
- UCF Residency Requirement: 30 hours
- HSA Residency Requirement: Students must complete at least 42 credit hours of the core requirements at UCF in the department of Health Management and Informatics.
- Students must achieve at least 2.5 overall GPA for graduation.
- Satisfactory completion of HSA 4850 Internship

1. UCF General Education Program (GEP) (36 hrs)
   - A: Communication Foundations (9 hrs)
   - B: Cultural & Historical Foundations (9 hrs)
   - C: Mathematical Foundations (6 hrs)

Select 1:
- Required CGS 1060C Introduction to Computers or GEP
- Required CGS 2100C Computer Fundamentals for Business

D: Social Foundations (6 hrs)
- Required ECO 2023 Principles of Microeconomics

E: Science Foundations (6 hrs)
- Required CGS 2100C Computer Fundamentals for Business or GEP
- Required CGS 1060C Introduction to Computers or GEP

2. Common Program Prerequisites (CPP) (9 hrs)
   - Students must earn a “C” (2.0) or better in each Common Program Prerequisite
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

ECO 2023 Principles of Microeconomics
AGC 2071 Principles of Managerial Accounting 3 hrs
AGC 2021 Principles of Financial Accounting 3 hrs
STA 2023 Statistical Methods I 3 hrs

Select 1:
- CGS 2100C Computer Fundamentals for Business or GEP
- CGS 1060C Introduction to Computers or GEP

3. Core Requirements: Basic Level
   - None

4. Core Requirements: Advanced Level (48 hrs)
   - Students must earn a “C” (2.0) or better in each Core Requirement

HSA 3104 Health Services Administration Cornerstone 3 hrs
HSA 3111 U.S. Health Care Systems 3 hrs
HSA 3170 Health Care Finance 3 hrs
HSA 3222 Long Term Care and Administration 3 hrs
HSA 3430 Health Care Economics 3 hrs
HSA 4109 Principles of Healthcare Reimbursement, Insurance, and Managed Care Plans 3 hrs
HSC 4201 Community Health 3 hrs
HSA 4180 Organization & Management for Health Agencies I 3 hrs
HIM 4508C Quality Management 3 hrs
HSA 4702 Health Sciences Research Methods 3 hrs
HSC 3537 Medical Terminology 3 hrs
HSC 4500 Epidemiology 3 hrs
HSC 4652 Health Law and Ethics 3 hrs
HSA 4184 Organization & Management for Health Agencies II 3 hrs
HSA 4191 Fundamentals of Health Information Technology 3 hrs
HSA 4850 Health Services Administration Internship 3 hrs
HSA 4853 Internship Orientation 0 hrs

1 Course must be completed no more than one semester prior to HSA 4850.

5. Restricted Electives
   - None

6. Capstone Requirements (3 hrs)
   - HSA 4939 Health Services Administration Capstone 3 hrs

7. Foreign Language Requirements
   - Admissions
     - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
   - Graduation
     - Students who transfer with an AA degree from a Florida College System institution and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.
   - Electives
     - Students are encouraged to select with their advisor additional Health Service Administration courses as electives or other courses that will enhance their background in the health care industry. These may be used to build minors and certificates offered by the University. Examples include: Health Informatics and Information Management, Health Sciences, Aging Studies, Public Administration, and Business.

9. Additional Requirements
   - As a requirement for the Bachelor of Science in Health Services Administration major, students must complete an internship within the administrative realm of an actual health care organization. In order to participate in the HSA Internship the student must: 1) Have earned at least 90 Credit Hours prior to the start of the semester in which the internship begins; 2) Have completed at least 24 HSA Credit Hours prior to the start of the semester in which the internship begins; 3) Have a Major GPA of 2.75 prior the start of the semester in which the internship begins. Additionally, many health care organizations will require that students complete a background check, which may include, but not be limited to, law enforcement finger printing, state driving records, credit reports, and criminal records check. The cost of the background check is the student’s responsibility. Background checks may take time to complete and, subsequently, could delay the student’s internship placement. It is advised that, in the semester prior to the internship, the student contact the organization directly to obtain further information on the organization’s background check requirements. Students who have potential background issues must contact the Director of Internships to schedule an interview in order to discuss the impact on field placement. The Health Services Administration Program cannot guarantee internship placement or subsequent degree completion for students who do not pass background checks.

10. Required Minors
    - None

11. Departmental Exit Requirements
    - Students must earn a “C” (2.0) or better in each Health Services Administration course.

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF.
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
120

Honors in Major
- Interested students should consult with a faculty advisor.

Related Programs
- Public Administration
- Health Informatics and Information Management

Certificates
- Aging Studies

UNIVERSITY OF CENTRAL FLORIDA 222 Undergraduate Catalog 2016-2017
Related Minors
- Aging Studies
- Health Informatics and Information Management
- Health Sciences
- Public Administration

Advising Notes
- Students are urged to have access to a personal computer, modem, and appropriate software to interact with the University and professors.
- A variety of internship opportunities is available for HSA majors all over the country. Students do not have to reside in Central Florida to complete the internship but must meet Eligibility Requirements.
- Students will be assigned a faculty member for the purpose of career advising.

Transfer Notes
- None
- Acceptable Substitutes for Transfer Courses
- None

Plan of Study

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- HSC 2000 Introduction to the Allied Health Professions 2 hrs
- MAC 1105C College Algebra 3 hrs
- Free Elective 3 hrs
- GEP Social 3 hrs
- GEP Cultural 3 hrs

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- GEP Communication 3 hrs
- GEP Science 3 hrs
- GEP Cultural 3 hrs

Sophomore Year - Fall
- ECO 2023 Principles of Microeconomics 3 hrs
- GEP Science 3 hrs
- CGS 2100C Computer Fundamentals for Business 3 hrs
- ACG 2021 Principles of Financial Accounting 3 hrs
- GEP Historical 3 hrs

Sophomore Year - Spring
- ACG 2071 Principles of Managerial Accounting 3 hrs
- STA 2023 Statistical Methods I 3 hrs
- Free Elective 3 hrs
- GEP Historical 3 hrs

Sophomore Year - Summer
- Select 1: 3 hrs
  - Free Elective 3 hrs
  - 1 Foreign Language 4 hrs

Select 1:
- 3 hrs
  - Free Elective 3 hrs
  - 1 Foreign Language 4 hrs

Select 1:
- 3 hrs
  - Free Elective 3 hrs
  - 1 Foreign Language 4 hrs

Junior Year - Fall
- 15 hrs
  - HSA 3104 Health Services Administration Cornerstone 3 hrs
  - HSA 3111 U.S. Health Care Systems 3 hrs
  - HSC 3537 Medical Terminology 3 hrs
  - HSC 4201 Community Health 3 hrs
  - HSA 3222 Long Term Care and Administration 3 hrs

Junior Year - Spring
- 15 hrs
  - HSA 3170 Health Care Finance 3 hrs
  - HSC 4500 Epidemiology 3 hrs
  - HSA 4180 Organization & Management for Health Agencies I 3 hrs
  - HSA 4191 Fundamentals of Health Information Technology 3 hrs
  - Elective / Minor 3 hrs

Senior Year - Fall
- 15 hrs
  - HSA 3430 Health Care Economics 3 hrs
  - HSA 4184 Organization & Management for Health Agencies II 3 hrs
  - HIM 4508C Quality Management 3 hrs
  - HSA 4702 Health Sciences Research Methods 3 hrs
  - Free Elective 3 hrs
  - GEP Social 3 hrs

Senior Year - Spring
- 15 hrs
  - HSA 4109 Principles of Healthcare Reimbursement, Insurance, and Managed Care Plans 3 hrs
  - HSC 4652 Health Law and Ethics 3 hrs
  - HSA 4939 Health Services Administration Capstone 3 hrs
  - HSA 4850 Health Services Administration Internship 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

History (B.A.)
College of Arts and Humanities
Department of History, Colbourn Hall, Room: 551
http://history.cah.ucf.edu/
Email: history@ucf.edu
Phone: 407-823-2225

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a “C” (2.0) in each history course for it to be counted toward the major.
- Co-op credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF History Department.
- Students must compile a portfolio of 8-12 examples of graded, written work from UCF History classes.
- Students must complete 36 hours in history.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP)
   - Communication Foundations (9 hrs)
   - Cultural & Historical Foundations (9 hrs)
   - Mathematical Foundations (6 hrs)

Math:
- Suggested MGF 1106 Finite Mathematics or 3 hrs
- Suggested MGF 1107 Explorations in Mathematics or 3 hrs
- You may substitute a higher level math with appropriate scores on the Math Placement Exam.

Statistics - Computers:
- Select a course from GEP C.2 list 3 hrs

D: Social Foundations
- Required AMH 2010 U.S. History: 1492-1877 3 hrs
- Select one course from D.1 list 3 hrs
- Select one course from D.2 list 3 hrs

E: Science Foundations
- Required AMH 2020 U.S. History: 1877-Present 3 hrs

2. Common Program Prerequisites (CPP)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

Elective:
- AMH 2010 U.S. History: 1492-1877 GEP
- AMH 2020 U.S. History: 1877-Present GEP
### UCF Degree Programs

#### 3. Core Requirements: Basic Level (6 hrs)
- Complete two courses from EUH 2000, EUH 2001, WOH 2012 and/or WOH 2022. Upper level AFH, ASH, EUH, LAH and WOH courses can be substituted for these requirements.
  - EUH 2000 Western Civilization I 3 hrs
  - EUH 2001 Western Civilization II 3 hrs
  - WOH 2012 World Civilization I 3 hrs
  - WOH 2022 World Civilization II 3 hrs

#### 4. Core Requirements: Advanced Level (3 hrs)
- HIS 4150 History and Historians 3 hrs

#### 5. Restricted Electives (21 hrs)
- Select six hours of approved history courses 18 hrs within three of four geographic regions
  - Asian, African, and Middle Eastern or British and European or Latin American or U.S. and Canadian
  - Select three hours of approved history courses

#### 6. Capstone Requirements
- HIS 4959 History Portfolio 0 hrs

#### 7. Foreign Language Requirements

##### Admissions
- Met by graduation requirement

##### Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. Majors who are contemplating graduate school should complete two years of a foreign language, preferably one functional in their area of historical interest.

##### Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

#### 8. Additional Requirements
- None

#### 9. Required Minors
- None

#### 10. Departmental Exit Requirements
- Maintain a minimum GPA of 2.0 in upper division required courses attempted.
- Submit a portfolio (HIS 4959) during the semester of graduation. The portfolio will include 8-12 examples of graded, written work from UCF History classes.
- Computer competency met by completion of the major.
- Students must complete at least 18 of the required 36 History credit hours at UCF.

#### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

#### Total Semester Hours Required
- 120

### Related Minors
- African - American Studies
- American Studies
- Asian Studies
- Florida Studies
- Humanities
- Judaic Studies
- Middle Eastern Studies
- Latin American Area Studies
- Women’s Studies

### Advising Notes
- None

### Transfer Notes
- Grades below “C” (2.0) are not accepted.
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

### Acceptable Substitutes for Transfer Courses
1. AMH 2010 U.S. History: 1492-1877 3 hrs may be substituted with:
   2. AMH 2020 U.S. History: 1877-Present 3 hrs

### Plan of Study
- One of numerous possible plans of study. See program description for all requirements.

#### Freshman Year - Fall
- AMH 2010 U.S. History: 1492-1877 15 hrs
- ENC 1101 Composition I 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs

#### Freshman Year - Spring
- AMH 2020 U.S. History: 1877-Present 15 hrs
- ENC 1102 Composition II 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs

#### Sophomore Year - Fall
- SPN 1120C Elementary Spanish Language and Civilization I 16 hrs
- GEP 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

#### Sophomore Year - Spring
- SPN 1121C Elementary Spanish Language and Civilization II 16 hrs
- Core Course 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

#### Junior Year - Fall
- HIS 4150 History and Historians 15 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

#### Junior Year - Spring
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

#### Senior Year - Fall
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
## UCF Degree Programs

### Hospitality Management (B.S.)

**Rosen College of Hospitality Management**  
**Department of Hospitality Services,**  
9907 Universal Boulevard, Orlando, FL 32819

**http://www.hospitality.ucf.edu**  
**Email:** hospitality@mail.ucf.edu  
Dr. Kevin Murphy, Department Chair, Kevin.Murphy@ucf.edu,  
407-903-8177  
Dr. Abraham Pizam, Dean  
Phone: 407-903-8000

### Admission Requirements
- None

### Degree Requirements
- Students must earn a minimum 2.0 overall GPA in course work taken within the Rosen College of Hospitality Management, and a minimum 2.0 GPA in all courses listed in the common program prerequisites, the basic and advanced core courses, and the restricted electives.
- Students must earn a "C" (2.0) or better in each course listed in the common program prerequisites, the basic and advised cores, and the restricted electives.

#### 1. UCF General Education Program (GEP) (36 hrs)

<table>
<thead>
<tr>
<th>Required</th>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>Set 1:</td>
<td>GEP</td>
</tr>
<tr>
<td>Required</td>
<td>CGS 2100C or STA 2023</td>
</tr>
</tbody>
</table>

#### 2. Common Program Prerequisites (CPP) (3 hrs)

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

#### 3. Core Requirements: Basic Level (40 hrs)

<table>
<thead>
<tr>
<th>Hospitality Management Core</th>
<th>40 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>FSS 2221C</td>
<td>Techniques of Food Preparation</td>
</tr>
<tr>
<td>HFT 3540</td>
<td>Guest Services Management I</td>
</tr>
<tr>
<td>HFT 2401</td>
<td>Hospitality Industry Financial Accounting</td>
</tr>
<tr>
<td>HFT 3431</td>
<td>Hospitality Industry Managerial Accounting</td>
</tr>
<tr>
<td>HFT 2500</td>
<td>Hospitality and Tourism Marketing</td>
</tr>
<tr>
<td>HFT 2220</td>
<td>Hospitality Human Resources Management</td>
</tr>
<tr>
<td>HFT 3444</td>
<td>Hospitality Information Systems</td>
</tr>
<tr>
<td>HFT 3603</td>
<td>Legal Environment in the Hospitality and Tourism Industry</td>
</tr>
<tr>
<td>HFT 4464</td>
<td>Hospitality Industry Finance</td>
</tr>
<tr>
<td>HFT 4286</td>
<td>Hospitality Communications</td>
</tr>
</tbody>
</table>

#### 4. Core Requirements: Advanced Level (15 hrs)

<table>
<thead>
<tr>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 2254</td>
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<tr>
<td>HFT 3263</td>
</tr>
</tbody>
</table>

#### 5. Restricted Electives (15 hrs)

- Students must take 15 credit hours (five courses) from the following:
  - FSS 3008 | Culture and Cuisine | 3 hrs |
  - FSS 4286C | Catering and Banquet Organization | 3 hrs |
  - HFT 3353 | Golf Planning & Operations I | 3 hrs |
  - HFT 3354 | Agronomy for Golf Course Management | 3 hrs |
  - HFT 3355 | Golf Planning & Operations II | 3 hrs |
  - HFT 3357 | Club Event Operations | 3 hrs |
  - HFT 3384 | Club Enterprise Management | 3 hrs |
  - HFT 3654 | Hospitality Franchising | 3 hrs |
  - HFT 3741 | Meeting Management | 3 hrs |
  - HFT 3770 | Cruise Line Operations and Management | 3 hrs |
  - HFT 3798 | Fairs and Festivals | 3 hrs |
  - HFT 3868 | History and Culture of Wine | 3 hrs |
  - HFT 4065 | Fine Spirits Management | 3 hrs |
  - HFT 4253 | Advanced Lodging Operations | 3 hrs |
  - HFT 4266 | Hospitality Brand Management | 3 hrs |
  - HFT 4274 | Resort Management | 3 hrs |
  - HFT 4343 | Hospitality Facilities Management | 3 hrs |
  - HFT 4358 | Golf & Club Facility Design | 3 hrs |
  - HFT 4432 | Hospitality Industry Auditing | 3 hrs |
  - HFT 4473 | Hospitality and Tourism Development | 3 hrs |
  - HFT 4522 | Resort Sales Tactics and Strategies | 3 hrs |
  - HFT 4751 | Managing the Employee Experience in the Theme Park and Attraction Industry | 3 hrs |
  - HFT 4561 | Destination Marketing | 3 hrs |
  - HFT 4614 | Risk Management in Theme Parks and Attractions | 3 hrs |
  - HFT 4735 | Tourism Geography | 3 hrs |
  - HFT 4736 | Destination Management | 3 hrs |
  - HFT 4754 | Exhibit and Trade Show Operations | 3 hrs |
  - HFT 4759 | Product Development in Theme Parks and Attractions | 3 hrs |
  - HFT 4762 | Current Practices in the Airline Industry | 3 hrs |
  - HFT 4752 | Managing the Guest Experience in the Theme Park and Attraction Industry | 3 hrs |
  - HFT 4758 | Operational Issues in the Theme Park and Attraction Industry | 3 hrs |
  - HFT 4795 | Entertainment Arts and Events | 3 hrs |
  - HFT 4796 | International Events | 3 hrs |
  - HFT 4864 | Seminar in Quality Brewing and Fine Beer | 3 hrs |
UCF Degree Programs

Golf and Club Management Track 15 hrs
HFT 4866C Exploring Wines of the World 3 hrs
HFT 4894 International Gastronomy 3 hrs
HUN 3013 Nutrition Concepts and Issues in the Food Service Industry 3 hrs

Specialized Tracks 15 hrs
Theme Park and Attraction Management Track 15 hrs
HFT 4751 Managing the Employee Experience in the Theme Park and Attraction Industry or 3 hrs
HFT 4614 Risk Management in Theme Parks and Attractions or 3 hrs
HFT 4759 Product Development in Theme Parks and Attractions or 3 hrs
HFT 4752 Managing the Guest Experience in the Theme Park and Attraction Industry or 3 hrs
HFT 4758 Operational Issues in the Theme Park and Attraction Industry or 3 hrs
HFT 4795 Entertainment Arts and Events 3 hrs

Golf and Club Management Track 15 hrs
HFT 3353 Golf Planning & Operations I or 3 hrs
HFT 3354 Agronomy for Golf Course Management or 3 hrs
HFT 3355 Golf Planning & Operations II or 3 hrs
HFT 3357 Club Event Operations or 3 hrs
HFT 3384 Club Enterprise Management or 3 hrs
HFT 4358 Golf & Club Facility Design 3 hrs

Lodging Management Track 15 hrs
HFT 3654 Hospitality Franchising or 3 hrs
HFT 4253 Advanced Lodging Operations or 3 hrs
HFT 4266 Hospitality Brand Management or 3 hrs
HFT 4274 Resort Management or 3 hrs
HFT 4343 Hospitality Facilities Management or 3 hrs
HFT 4473 Hospitality and Tourism Development or 3 hrs
HFT 4522 Resort Sales Tactics and Strategies 3 hrs

Professional Tennis Management 15 hrs
HFT 3357 Club Event Operations 3 hrs
HFT 3384 Club Enterprise Management 3 hrs
HFT 3512 Event Promotion 3 hrs
HFT 3519 Event Services 3 hrs
HFT 3670 Hospitality and Event Risk Management 3 hrs

6. Capstone Requirements
■ None

7. Foreign Language Requirements
Admissions
■ State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation
■ None

8. Electives
■ 3-11 hours as necessary to result in 120 total credit hours.

9. Additional Requirements
■ Final exams will be given during Exam Week only.
■ Transfer students to this program must take a minimum of thirty (30) credit hours in Hospitality Management core classes or restricted electives at UCF.

10. Required Minors
■ None

11. Departmental Exit Requirements
■ None

12. University Minimum Exit Requirements
■ A 2.0 UCF GPA
■ 60 semester hours earned after CLEP awarded
■ 48 semester hours of upper division credit completed
■ 30 of the last 39 hours of course work must be completed in residency at UCF.
■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
■ Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
■ 120

Honors In Major
■ None

Related Programs
■ None

Certificates
■ None

Related Minors
■ None

Advising Notes
■ Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF College of Hospitality Management.
■ Florida College System students are encouraged to complete the general education requirements prior to transferring to UCF.
■ A minimum of 30 semester hours must be completed at UCF within the hospitality major.
■ Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Students should take advantage of both.

Acceptable Substitutes for Transfer Courses
■ None

Plan of Study
■ Plan your required nine summer credit hours into your course of study.

Freshman Year - Fall 15 hrs
ENC 1101 Composition I 3 hrs
HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs
MAC 1105C College Algebra 3 hrs
Cult/Hist. Foundations I 3 hrs
Select 1: 3 hrs
PSY 2012 General Psychology or 3 hrs
SYG 2000 Introduction to Sociology or 3 hrs
ANT 2000 General Anthropology or 3 hrs

Freshman Year - Spring 15 hrs
ENC 1102 Composition II 3 hrs
HFT 2254 Lodging Operations 3 hrs
MAC 1105C College Algebra 3 hrs
Cult/Hist. Foundations II 3 hrs
Select 1: 3 hrs
CGS 1060C Introduction to Computers or 3 hrs
STA 2023 Statistical Methods I 3 hrs

Sophomore Year - Fall 15 hrs
HFT 2250 Hospitality and Tourism Marketing 3 hrs
Select 1: 3 hrs
HFT 2750 The Event Industry or 3 hrs
HFT 2254 Lodging Operations 3 hrs

Sophomore Year - Spring 16 hrs
HFT 2220 Hospitality Human Resources Management 3 hrs
Select 1: 3 hrs
HFT 2254 Lodging Operations or 3 hrs
HFT 2750 The Event Industry 3 hrs

Free Elective 3 hrs
Free Elective 3 hrs
FSS 2221C Techniques of Food Preparation 4 hrs

UNIVERSITY OF CENTRAL FLORIDA
Human Communication (B.A.)
College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu
Dr. Jim Katt, Area Coordinator, james.katt@ucf.edu
Nicholson Academic Student Services, nassc@ucf.edu
Phone: 407-823-2881

Admission Requirements
- None
- Degree Requirements
  - Students who change degree programs (other than from COM Pending) and select this major must adopt the most current catalog.
  - Co-op or internship credit may be used in this major with prior advisor approval.
  - Students cannot exceed a total of six credits of internship, co-op, and independent study credits combined.
  - Students must consult with a school advisor
  - School residency requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the Nicholson School of Communication.
  - All prerequisites of courses taught within the College of Sciences will be enforced.
  - Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
- A: Communication Foundations (9 hrs)
  - Required ENC 1101 Composition I 3 hrs
  - Required ENC 1102 Composition II 3 hrs
- Select 1: 3 hrs
  - Required SPC 1608 Fundamentals of Oral Communication or GEP
  - Required SPC 1603C Fundamentals of Technical Presentations
- B: Cultural & Historical Foundations (9 hrs)
  - C: Mathematical Foundations (6 hrs)
    - Required STA 1063C Basic Statistics Using Microsoft Excel or
    - Required STA 2014C Principles of Statistics 3 hrs
- Statistics: 3 hrs
- Math: 3 hrs
  - Suggested MGF 1106 Finite Mathematics or
  - Suggested MGF 1107 Explorations in Mathematics 3 hrs
- You may substitute a higher level math with appropriate scores on the Math Placement Exam.

D: Social Foundations (6 hrs)
E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (18 hrs)
- Students are expected to select these courses outside their major, and outside the GEP. The courses may be interspersed throughout their 4 year program.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements: Basic Level (3 hrs)
- Speech
  - SPC 1608 Fundamentals of Oral Communication or GEP
  - SPC 1603C Fundamentals of Technical Presentations
- Statistics: 3 hrs
  - STA 1063C Basic Statistics Using Microsoft Excel or GEP
  - STA 2014C Principles of Statistics
- Computer Science: 3 hrs
  - CGS 1060C Introduction to Computers or
  - CGS 2100C Computer Fundamentals for Business or
  - CGS 2585C Desktop/Internet Publishing or
  - CGS 3175 Internet Applications

4. Core Requirements: Advanced Level (12 hrs)
- Select 1:
  - COM 3011C Communication and Human Relations
  - COM 3003 Exploring Human Communication
- Take all of the following: 9 hrs
  - COM 3120 Organizational Communication and
  - COM 3311 Communication Research Methods and
  - SPC 3301 Interpersonal Communication

5. Restricted Electives (27 hrs)
- Internal Restricted Electives: 21 hrs
  - Select from the following list:
    - COM 3013 Communication and the Family 3 hrs
    - COM 3022 Health Communication 3 hrs
    - COM 3110 Business and Professional Communication 3 hrs
    - COM 3332 Communication, Technology, and Change 3 hrs
    - COM 3406 Role of Motivation in Communication 3 hrs
    - COM 4014 Gender Issues in Communication 3 hrs
    - COM 4416 Terrorism and Communication 3 hrs
    - COM 4461 Intercultural Communication 3 hrs
    - COM 4462 Conflict Management 3 hrs
    - SPC 3445 Leadership Through Oral Communication 3 hrs
    - SPC 3513C Argumentation and Debate 3 hrs
    - SPC 4331 Nonverbal Communication 3 hrs
    - SPC 4426 Group Dynamics 3 hrs
    - SPC 4540 Persuasion and Communication 3 hrs

A maximum of 6 credits of any combination of the following can be used as an Internal Restricted Elective:
- COM 4941 Internship or
- COM 4906 Directed Independent Study or
- SPC X949 Coop or
- COM X949 Coop

Select 1: 3 hrs
- ENC 3315 Argumentative Writing
- ENC 3311 Essay as Cultural Commentary
- ENC 3250 Professional Writing
- ENC 3314 Writing and Rhetoric Foundations
- ENC 3241 Writing for the Technical Professional

Other upper division COM or SPC courses with prior approval of department advisor.
UCF Degree Programs

External Restricted Electives 6 hrs
- A minimum of six upper division credit hours selected from courses in Nicholson School of Communication outside of the Human Communication area (i.e. Advertising - Public Relations, Journalism, or Radio - Television).

6. Capstone Requirements
- None

7. Foreign Language Requirements
Admissions
- Met by graduation requirement.

Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.
- Eight credits of American Sign Language (ASL) can satisfy this requirement for students graduating under this catalog. Consult with the NSC advising staff to understand how choosing ASL might impact hours needed to graduate.

8. Electives
- Select primarily from upper level courses. May be taken outside of the Nicholson School of Communication.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Students must achieve a minimum cumulative GPA of 2.0 in all UCF Nicholson School of Communication (NSC) courses taken in the major.
- All attempts of UCF NSC courses that could meet major requirements are included in the major GPA calculation, including those taken beyond the minimum required (e.g. additional restricted electives).
- To avoid graduation delays, meet with your advisor to review graduation requirements before registering for your last term.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors in Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- Human Communication
- Mass Communication

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- One of numerous possible plans of study. See program description for all requirements. Consult a school advisor for alternate, new or more appropriate selections.
- Although most classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.
- Before registering for Math, take Math Placement Test ~ http://utc.sdes.ucf.edu

Freshman Year - Fall 13 hrs
- ENC 1101 Composition I 3 hrs
- GEP-Math 3 hrs
- GEP 3 hrs
- Foreign Language 4 hrs

Freshman Year - Spring 13 hrs
- ENC 1102 Composition II 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- STA 2014C Principles of Statistics 3 hrs
- Foreign Language 4 hrs

Sophomore Year - Fall 15 hrs
- Core-Computer Science 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- Elective (Consider a minor) 3 hrs

Sophomore Year - Spring 15 hrs
- COM 3311 Communication Research Methods 3 hrs

Select 1:
- COM 3011C Communication and Human Relations or 3 hrs
- COM 3003 Exploring Human Communication 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- Elective (Consider a minor) 3 hrs

Junior Year - Fall 15 hrs
- SPC 3301 Interpersonal Communication 3 hrs
- COM 3120 Organizational Communication 3 hrs
- Restricted Elective 3 hrs
- Elective (Consider a minor) 3 hrs
- GEP 3 hrs

Junior Year - Spring 15 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Elective (Consider a minor) 3 hrs
- Elective (Consider a minor) 3 hrs
- Elective (Consider a minor) 3 hrs

Junior Year - Summer 9 hrs
- Restricted Elective-Internship 3 hrs
- Elective (Consider a minor) 3 hrs
- Elective (Consider a minor) 3 hrs

Senior Year - Fall 15 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Elective (Consider a minor) 3 hrs
- Elective (Consider a minor) 3 hrs
- Elective (Consider a minor) 3 hrs

Senior Year - Spring 10 hrs
- Restricted Elective 3 hrs
- Elective (Consider a minor) 3 hrs
- Elective (Consider a minor) 4 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oelas.ucf.edu/alc/academic_learning_compacts.htm
Humanities and Cultural Studies (B.A.)

College of Arts and Humanities

Department of Philosophy,
Psychology Building, Room: 220
http://philosophy.cah.ucf.edu/
Email: philosophy2@ucf.edu
Phone: 407-823-2273

The B.A. degree in Humanities and Cultural Studies enables students to receive solid foundations in the interdisciplinary study of cultures and meanings. Students study how human cultures have produced meaning in the past and continue to do so, reflect critically on these productions, and learn relevant perspectives and meaningful interpretations that contribute to responsible engagement with the many cultural expressions we encounter today. Students conduct relevant research in the Humanities while developing their own skills of critical evaluation and constructive engagement.

Admission Requirements

- None

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in this major without prior approval by the chair.
- Students must earn at least a “C” (2.0) in each required course.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Philosophy Department.
- Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)

<table>
<thead>
<tr>
<th></th>
<th>A: Communication Foundations (9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>B: Cultural &amp; Historical Foundations (9 hrs)</td>
</tr>
<tr>
<td></td>
<td>Required</td>
</tr>
<tr>
<td>Select 1:</td>
<td>HUM 2210</td>
</tr>
<tr>
<td></td>
<td>HUM 2230</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>C: Mathematical Foundations (6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Math</td>
<td>Required</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>You may substitute a higher level math with appropriate scores on the Math Placement Exam.</td>
</tr>
</tbody>
</table>

Statistics-Computers

- Select a course from GEP C.2 list |
  - 3 hrs

D: Social Foundations (6 hrs)

- Suggested | AMH 2020 | U.S. History: 1877-Present |
- 3 hrs

E: Science Foundations (6 hrs)

- None

2. Common Program Prerequisites (CPP)

- None

3. Core Requirements: Basic Level (HUM 2020) (3 hrs)

<table>
<thead>
<tr>
<th></th>
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<tbody>
<tr>
<td>PHI 2010</td>
<td>Introduction to Philosophy or</td>
</tr>
<tr>
<td>REL 2300</td>
<td>World Religions</td>
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<tr>
<td>3 hrs</td>
<td>GEP</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Select 1:</th>
</tr>
</thead>
<tbody>
<tr>
<td>HUM 2210</td>
<td>Humanistic Tradition I or</td>
</tr>
<tr>
<td>HUM 2230</td>
<td>Humanistic Tradition II</td>
</tr>
<tr>
<td>3 hrs</td>
<td>GEP</td>
</tr>
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</table>

4. Core Requirements: Advanced Level (33 hrs)

<table>
<thead>
<tr>
<th></th>
<th>Core Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>HUM 3800</td>
<td>Research Methods in Humanities</td>
</tr>
<tr>
<td>3 hrs</td>
<td></td>
</tr>
</tbody>
</table>

| Humanities Foundations (6 hrs) |
| HUM 3431 | Ancient Humanities or |
| HUM 3435 | Medieval Humanities or |
| HUM 3255 | Modern Humanities or |
| HUM 3252 | Contemporary Humanities |
| 3 hrs | |

Theories and Methods (12 hrs)

- HUM 3805 | Critical Theory in the Humanities or |
- HUM 3830 | Introduction to Digital Humanities or |
- HUM 3326 | Theories of Sex and Gender in Humanities or |
- HUM 4330 | Performance Theory or |
- HUM 4823 | Queer Theory in the Humanities or |
- HUM 4826 | Postcolonial Theory |
| 3 hrs | 3 hrs |

Cultural Traditions (6 hrs)

- HUM 3401 | Asian Humanities or |
- HUM 3423 | African Humanities or |
- HUM 3460 | Latin American Humanities or |
- HUM 4459 | American Cultural Studies in Humanities |
| 3 hrs | 3 hrs |

Topics in Cultural Studies (6 hrs)

- HUM 4931 | Key Figures in the Humanities & Cultural Studies |
- HUM 4934 | Key Concepts in Humanities & Cultural Studies |
| 3 hrs | 3 hrs |

5. Restricted Electives

- None

6. Capstone Requirements (3 hrs)

- HUM 4933 | Senior Research Seminar |

7. Foreign Language Requirements

Admissions

- Met by graduation requirement

Graduation

- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. Majors who are contemplating graduate school should complete two years of a foreign language, preferably one functional in their area of proposed graduate interest.

8. Electives

- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- Departmental Exit Exam in final semester. Exam may be part of HUM 4933: Humanities Senior Research Seminar
- Earn a “C” (2.0) or better in each required course.
- To avoid delaying graduation, you must request a review of requirements prior to registering for your last term.
- Computer Competency met by one of the following:
  - HUM 4970H | Undergraduate Honors Thesis |
  - HUM 4933 | Senior Research Seminar |
  - STA 1063C | Basic Statistics Using Microsoft Excel |
| 3 hrs | 3 hrs |

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 120
UCF Degree Programs

Honors In Major
- Students considering graduate school in humanities are strongly encouraged to take Honors in the Major. Requirements are as follows:

a. Core Requirements, Humanities and Cultural Studies, and Capstone
- Same requirements as for regular majors

b. Honors Thesis
- 6 hrs
  - HUM 4903H Honors Directed Reading I 3 hrs
  - HUM 4970H Undergraduate Honors Thesis 3 hrs

c. Additional Requirements of Honors in the Major
- Application and admission through the Humanities Honors Coordinator
- Fulfill University requirements for Honors in the Major
- Maintain a UCF GPA of at least 3.2 and a Humanities GPA of at least 3.5
- Successful completion and oral defense of Honors thesis
- No more than 2 courses of 3000 or 4000 level courses applied to the B.A. in Humanities and Cultural Studies may be simultaneously applied to fulfill another major.
- Earn a “B” (3.0) or better in both of the following:
  - HUM 4903H Honors Directed Reading I 3 hrs
  - HUM 4970H Undergraduate Honors Thesis 3 hrs

Related Programs
- Philosophy
- Religion and Cultural Studies

Certificates
- None

Related Minors
- Digital Humanities
- Philosophy
- Religion and Cultural Studies
- Cognitive Sciences

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oelas.ucf.edu/alc/academic_learning_compacts.htm

Degree Requirements
- Each engineering student is assigned a qualified engineering academic advisor in the department of his/her major. Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.
- Students in the Industrial Engineering major are expected to make consistent good progress toward their degrees to remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Industrial Engineering who repeats any UCF course and does not earn a grade of “C” (2.0) or better on the second attempt will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation does not receive a grade of “C” (2.0) or better by the third attempt in the same UCF course, the student will be excluded from all CECS and COP majors. Any student majoring in Industrial Engineering who has accumulated 7 or more unsuccessful attempts (i.e., grades below “C” (2.0) and withdrawals) over all courses taken at UCF will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation has a tenth unsuccessful attempt over all courses taken at UCF, the student will be excluded from all CECS and COP majors.
- A student who is excluded from CECS and COP majors may seek readmission to a major in CECS or COP after at least one full year has passed since exclusion. Readmission is not automatic and is dependent upon a high probability of success after readmission. Any student who is readmitted to an engineering major will be subject to all probation conditions that applied at the time of exclusion.

1. UCF General Education Program (GEP) (38 hrs)
- The UCF General Education Program (GEP) is described in the section, General Education Program, found elsewhere in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida College System or State University System should complete the GEP and the Common Program Prerequisites before transferring.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1603C Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Select two courses from Historical Foundations 6 hrs
- Select one course from Cultural Foundations 3 hrs

C: Mathematical Foundations (7 hrs)
- Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
- Required STA 3032 Probability and Statistics for Engineers 3 hrs

D: Social Foundations (6 hrs)
- Select one course from Social Foundations Group 2 3 hrs

E: Science Foundations (7 hrs)
- Required PHY 2048C General Physics Using Calculus I 4 hrs
- Select one course from Science Foundations 3 hrs

Industrial Engineering (B.S.I.E.)
College of Engineering and Computer Science
Department of Industrial Engineering and Management Systems, Engineering II, Room: 312
http://www.iems.ucf.edu/
Dr. William Thompson, william.thompson@ucf.edu
Phone: 407-823-2204

Admission Requirements
- Students wanting to declare a major in an engineering discipline must be in good academic standing and must have a “C” (2.0) or better in each of the following courses or their equivalents: MAC 2311C, MAC 2312, PHY 2048C, and CHM 2045C or CHS 1440.
- Students wanting to declare a major in an engineering discipline must complete a change of major in the term of completion of the final pending prerequisite course(s) listed above.
2. Common Program Prerequisites (CPP) (19 hrs)
   [These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. A 2.0 cumulative GPA or better is required for those courses in this section.]
   [See "Common Prerequisites" in the Transfer and Transitions Services section for more information.]
   1. MAC 2311C Calculus with Analytic Geometry I GEP
   2. MAC 2312 Calculus with Analytic Geometry II 4 hrs
   3. MAC 2313 Calculus with Analytic Geometry III 4 hrs
   4. MAP 2302 Ordinary Differential Equations I 3 hrs
   5. PHY 2048C General Physics Using Calculus I GEP
   6. PHY 2049C General Physics Using Calculus II 4 hrs

Select 1: 4 hrs
   1. CHS 1440 Principles of Chemistry or 4 hrs
   2. CHM 2045C Chemistry Fundamentals I 4 hrs

1 A 2.0 cumulative GPA or better is required for this course.
2 Preferred

3. Core Requirements: Basic Level (2 hrs)
   Engineering Core: Basic
   [The College of Engineering and Computer Science requires all engineering students to achieve a minimum of 2.250 GPA in completing the core courses required for the major, together with the restricted electives and senior design courses listed below.]
   EGS 1006C Introduction to the Engineering Profession 1 hr
   EGN 1007C Engineering Concepts and Methods 1 hr

4. Core Requirements: Advanced Level (59 hrs)
   Courses Required for the Major 59 hrs
   [The Industrial Engineering and Management Systems department requires all students within the major to achieve a "C" (2.0) GPA or better in all courses in this section with a prefix of EIN, EGS, ESI, STA and MAS.]
   EGS 4624 Engineering Innovation and Leadership 3 hrs
   STA 3032 Probability and Statistics for Engineers GEP
   EIN 3314 Work Analysis and Design 3 hrs
   ESI 4628 Decision Support Systems for Industrial Engineers 3 hrs
   EIN 4234C Quality Engineering 3 hrs
   EIN 4333 Production and Distribution Systems 3 hrs
   EIN 4364 Facilities Planning 3 hrs
   EIN 4391 Manufacturing Engineering 3 hrs
   ESI 4221 Empirical Methods for Industrial Engineering 3 hrs
   ESI 4324 Quantitative Methods 3 hrs
   ESI 4312 Operations Research 3 hrs
   ESI 4523 Systems Simulation 3 hrs
   EIN 4517 Systems Engineering 3 hrs
   EIN 3310 Engineering Analysis-Statistics 3 hrs
   1. COP 3223C Introduction to Programming with C 3 hrs
   2. EGN 3371 Engineering Analysis-Dynamics 3 hrs
   3. EGN 3373 Principles of Electrical Engineering 3 hrs
   4. EIN 2002 Introduction to Industrial Engineering and Management Systems 3 hrs
   5. MAS 3105 Matrix and Linear Algebra 4 hrs
   6. EIN 3351 Engineering Economic Analysis and Cost Engineering 3 hrs

Select 1: 3 hrs
   1. EGN 3358 Thermo-Fluids-Heat Transfer or 3 hrs
   2. EGN 3343 Thermodynamics 3 hrs

1 Courses with significant programming content in C, C++ or Java may be used to satisfy this requirement but must be approved by the IEMS undergraduate coordinator.

5. Restricted Electives (6 hrs)
   [Technical electives are available in the BSIE program to address specific student interests in a variety of technical areas. Students should consult with their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.]

6. Capstone Requirements
   None

7. Foreign Language Requirements
   Admissions
   Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

   Graduation
   None

8. Electives
   None

9. Additional Requirements
   None

10. Required Minors
   None

11. Departmental Exit Requirements (4 hrs)
    EIN 4891C Industrial Engineering Senior Design Project 4 hrs

12. University Minimum Exit Requirements
    A 2.0 UCF GPA
    60 semester hours earned after CLEP awarded
    48 semester hours of upper division credit completed
    30 of the last 39 hours of course work must be completed in residency at UCF.
    A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required: 128

Honors In Major
None

Related Programs
Mechanical Engineering

Certificates
None

Related Minors
None

Advising Notes
None

Transfer Notes
Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.

EGN 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one hour each) may, with prior approval of the department academic advisor, be moved to area 5. Restricted Electives.

Acceptable Substitutes for Transfer Courses
None

Plan of Study (128 hrs)
Tentative Course Schedule for Entering Freshmen:
The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

Freshman Year - Fall 12 hrs
   ENC 1101 Composition I 3 hrs
   EGS 1006C Introduction to the Engineering Profession 1 hr
   MAC 2311C Calculus with Analytic Geometry I 4 hrs
   CHS 1440 Principles of Chemistry 4 hrs

Freshman Year - Spring 12 hrs
   ENC 1102 Composition II 3 hrs
   EGN 1007C Engineering Concepts and Methods 1 hr
   MAC 2312 Calculus with Analytic Geometry II 4 hrs
   PHY 2048C General Physics Using Calculus I 4 hrs

Freshman Year - Summer 9 hrs
   COP 3223C Introduction to Programming with C 3 hrs

Select 1: 3 hrs
   1. ECO 2013 Principles of Macroeconomics or 3 hrs
   2. ECO 2023 Principles of Microeconomics 3 hrs
### UCF Degree Programs

#### Junior Year - Spring
<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEP</td>
<td>Fundamentals of Technical Presentations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
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</table>

#### Sophomore Year - Fall
<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 2313</td>
<td>Calculus with Analytic Geometry III</td>
<td>4 hrs</td>
</tr>
<tr>
<td>STA 3032</td>
<td>Probability and Statistics for Engineers</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EIN 2002</td>
<td>Introduction to Industrial Engineering and Management Systems</td>
<td>1 hr</td>
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</table>

**Admission Requirements**
- None

#### Sophomore Year - Spring
<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAP 2302</td>
<td>Ordinary Differential Equations I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3321</td>
<td>Engineering Analysis-Dynamics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAS 3105</td>
<td>Matrix and Linear Algebra</td>
<td>4 hrs</td>
</tr>
<tr>
<td>EIN 3351</td>
<td>Engineering Economic Analysis and Cost Engineering</td>
<td>3 hrs</td>
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</table>

#### Sophomore Year - Summer
<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEP</td>
<td>General Physics Using Calculus II</td>
<td>6 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>Work Analysis and Design</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ESI 4312</td>
<td>Operations Research</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ESI 4628</td>
<td>Decision Support Systems for Industrial Engineers</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3373</td>
<td>Principles of Electrical Engineering</td>
<td>3 hrs</td>
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</table>

#### Junior Year - Fall
<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>EIN 3314</td>
<td>Systems Simulation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EIN 4333</td>
<td>Production and Distribution Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EIN 4364</td>
<td>Facilities Planning</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EIN 4243C</td>
<td>Human Engineering</td>
<td>3 hrs</td>
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#### Junior Year - Summer
<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEP</td>
<td>Manufacturing Engineering</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ESI 4341</td>
<td>Quality Engineering</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ESI 4221</td>
<td>Mechanical Engineering</td>
<td>3 hrs</td>
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</table>

#### Senior Year - Fall
<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EIN 4891C</td>
<td>Industrial Engineering Senior Design</td>
<td>4 hrs</td>
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</tbody>
</table>

#### Senior Year - Spring
<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>EIN 4891C</td>
<td>Industrial Engineering Senior Design Project</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGS 4624</td>
<td>Engineering Innovation and Leadership</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EIN 4517</td>
<td>Systems Engineering</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oecs.ucf.edu/alc/academic_learning_compacts.htm](http://www.oecs.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees
- Part-Time Student: $38 per term
- Full-Time Student: $77 per term

### Information Technology (B.S.)

#### College of Engineering and Computer Science

#### Department of Computer Science, Harris Corp. Engineering Center, Room: 346

**http://www.cs.ucf.edu/**

**Email:** undergraduate@cs.ucf.edu

Dr. Ali Orooji

Jenny Shen

Julie Faris

Phone: 407-823-2341

### Admission Requirements
- None

### Degree Requirements
- "C" (2.0) or better required in all prerequisites and courses required for the major.
- Students should consult with a departmental advisor.
- A Residency Requirement consists of at least 24 semester hours of regularly scheduled 3000-5000 level courses taken from the Department of EECS at UCF.
- 12 of the 24 Residency hours must be at the 4000-5000 level.
- Students in the Information Technology major are expected to make consistent good progress toward their degrees to remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Information Technology who repeats any UCF course and does not earn a grade of "C" (2.0) or better on the second attempt will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation does not receive a grade of "C" (2.0) or better by the third attempt in the same UCF course, the student will be excluded from all CECS and COP majors. Any student majoring in Information Technology who has accumulated 7 or more unsuccessful attempts (i.e., grades below “C” (2.0) and withdrawals) over all courses taken at UCF will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation has a tenth unsuccessful attempt over all courses taken at UCF, the student will be excluded from all CECS and COP majors.

- A student who is excluded from CECS and COP majors may seek readmission to a major in CECS or COP after at least one full year has passed since exclusion. Readmission is not automatic and is dependent upon a high probability of success after readmission. Any student who is readmitted to the Information Technology major will be subject to all probation conditions that applied at the time of exclusion.

#### 1. UCF General Education Program (GEP) (37 hrs)

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>A: Communication Foundations (9 hrs)</td>
<td></td>
</tr>
<tr>
<td>Required</td>
<td>ENC 1101 Composition I</td>
</tr>
<tr>
<td>Required</td>
<td>ENC 1102 Composition II</td>
</tr>
<tr>
<td>Select 1:</td>
<td>SPC 1603C Fundamentals of Technical Presentations or SPC 1608 Fundamentals of Oral Communication</td>
</tr>
<tr>
<td>B: Cultural &amp; Historical Foundations (9 hrs)</td>
<td></td>
</tr>
<tr>
<td>Required</td>
<td>STA 2023 Statistical Methods I</td>
</tr>
<tr>
<td>Select 1:</td>
<td>Suggested MAC 1105C College Algebra or Suggested MAC 1140C Pre-Calculus Algebra</td>
</tr>
<tr>
<td>D: Social Foundations (6 hrs)</td>
<td></td>
</tr>
<tr>
<td>Required</td>
<td>ECO 2013 Principles of Macroeconomics</td>
</tr>
<tr>
<td>Required</td>
<td>PSY 2012 General Psychology</td>
</tr>
<tr>
<td>E: Science Foundations (7 hrs)</td>
<td></td>
</tr>
<tr>
<td>Required</td>
<td>PHY 2053C College Physics I</td>
</tr>
<tr>
<td>Select one class from Science Foundations</td>
<td></td>
</tr>
<tr>
<td>2. Common Program Prerequisites (CPP) (15 hrs)</td>
<td></td>
</tr>
<tr>
<td>A &quot;C&quot; (2.0) or better is required in all these courses.</td>
<td></td>
</tr>
<tr>
<td>See “Common Prerequisites” in the Transfer and Transitions Services section for more information.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 1114C</td>
<td>College Trigonometry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Principles of Macroeconomics</td>
<td>GEP</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
<td>GEP</td>
</tr>
<tr>
<td>PHY 2053C</td>
<td>College Physics I</td>
<td>GEP</td>
</tr>
<tr>
<td>COP 3223C</td>
<td>Introduction to Programming with C</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 3330</td>
<td>Object Oriented Programming</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CGS 2545C</td>
<td>Database Concepts</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Statistical Methods I</td>
<td>GEP</td>
</tr>
</tbody>
</table>
Select 1:  3 hrs
MAD 2104  Foundations of Discrete Math or 3 hrs
COT 3100C  Introduction to Discrete Structures 3 hrs

3. Core Requirements: Basic Level

None

4. Core Requirements: Advanced Level (52 hrs)

A “C” (2.0) or better is required in all these courses.

Core Requirements 46 hrs
COP 3502C  Computer Science I 3 hrs
CIS 3360  Security in Computing 3 hrs
CAP 3104  Foundations of HCI 3 hrs
CGS 3269  Computer Architecture Concepts 3 hrs
CNT 3004  Computer Network Concepts 3 hrs
CIS 3003  Fundamentals of Information Technology 3 hrs
CIS 4524  Managing IT Integration 3 hrs
CNT 4714  Enterprise Computing 3 hrs
CIS 4004  Web-Based Information Technology 3 hrs
CNT 4705C  Design and Implementation of Computer Communication Networks 3 hrs
COP 4910  Frontiers in Information Technology 3 hrs
PHI 3626  Advanced Ethics in Science and Technology 3 hrs
CGS 3763  Operating System Concepts 3 hrs
CNT 4603  System Administration and Maintenance 3 hrs
PHY 2054C  College Physics II 4 hrs

Support Courses 6 hrs

A “C” (2.0) or better is required in all these courses.
Select 1:  3 hrs
ENC 4293  Documentation and the Collaborative Process or 3 hrs
ENC 4285  Writing for the Computer Industry or 3 hrs
ENC 4414  Writing and Hypertext or 3 hrs
ENC 4415  Digital Rhetorics and The Modern Dialectic or 3 hrs
ENC 4298  Technical Communication for the Virtual Workplace or 3 hrs
ENC 4416  Writing in Digital Environments or 3 hrs
ENC 4262  International Technical Communication or 3 hrs
ENC 4215  Technical Publication and Project Management 3 hrs

Select 1:  3 hrs
ENC 3241  Writing for the Technical Professional or 3 hrs
ENC 3250  Professional Writing 3 hrs

5. Restricted Electives (6 hrs)
Six hours of any 3000-level (or higher) courses offered by Computer Science and Information Technology programs. CGS 4941 can be used as a restricted elective.
A “C” (2.0) or better is required in all these courses.

6. Capstone Requirements
None

7. Foreign Language Requirements

Admissions
Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
None

8. Electives
Remaining hours needed to meet minimum of 120 hours for graduation should be met with Free Electives.

9. Additional Requirements
An “S” grade is required in all these courses.

Major specific support courses 1 hr
CIS 3990  IT Career and Academic Advising 1 hr
CIS 4991  IT Career and Academic Advising 1 hr
CIS 3921  Careers in IT 1 hr

10. Required Minors
None

11. Departmental Exit Requirements
None
UCF Degree Programs

Select 1: 3 hrs
ENC 4285 Writing for the Computer Industry or 3 hrs
ENC 4293 Documentation and the Collaborative Process or 3 hrs
ENC 4414 Writing and Hypertext or 3 hrs
ENC 4415 Digital Rhetorics and The Modern Dialectic or 3 hrs
ENC 4298 Technical Communication for the Virtual Workplace or 3 hrs
ENC 4416 Writing in Digital Environments or 3 hrs
ENC 4262 International Technical Communication or 3 hrs
ENC 4215 Technical Publication and Project Management 3 hrs

Senior Year - Fall 15 hrs
CNT 4703 Design and Implementation of Computer Communication Networks 3 hrs
CIS 4004 Web-Based Information Technology 3 hrs
Restricted Elective 3 hrs
Free Elective 3 hrs
CNT 4603 System Administration and Maintenance 3 hrs
CIS 4991 IT Career and Academic Advising II 0 hrs

Senior Year - Spring 13 hrs
Restricted Elective 3 hrs
Free Elective 4 hrs
COP 4910 Frontiers in Information Technology 3 hrs
CNT 4714 Enterprise Computing 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $23 per term
- Full-Time Student: $47 per term

Integrated Business (B.S.B.A.)
College of Business Administration
Integrated Business Program,
Business Administration II, Room: 222
http://business.ucf.edu/undergraduate-programs
Phone: 407-823-5627

The Integrated Business (IB) degree is intended to develop a strong business “generalist” who has the ability and capacity to enter the workforce with a broad understanding of business and strong analytical, communication, and critical thinking skills. The program focuses on issues faced by small and medium size, privately held firms. Not eligible for a double degree or double major with another College of Business Administration major.

Admission Requirements
- Completion of the UCF General Education program and Gordon Rule, or an AA degree from a Florida College System or State University System institution, and completion of each Common Program Prerequisite course with a “C” (2.0) or better.
- Completion of the following courses at UCF or at an AACSB accredited institution: ECO 3411, MAR 3023, FIN 3403, MAN 3025, and ACG 3173, with a GPA of “C” (2.0) or better. One course may be repeated one time in the next term of enrollment to meet these requirements.
- See Common Program Prerequisites
- A student’s academic catalog year guarantees their graduation requirements, but not their admission requirements. All pre-majors are held to the current admission standards. This applies to both native and transfer students.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students wanting to major in Integrated Business must apply for admission to the major.
- Any student receiving a business degree must complete a minimum of 30 of the 58 upper level business hours for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Students in the Integrated Business major must maintain a 2.0 or higher cumulative Grade Point Average in all major courses taken at UCF and a 2.0 or higher cumulative GPA in all College of Business courses taken at UCF. Failure to maintain the required GPAs will result in the student being placed on Lack of Progress in the major and/or College. If a student on Lack of Progress fails to achieve the minimum required GPA in the subsequent term of enrollment, the student will be dismissed from the Integrated Business major and/or College of Business. A student who is dismissed may seek consideration for re-admittance into the College or major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving the required GPA. Readmission is not automatic or guaranteed and as an exception to College policy is rarely granted.
- Students majoring in Integrated Business must earn a grade of “C” (2.0) or better in each course applied towards the major, and a 2.0 overall average in the major.

1. UCF General Education Program (GEP) (36 hrs)
A: Communication Foundations (9 hrs)
- Prefer: SPC 1608 Fundamentals of Oral Communication 3 hrs
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (6 hrs)
- Required: CGS 2100C Computer Fundamentals for Business 3 hrs
- Required: MAC 1105C College Algebra 3 hrs
D: Social Foundations (6 hrs)
Select 1: 3 hrs
- Required: ECO 2013 Principles of Macroeconomics or 3 hrs
- Required: ECO 2023 Principles of Microeconomics 3 hrs
Select 1: 3 hrs
- Suggested: ANT 2000 General Anthropology or 3 hrs
- Suggested: PSY 2012 General Psychology or 3 hrs
- Suggested: SYG 2000 Introduction to Sociology 3 hrs
E: Science Foundations (6 hrs)
2. Common Program Prerequisites (CPP) (18 hrs)
- Must be completed with a “C” (2.0) or better.
- ACG 2021 Principles of Financial Accounting 3 hrs
- ACG 2071 Principles of Managerial Accounting 3 hrs
- CGS 2100C Computer Fundamentals for Business 3 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs

Select one of the following sequences of courses:
- Students who have not completed MAC 2233 and STA 2023 with a “C” (2.0) or better must take ECO 3401.
- ECO 3401 Quantitative Business Tools I 3 hrs
- MAC 2233 Concepts of Calculus and 3 hrs
-STA 2023 Statistical Methods I 3 hrs

1 Or MAC 2311 and MAC 2312
3. Core Requirements: Basic Level
- None
4. Core Requirements: Advanced Level (52 hrs)
Primary Core
- ACG 3173 Accounting for Decision-Makers 3 hrs
- ECO 3411 Quantitative Business Tools II 3 hrs
- FIN 3403 Business Finance 3 hrs
- MAN 3025 Management of Organizations 3 hrs
- MAR 3023 Marketing 3 hrs

UNIVERSITY OF CENTRAL FLORIDA
234 Undergraduate Catalog 2016-2017
### UCF Degree Programs

#### Secondary Core 13 hrs
- GEB 3003 Career Research & Planning 1 hr
- GEB 3005 Career Search Strategy 1 hr
- BUL 3130 Legal and Ethical Environment of Business 3 hrs
- GEB 3375 Introduction to International Business 3 hrs
- MAR 3203 Supply Chain and Operations Management 3 hrs
- GEB 4223 Business Interviewing Techniques 1 hr
- GEB 4004 Executing Your Career Plan 1 hr

#### Required Courses for Major 24 hrs
- GEB 4522 Data Driven Decision Making 3 hrs
- GEB 4513 Applied Business Technologies 3 hrs
- MAN 3302 Essentials of Human Resource Management for Integrated Business 3 hrs
- GEB 3031 Integrated Business Foundations 3 hrs
- MAR 3407 Contemporary Selling 3 hrs
- ENT 4412 Managing Small Business Finances 3 hrs
- ECP 4703 Managerial Economics 3 hrs
- MAN 4583 Project Management 3 hrs

#### 5. Restricted Electives (3 hrs)
- Take one class from the list below.
- GEB 4941 Internship 3 hrs
- ENT 3613 Creativity and Entrepreneurship 3 hrs
- GEB 4194 Small Business Development 3 hrs

#### 6. Capstone Requirements (3 hrs)
- Admitted to a Business major, senior standing, and completion of MAN 3025, MAR 3023, FIN 3403, ECO 3411, and ACG 3173 or ACG 3131 are required to register for MAN 4720.
- MAN 4720 Strategic Management 3 hrs

#### 7. Foreign Language Requirements
- Admissions: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

#### Graduation离开
- None

#### 8. Electives
- Variable

#### 9. Additional Requirements
- None
- 10. Required Minors
- None

#### 11. Departmental Exit Requirements
- A minimum major GPA and a minimum College of Business GPA of 2.0.

#### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

#### Total Semester Hours Required
- 120

#### Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisite class.
- Any student receiving a business degree must complete a minimum of 30 of the 58 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.

#### Acceptable Substitutes for Transfer Courses
- None

#### Plan of Study
- General electives as required to earn 120 credit hours.

#### Freshman Year - Fall 15 hrs
- ENC 1101 Composition I 3 hrs
- MAC 1105C College Algebra 3 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs
- Cultural Foundation I 3 hrs
- Elective 3 hrs

#### Freshman Year - Spring 15 hrs
- ENC 1102 Composition II 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs
- Social Foundation 3 hrs
- Elective 3 hrs
- Elective 3 hrs

#### Sophomore Year - Fall 15 hrs
- ACG 2021 Principles of Financial Accounting 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- History I 3 hrs
- Elective 3 hrs

#### Sophomore Year - Spring 15 hrs
- ACG 2071 Principles of Managerial Accounting 3 hrs
- ECO 3401 Quantitative Business Tools I 3 hrs
- CGS 2100C Computer Fundamentals for Business 3 hrs
- Elective 3 hrs
- History II 3 hrs
- Science 3 hrs

#### Junior Year - Fall 16 hrs
- ACG 3173 Accounting for Decision-Makers 3 hrs
- MAN 3025 Management of Organizations 3 hrs
- MAR 3023 Marketing 3 hrs
- FIN 3403 Business Finance 3 hrs
- ECO 4411 Quantitative Business Tools II 3 hrs
- GEB 3003 Career Research & Planning 1 hr

#### Junior Year - Spring 13 hrs
- GEB 3031 Integrated Business Foundations 3 hrs
- MAN 3302 Essentials of Human Resource Management for Integrated Business 3 hrs
- GEB 4513 Applied Business Technologies 3 hrs
- BUL 3130 Legal and Ethical Environment of Business 3 hrs
- GEB 3005 Career Search Strategy 1 hr
- Elective 2 hrs
Senior Year - Fall 16 hrs
GEB 3375 Introduction to International Business 3 hrs
ENT 4412 Managing Small Business Finances 3 hrs
MAR 3203 Supply Chain and Operations Management 3 hrs
MAR 3407 Contemporary Selling 3 hrs
GEB 4522 Data Driven Decision Making 3 hrs
GEB 4223 Business Interviewing Techniques 1 hr

Senior Year - Spring 13 hrs
ECP 4703 Managerial Economics 3 hrs
MAN 4720 Strategic Management 3 hrs
MAN 4583 Project Management 3 hrs
GEB 4004 Executing Your Career Plan 1 hr
IB Restricted Elective 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

Interdisciplinary Studies (B.A. / B.S.)
College of Undergraduate Studies
Office of Interdisciplinary Studies,
Classroom I, Room: 302
http://www.is.ucf.edu
Email: is@ucf.edu
Phone: 407-823-0144

Interdisciplinary Studies is a university-wide program leading to either the Bachelor of Arts or the Bachelor of Science in Interdisciplinary Studies, depending on the concentration of work selected in consultation with an Interdisciplinary Studies adviser. The program is administered through the Office of Interdisciplinary Studies and is designed for academic flexibility. It recognizes that there are many combinations of courses that meet the needs of individual students. This program may be taken online; however, there are limited area, course, and minor selections available.

Advisement is required from a member of the Interdisciplinary Studies Advising Team. Students may not be able to complete all courses online. Students must complete all University-wide graduation requirements (general education, foreign language, Gordon Rule, etc.), some of which are not available via online courses. For more information, see http://online.ucf.edu/

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must have declared an Interdisciplinary Studies major at least two semesters before graduation.
- Co-op credit cannot be used in this major.
- Independent study forms must be approved by the director prior to taking an independent study or internship for use in the Interdisciplinary Studies areas. Non-approved independent studies or internships will not be counted towards the major.
- Students must earn at least a “C” (2.0) in each core and restricted elective course.
- Students must consult with an Interdisciplinary Studies adviser to enter the program.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- No courses can count in more than one subject area or in a subject area and a minor.
- Students wishing to earn an Interdisciplinary Studies degree as a double degree, double major, or second major, must complete all restricted elective credits exclusive of the credits done for the other degree(s) or major(s), including any minors associated with that degree or degrees.
11. Departmental Exit Requirements
- A grade of “C” or above (2.0) is required for each course in the core and restricted electives.
- Computer Competency met by completing this major.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Interdisciplinary Studies - Environmental Studies Track
- Interdisciplinary Studies - Women’s Studies Track

Certificates
- None

Related Minors
- Most UCF minors

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Transfer courses must be evaluated for equivalency credit and/or for use in the degree program by the Interdisciplinary Studies Advising Team. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oes.ucf.edu/alc/academic_learning_compacts.htm

Interdisciplinary Studies - Environmental Studies Track (B.S.)

C of Undergraduate Studies
Office of Interdisciplinary Studies,
Classroom I, Room: 302
http://www.is.ucf.edu
Email: is@ucf.edu
Phone: 407-823-0144

The Environmental Studies track is a program that prepares students for a number of interesting and challenging careers. Its interdisciplinary nature provides students with tools that can be applied across a spectrum of science, social behavior, and humanities, using the strengths of the various areas. Students seeking journalistic or artistic careers will gain a scientific background by which to understand environmental science, while students going into the sciences will appreciate the social, political, and ethical dimensions of environmental actions and policy decisions.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must have declared an Interdisciplinary Studies major at least one semester before graduation.
- Independent study forms must be approved by the director prior to taking an independent study or internship for use in the program; non-approved independent studies will not be counted towards the major.
- Co-op credit cannot be used in the major.
- Students must earn at least a “C” (2.0) grade in each required course in the core and subject areas.
- Students must consult with an Interdisciplinary Studies adviser when entering the program.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- Students wishing to earn an Interdisciplinary Studies degree as a double degree, double major, or second degree, must complete all fifty-four credits exclusive of credits done for the other degree(s) and/or major(s), including any minors associated with that degree.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)

   Required  MAC 1105C  College Algebra  3 hrs
   Required  STA 2023  Statistical Methods I  3 hrs

   1 may take a higher level math

   D: Social Foundations (6 hrs)
   Required  SYG 2000  Introduction to Sociology  3 hrs
   Required  ECO 2023  Principles of Microeconomics  3 hrs

   E: Science Foundations (8 hrs)
   Required  BSC 2010C  Biology I  4 hrs
   Required  CHM 2045C  Chemistry Fundamentals I  4 hrs

2. Common Program Prerequisites (CPP)
- None

3. Core Requirements: Basic Level (11 hrs)
- Core for Environmental Studies:

   Physical/Mathematical Sciences
   CHM 2045C  Chemistry Fundamentals I  GEP
   MAC 1105C  College Algebra  GEP
   STA 2023  Statistical Methods I  GEP

   Select one of the following  3 hrs
   GLY 2030  Environmental Geoscience  3 hrs
   PHY 1038  Physics of Energy and the Environment  3 hrs
   PSC 1121  Physical Science  3 hrs

   Life Sciences
   BSC 2010C  Biology I  GEP
   BSC 2011C  Biology II  4 hrs
   PCB 3044  Principles of Ecology  3 hrs
   PCB 3044L  Principles of Ecology Laboratory  1 hr

   Social Science & Humanities
   SYG 2000  Introduction to Sociology  GEP
   ECO 2023  Principles of Microeconomics  GEP

4. Core Requirements: Advanced Level (19 hrs)

   Environmental Studies Fundamentals
   IDS 3150  Foundations of Environmental Studies  3 hrs
   ECP 3302  Economics and the Environment  3 hrs
   GIS 3043C  GIS for Environmental Studies  3 hrs
   GIS 4301C  Advanced GIS Applications in Environmental Studies  4 hrs
   PUP 3203  Environmental Politics  3 hrs
   SYD 4510  Environment and Society  3 hrs

5. Restricted Electives (18 hrs)
- Students will complete one of the concentrations listed below. Each concentration requires a minimum of eighteen credit hours. A student completing the Environmental Studies core can reasonably expect to meet entry requirements for most electives listed.
- Select eighteen hours in one concentration.
## Science Concentration

- Note: This subject area is available only to Interdisciplinary Studies - Environmental Studies track majors.

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>BCH 4053</td>
<td>Biochemistry I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BCH 4054</td>
<td>Biochemistry II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BOT 3152C</td>
<td>Local Flora</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BOT 3802</td>
<td>Ethnobotany</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BOT 4303C</td>
<td>Plant Kingdom</td>
<td>5 hrs</td>
</tr>
<tr>
<td>BOT 4713C</td>
<td>Plant Taxonomy</td>
<td>5 hrs</td>
</tr>
<tr>
<td>BSC 4312C</td>
<td>Advanced Marine Biology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 3120</td>
<td>Analytical Chemistry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>OCE 3008</td>
<td>Oceanography</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 3063</td>
<td>Genetics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 3442</td>
<td>Aquatic Ecology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 4683</td>
<td>Evolutionary Biology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PCB 4723</td>
<td>Animal Physiology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PCB 5045</td>
<td>Conservation Biology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PCB 5326C</td>
<td>Ecosystems of Florida</td>
<td>5 hrs</td>
</tr>
</tbody>
</table>

## Values, Planning, & Policy Concentration

- Note: This subject area is available only to Interdisciplinary Studies - Environmental Studies track majors.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 3541</td>
<td>Biobehavioral Anthropology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BOT 3802</td>
<td>Ethnobotany</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECP 4303</td>
<td>Environmental and Natural Resource Economics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 3241</td>
<td>Writing for the Technical Professional</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 4360</td>
<td>Nature Writing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4351</td>
<td>International Environmental Law</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 3330</td>
<td>Urban and Regional Planning</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4351</td>
<td>Issues in Environmental Program</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHM 4031</td>
<td>Environmental Philosophy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PLA 4554</td>
<td>Environmental Law</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PUP 3204</td>
<td>Sustainability</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PUP 4209</td>
<td>Urban Environmental Policy</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

## Capstone Requirements
- None

## Foreign Language Requirements

### Admissions
- Two years of high school, or one year college language (or equivalent proficiency exam) prior to graduation.

### Graduation
- Proficiency equivalent to one semester of college instruction in a foreign language or one course with a multicultural dimension. Standardized examinations for foreign languages may be used to meet the requirement.

## Electives
- Select primarily from upper level courses, with adviser approval.

## Additional Requirements
- None

## Required Minors
- None

## Departmental Exit Requirements
- A grade of “C” or above (2.0) is required for each course taken in the subject areas and core.
- Computer Competency is met by completing this major.

## University Minimum Exit Requirements
- A 2.0 UCF GPA.
- 60 semester hours earned after CLEP awarded.
- 48 semester hours of upper division credit completed.
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

## Total Semester Hours Required
- 120

---

### International and Global Studies (B.A.)

**College of Sciences**  
**Department of Political Science,**  
Howard Phillips Hall, Room: 302  
http://politicalscience.cos.ucf.edu  
Email: politics@ucf.edu  
Dr. Paul Vasquez  
Phone: 407-823-2608

This degree program may be completed online, although not all elective options or program prerequisites may be offered online. Newly admitted students choosing to complete this program exclusively via UCF online classes may enroll with a reduction in campus-based fees. See http://ucf.edu/online for more information.

## Admission Requirements
- None

## Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in this major without prior departmental approval.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 21 semester hours of regularly scheduled courses taken from the UCF Department of Political Science.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Most courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

### Double major/dual degree policy in Political Science programs and minors:
- Students who double major/degree in any Political Science track and International and Global Studies shall not count more than two courses toward both programs, with the exception of:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>POS 2041</td>
<td>American National Government</td>
<td>3 hrs</td>
</tr>
<tr>
<td>POS 3703</td>
<td>Scope and Methods of Political Science</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
1. UCF General Education Program (GEP) (36 hrs)

2. Core Program Prerequisites (CPP)

3. Core Requirements: Basic Level (6 hrs)
   - ECO 2013 Principles of Macroeconomics 3 hrs
   - POS 2041 American National Government GEP

4. Core Requirements: Advanced Level (15 hrs)
   - CPO 3103 Comparative Politics 3 hrs
   - GEO 3471 World Political Geography 3 hrs
   - INR 4006 Global Perspectives 3 hrs
   - INR 4603 International Relations Theory 3 hrs
   - POS 3703 Scope and Methods of Political Science 3 hrs
   - POS 4961 Exit Exam 0 hrs

5. Restricted Electives (18 hrs)

6. Capstone Requirements

7. Foreign Language Requirements

8. Electives

9. Additional Requirements

10. Required Minors

Students who major in International and Global Studies, and minor in Political Science, shall not count more than one course toward both programs, except for the following course.

POS 2041 American National Government 3 hrs

UNIVERSITY OF CENTRAL FLORIDA
### UCF Degree Programs

- Other minors may be substituted with the program coordinator’s approval.
- Aerospace Studies
- Anthropology in Multicultural Studies
- Asian Studies
- Diplomacy
- Diversity and Social Inequality
- Economics
- Economic Policy
- European Studies
- French
- Global Peace and Security Studies
- Human Communication
- Intelligence and National Security
- International Business
- Italian
- Latin American Area Studies
- Middle Eastern Studies
- Military Science
- Russian Studies
- Spanish
- Terrorism Studies
- World Comparative Studies

#### 11. Departmental Exit Requirements

- Students must maintain a minimum cumulative GPA of 2.0 in all courses taken in the major. If additional major courses are taken beyond the minimum required (e.g. additional restricted electives), those courses will be included in the GPA calculation.
- Complete the Educational Testing Service Field Exam in Political Science during the student’s graduating semester while enrolled in the 0 credit Exit Exam course.

#### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

### Total Semester Hours Required

- 120

#### Honors In Major

- Interested students who meet the requirements are encouraged to participate in the HIM program. Contact the department for information about the program and the HIM coordinator.

### Related Programs

- Anthropology
- Economics
- History

### Certificates

- None

### Related Minors

- Anthropology
- Anthropology in Multicultural Studies
- Diversity and Social Inequality
- Economics
- European Studies
- Global Peace and Security Studies
- History
- Philosophy
- Psychology
- Sociology
- Terrorism Studies

### Advising Notes

- None

### Transfer Notes

- Lower division courses do not substitute for upper division courses.

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Freshman Year - Fall</td>
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<tr>
<td>POS 2041</td>
<td>American National Government 3 hrs</td>
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<tr>
<td>ENC 1101</td>
<td>Composition I 3 hrs</td>
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<tr>
<td>WOH 2012</td>
<td>World Civilization I 3 hrs</td>
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<tr>
<td>GEP-Math</td>
<td>3 hrs</td>
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<tr>
<td>Foreign Language</td>
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<tr>
<td>Freshman Year - Spring</td>
<td>16 hrs</td>
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<tr>
<td>INR 2002</td>
<td>International Relations-Theory and Practice 3 hrs</td>
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<tr>
<td>WOH 2022</td>
<td>World Civilization II 3 hrs</td>
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<tr>
<td>ENC 1102</td>
<td>Composition II 3 hrs</td>
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<tr>
<td>STA 2014C</td>
<td>Principles of Statistics 3 hrs</td>
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<td>Foreign Language</td>
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<tr>
<td>Sophomore Year - Fall</td>
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<td>POS 3703</td>
<td>Scope and Methods of Political Science 3 hrs</td>
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<tr>
<td>GEO 3471</td>
<td>World Political Geography 3 hrs</td>
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<td>ECO 2013</td>
<td>Principles of Macroeconomics 3 hrs</td>
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<td>GEP</td>
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<td>CPO 3103</td>
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<td>INR 4003</td>
<td>Global Perspectives 3 hrs</td>
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<td>INR 4603</td>
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<tr>
<td>GEP</td>
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<tr>
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<tr>
<td>POS 4961</td>
<td>Exit Exam 0 hrs</td>
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</table>

### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oas.ucf.edu/al/academic_learning_compacts.htm](http://www.oas.ucf.edu/al/academic_learning_compacts.htm)

### Equipment Fees

- Part-Time Student: $5 per term
- Full-Time Student: $10 per term
Journalism (B.A.)
College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu

Email: journalism@ucf.edu
Dr. Steve Collins, Area Coordinator, steven.collins@ucf.edu
Nicholson Academic Student Services, nassc@ucf.edu
Phone: 407-823-2681

Admission Requirements
- The Journalism program is a limited access program that requires a separate application.
- Students should apply to become Journalism majors only after completing all requirements for admission.
- Admission is based on multiple factors, not strictly GPA.
- Attain an overall minimum 2.5 GPA based on a minimum of 30 credit hours of college work. NOTE: Meeting the minimum GPA does not guarantee admission because students are admitted on a space available basis.
- See a NSC advisor for additional admission criteria.
- Meet a grammar proficiency standard. Students must pass a grammar proficiency exam administered by UCF’s Testing Center unless they have AP or IB credit in English or an “A-“ or better in both of the following courses:
  ENC 1101 Composition I 3 hrs
  ENC 1102 Composition II 3 hrs

Application Deadlines:
- October 1 to be admitted the next spring term
- February 1 to be admitted the next summer term
- June 1 to be admitted the next fall term

Degree Requirements
- Students who change degree programs (other than from Journalism Pending) and select this major must adopt the most current catalog.
- The Journalism faculty strongly recommend that majors work for a student news outlet.
- Journalism majors may obtain an off-campus internship with a news organization.
- To receive credit for an internship, students must have a 2.5 GPA in their required major courses. Students with less than a 2.5 GPA will not be given academic internship credit.
- Students can enroll in a maximum of three hours of internship credit. However, the internships must be with different employers. Each internship must be approved by and supervised by a Journalism faculty advisor.
- A portfolio of representative work must be submitted to, and approved by, a faculty committee at least one semester before graduation. At least 75% of the work must be produced while at UCF.
- Co-op or internship credit cannot be used in this major without prior approval.
- Students should consult with a school advisor.
- Of the 120 hours required for graduation, a minimum of 72 hours must be taken outside of the disciplines represented within the Nicholson School of Communication.
- Of these 72 hours, 56 must be taken in the liberal arts (i.e. within the College of Arts & Humanities or the College of Sciences).
- To ensure completion within 120 hours and to comply with the 72 hour minimum rule, no more than 48 (or 51 if a GEP speech class was taken at UCF) of the 120 hours may be taken within the Nicholson School of Communication.
- Journalism majors must select their required minor or area of concentration from outside the Nicholson School of Communication to remain below the 48 credit hour school maximum.
- School residency requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Nicholson School of Communication.

The Journalism program follows the Society of Professional Journalists Code of Ethics. Students who violate the code (plagiarizing, cheating or fabricating, for example) may be removed from the program.
- All prerequisites of courses taught within the College of Sciences will be enforced.

Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   Composition: Complete both courses.
   Required ENC 1101 Composition I and 3 hrs
   Required ENC 1102 Composition II 3 hrs
   Speech: Select one of the following.
   Required SPC 1608 Fundamentals of Oral Communication or 3 hrs
   Suggested SPC 1603C Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)
   Group 1: Select a course from group 1.
   Prefer AMH 1010 U.S. History: 1492-1877 3 hrs
   Group 2: Select a course from group 2.
   Group 3: Select a third course from either group 1 or 2.

C: Mathematical Foundations (6 hrs)

Statistics-Computers:
   Suggested GCS 1060C Introduction to Computers or 3 hrs
   Suggested STA 2014C Principles of Statistics 3 hrs

Math:
   Suggested MGF 1106 Finite Mathematics or 3 hrs
   Suggested MGF 1107 Explorations in Mathematics or 3 hrs
   You may substitute a higher level math with appropriate scores on the Math Placement Exam. 3 hrs

D: Social Foundations (6 hrs)
   Group 1:
   Prefer POS 2041 American National Government 3 hrs
   Group 2: Select a listed course

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

Complete one of the following:
   SPC 1608 Fundamentals of Oral Communication or GEP 3 hrs
   SPC 1603C Fundamentals of Technical Presentations GEP 3 hrs

3. Core Requirements: Basic Level (15 hrs)
- Grammar Proficiency must be satisfied before enrolling in JOU 2100C.
- These courses may be completed before acceptance into the program.
- All courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken along with the following:

Core: Required, satisfies the CPP
   SPC 1608 Fundamentals of Oral Communication or GEP/CPP
   SPC 1603C Fundamentals of Technical Presentations GEP/CPP

Core: 15 hrs
- Must earn at least a “C” (2.0) in these courses in order to enroll in subsequent courses.
   JOU 2100C News Reporting and 3 hrs
   JOU 3904 History of American Journalism and 3 hrs
   MMC 3200 Mass Communication Law and 3 hrs
   JOU 3015 Principles of Journalism and 3 hrs
   MMC 2004 Mass Media 3 hrs
UCF Degree Programs

4. Core Requirements: Advanced Level (3 hrs)
   - These courses may be completed either before or after acceptance into the program.
   - Must earn at least a “C” (2.0) in these courses in order to enroll in subsequent courses.

Select 1:
   - MMC 4300 International Media or 3 hrs
   - MMC 4303 Hispanics in Media in the US or 3 hrs
   - Any Nicholson School advisor approved upper-division 3 hrs
   - Study Abroad course

5. Restricted Electives (19 hrs)
   - These courses can only be completed after acceptance into the program.
   - (NOTE: MAY NOT use courses in your core track as an elective; students must use a different course if they have already taken one listed as a requirement in their track).
   - All prerequisites of courses will be enforced.
   - Courses taken from Group A and Group B must total 9 hours.

Electronic News: Select the following: 10 hrs
- RTV 3301 Electronic Journalism I 3 hrs
- RTV 3304 Electronic Journalism II 3 hrs
- RTV 3321 Electronic News Gathering 4 hrs

Digital News: Select the following: 10 hrs
- JOU 3101 Advanced Reporting 3 hrs
- RTV 3321 Electronic News Gathering 4 hrs

Select 1:
   - JOU 4340C Online Journalism I or 3 hrs
   - JOU 4342C Multimedia Journalism 3 hrs

Group A: Select from the following: 6 hrs
- RTV 3301 Electronic Journalism I 3 hrs
- RTV 3304 Electronic Journalism II 3 hrs
- RTV 4591C Webcasting I 3 hrs
- RTV 4681C Television News 4 hrs
- JOU 3851 Knightly Latino: Spanish Language News 3 hrs
- JOU 3101 Advanced Reporting 3 hrs
- JOU 3130 In-Depth Reporting 3 hrs
- JOU 3184C Metro Reporting 3 hrs
- JOU 3201 Editing I 3 hrs
- JOU 3202 Editing II 3 hrs
- JOU 3310 Social Media Writing for Magazines 3 hrs
- JOU 3313C Sports Reporting 3 hrs
- JOU 3510 Magazine Publishing 3 hrs
- JOU 4340C Online Journalism I 3 hrs
- JOU 4181 Public Affairs Reporting 3 hrs
- JOU 4211C Informational Graphics 3 hrs
- JOU 4213C Page Design 3 hrs
- JOU 4300 Feature Writing 3 hrs
- JOU 4309C Critical Writing 3 hrs
- JOU 4308 Freelance Writing 3 hrs
- JOU 4341C Online Journalism II 3 hrs
- JOU 4342C Multimedia Journalism 3 hrs
- JOU 4447 Magazine Editing and Production 3 hrs
- PGY 3610C Photojournalism I 3 hrs
- PGY 3620C Photojournalism II 3 hrs
- PGY 3630 Photojournalism III 3 hrs
- JOU 4941 Internship 1 hr

Group B: Select from the following: 3 hrs
- JOU 3301 Journalism Readings 3 hrs
- MMC 2004 Mass Media 3 hrs
- MMC 3420 Mass Media Research Methods 3 hrs
- MMC 3630 Social Media as Mass Communication 3 hrs
- MMC 4263 New Media Technologies 3 hrs
- MMC 4300 International Media 3 hrs
- MMC 4602 Contemporary Media Issues 3 hrs
- RTV 3007 Development and Structure of Electronic Media and New Technology 3 hrs
- RTV 3511 Production Fundamentals and Aesthetics of Electronic Media 3 hrs
- RTV 4403 Electronic Media, Technology, and Society 3 hrs
- RTV 4503 Sports Programming in Electronic Media 3 hrs
- RTV 4505 Program Issues for TV & Motion Pictures 3 hrs
- RTV 4700 Regulation of Broadcasting 3 hrs
- RTV 4800 Broadcast Management 3 hrs
- JOU 4941 Internship 1 hr

1 May be taken for a maximum of 3 hours.

6. Capstone Requirements (4 hrs)
   - Internships must be approved in advance by the Journalism Area Coordinator

7. Electronic News:
   - RTV 4681C Television News 4 hrs

Digital News:
   - JOU 4950 Senior Capstone in Journalism 4 hrs

8. Electives
   - Select primarily from upper level courses, with school advisor’s approval. Must be from outside of the Nicholson School of Communication in order to not exceed the 41 credit hour cap. The majority of electives should be taken in the Liberal Arts and Sciences to comply with the 56 hour Liberal Arts requirement.

9. Additional Requirements
   - None

10. Required Minors
    - Journalism majors must complete an 18 hour minor in an academic area outside of the Nicholson School of Communication. When no official minor is offered, students may complete an 18-credit-hour area of concentration approved by the Area Coordinator.

11. Departmental Exit Requirements
    - Acceptance of portfolio by faculty.
    - To avoid delaying graduation, you must request a review of requirements before registering for your last term.
    - Students must achieve a minimum cumulative GPA of 2.0 in all UCF Nicholson School of Communication (NSC) courses taken in the major.
    - All attempts of UCF NSC courses that could meet major requirements are included in the major GPA calculation, including those taken beyond the minimum required (e.g. additional restricted electives).

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF.
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- English - Creative Writing
- English - Technical Communication

Certificates
- None
Junior Year - Summer
Restricted Elective Internship 3 hrs
Elective take outside of NSC 3 hrs

Senior Year - Fall
Submit Journalism Portfolio 3 hrs
Restricted Elective 3 hrs
Required 3 hrs
Restricted Elective Minor 3 hrs
Required 3 hrs
Elective take outside of NSC 3 hrs

Senior Year - Spring
Capstone 4 hrs
Elective take outside of NSC 3 hrs
Elective take outside of NSC 2 hrs
Elective 3 hrs

Program Academic Learning Compacts
Course Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oias.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $22 per term
- Full-Time Student: $44 per term

Latin American Studies (B.A.)
College of Arts and Humanities
Latin American Studies, Colbourn Hall, Room: 122
Dr. Consuelo Stebbins, Director, stebbins@ucf.edu
Donna Mercado, Advisor, Donna.Mercado@ucf.edu
Phone: 407-823-1173

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in this major without previous approval by the program director.
- Students must earn at least a "C" (2.0) in each required course.
- Students should consult with the program director or advisor.
- Program Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken at UCF.
- Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer COM 1000 Introduction to Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Suggested HUM 2020 Encountering the Humanities 3 hrs
- Suggested ARH 2050 History of Western Art I 3 hrs
- Select additional course from B.1 3 hrs

C: Mathematical Foundations (6 hrs)
- Prefer MGF 1107 Explorations in Mathematics 3 hrs
- Select one course from C.2 3 hrs

D: Social Foundations (6 hrs)
- Prefer ANT 2000 General Anthropology 3 hrs
- Prefer AMH 2020 U.S. History: 1877-Present 3 hrs

E: Science Foundations (6 hrs)
- Select 1 course from group E.1 3 hrs
- Prefer ANT 2511 The Human Species 3 hrs

2. Common Program Prerequisites (CPP)
- None

3. Core Requirements: Basic Level (3 hrs)
- LAS 3002 Topics in Latin American Studies 3 hrs

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### UCF Degree Programs

#### 4. Core Requirements: Advanced Level (9 hrs)
- LAH 3200 Modern Latin America 3 hrs
- LAS 3101 Latin American Popular Culture 3 hrs
- LAS 4023 African Caribbean Experience 3 hrs

#### 5. Restricted Electives (24 hrs)
- Select no more than nine (9) credit hours of courses within the same department.
- Note that this is not an exhaustive list of course options. Other courses with a focus on either Latin America or the Caribbean can be accepted with prior written authorization from the Program Director.

#### Anthropology
- ANT 3160 Americas Before Columbus 3 hrs
- ANT 3161 Ancient Mexico: Aztec to Zapotec 3 hrs
- ANT 3163 Mesoamerican Archaeology 3 hrs
- ANT 3164 Ancient Incas 3 hrs
- ANT 3165 Archaeology of South America 3 hrs
- ANT 3168 Maya Archaeology 3 hrs
- ANT 3319 Slavery, Resistance, and Cultural Dynamics Among African People in the Americas 3 hrs
- ANT 3330 Anthropology of the Amazon 3 hrs
- ANT 4266 Economic Anthropology: Production, Consumption, and Exchange 3 hrs
- ANT 4340 Caribbean Cultures 3 hrs
- ANT 4377 Archaeology of Caribbean Piracy 3 hrs
- ANT 4332 People and Cultures of Latin America 3 hrs

#### History
- LAH 3130 Latin American History I 3 hrs
- LAH 3400 History of Mexico and Central America 3 hrs
- LAH 3470 History of the Caribbean 3 hrs
- LAH 4136 Colonial Florida 3 hrs
- LAH 4512 Modern Argentina 3 hrs
- LAH 4461 History of Puerto Rico 3 hrs
- LAH 4480 History of Cuba 3 hrs
- LAH 4742 The Mexican Revolution 3 hrs
- LAH 4780 Poverty and Development in Latin America 3 hrs

#### Art History
- ARH 2051 History of Western Art II 3 hrs
- ARH 3670 20th Century Latin American Art 3 hrs
- ARH 3673 Modern Art of Mexico 3 hrs
- ARH 3674 Latin American Popular Visual Culture 3 hrs
- ARH 4653 Meso American Art 3 hrs

#### English
- AML 3615 Harlem, Haiti, and Havana 3 hrs
- AML 3682 Ethnic Literature in America 3 hrs
- AML 4630 Latino/Latina Literature 3 hrs
- LT 3192 Caribbean Literature 3 hrs
- LT 3381 Women Writers of Color 3 hrs
- LT 3823 Hispanic Women Writers 3 hrs
- LT 3368 Magical Realism in Literature 3 hrs

#### Humanities
- HUM 3460 Latin American Humanities 3 hrs

#### Latin American Geography and Culture
- GEA 4405 Geography of Latin America 3 hrs
- GEA 3403 Human Geography of Latin America 3 hrs
- GEA 3404 Migration Trends in Latin America 3 hrs
- GEA 3455 Geography of Brazil 3 hrs
- LAS 3220 Brazilian Culture 3 hrs

#### Politics
- CPO 3034 Politics of Developing Areas 3 hrs
- CPO 3103 Comparative Politics 3 hrs
- CPO 4074 Political Economy 3 hrs
- CPO 4794 Indigenous Politics and the Environment 3 hrs
- CPO 4303 Comparative Latin American Politics 3 hrs
- INR 4074 Immigration Policy 3 hrs
- INR 4076 Global Drug Policy 3 hrs
- INR 4243 International Politics of Latin America 3 hrs
- POS 4074 Latino Politics 3 hrs
- PUP 3314 Minorities in American Politics 3 hrs

#### Spanish and Spanish Literature
- Students can choose from the extensive listing of 3000-4000 of upper level Spanish, French, and/or Portuguese (SPN, SPW, SPT, FRE, and/or POR prefixes) courses offered by the Modern Languages Department. The student should give preference to those courses related to Latin American culture and civilization.

#### 6. Capstone Requirements (3 hrs)
- LAS 4910 LAS Capstone 3 hrs
- LAS 4949 Cooperative Education 3 hrs
- LAS 3955 Study Abroad 3 hrs
- LAS 4955 Study Abroad 3 hrs

#### 7. Foreign Language Requirements

##### Admissions
- Foreign Language Requirement: (0-11 hrs)
- LAS majors will have a proficiency equivalent to three semesters of college instruction in a single foreign language taught by the Department of Modern Languages and Literatures. Spanish or Portuguese preferred, although other Latin American languages may be acceptable with prior written consent of the LAS program director. Standardized examinations for foreign languages may be used to meet the requirement.

##### Graduation
- None

##### 8. Electives
- Variable
- Select primarily from upper level courses after meeting with the program advisor. Courses may be outside the department.

##### 9. Additional Requirements
- None

##### 10. Required Minors
- None

##### 11. Departmental Exit Requirements
- Computer Competency met by completion of LAS 3002.

##### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

#### Total Semester Hours Required
- 120

##### Honors In Major
- None

##### Related Programs
- Anthropology
- History
- Political Science
- Art - History Track
- Interdisciplinary Studies

##### Certificates
- None

##### Related Minors
- International and Global Studies
- International Business
- Journalism Studies
- Mass Communications
- Sociology
Legal Studies (B.A. / B.S.)

College of Health and Public Affairs
Department of Legal Studies,
Health and Public Affairs, Room: 343
http://www.cohpa.ucf.edu/legalstudies/index.shtml
Email: legalstudies@ucf.edu

Dr. David Slaughter, Program Coordinator
Rupert Neish II, Program Academic Advisor
Phone: 407-823-1670

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. Pre-law 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 or Bachelor of Science with a major in Legal Studies. Students who complete the Legal Studies degree are eligible to apply for The Florida Bar Registered Paralegal designation or to sit for the national paralegal certification exams.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program before transferring within the Florida College System or State University System.
- Students should consult with a departmental advisor.
- The courses designated in section 1 below may be taken at a Florida College System institution, and should usually be completed in the first 60 hours.
- 33 hours of PLA coursework must be taken at UCF.
- 2.0 in all PLA work at UCF and overall.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)
- None

3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level (18 hrs)
- All core requirements must be completed with a minimum grade of “C” (2.0) to satisfy the major.
- Students pursuing the B.A. degree must complete nine semester hours of supporting courses chosen with the approval of the student’s advisor. Students pursuing the B.S. degree must complete 15 hours of supporting courses chosen with the approval of the student’s advisor.

Upper Division Restricted Electives 21 hrs
- 21 additional hours of Legal Studies coursework selected in consultation with an advisor.

Supporting Courses 9 hrs
- Students pursuing the B.A. degree must complete nine semester hours of supporting courses chosen with the approval of the student’s advisor. Students pursuing the B.S. degree must complete 15 hours of supporting courses chosen with the approval of the student’s advisor.

University of Central Florida
UCF Degree Programs

Specializations
- Students may earn a specialization within the general program of study. The specializations do not substitute for the general legal studies degree requirements; they are earned within the general program by selecting particular courses to satisfy the legal studies restricted electives and supporting courses requirements. Students are not required to declare a specialization. The following specializations are offered:
  - A student may earn a maximum of two specializations.
Specific course requirements are available at the department office or from the student’s advisor.

6. Capstone Requirements (3 hrs)
- Capstone must be completed with a minimum grade of “C” (2.0) to satisfy the major.
- PLA 4935 Capstone: Legal Issues 3 hrs

7. Foreign Language Requirements
Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at college level. Students taking American Sign Language (ASL) to satisfy B.A. foreign language requirement must complete three semesters of ASL classes (ASL I, II and III).

8. Electives
- If students chose the following electives, they must complete them with a minimum grade of a “C” (2.0): PLA 4020, PLA 4240, PLA 4910.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Students must take a minimum of 33 hours of PLA courses at UCF. The total semester hours required is 120.
- Second Bachelor’s degree students must complete a minimum of 30 credit hours of Legal Studies (PLA) coursework after being admitted as a second degree seeking student.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- Interested students should consult with their faculty advisor.

Related Programs
- Criminal Justice
- History
- Political Science
- Public Administration
- Sociology
- Business Administration

Certificates
- Public and Professional Writing

Related Minors
- Business
- Criminal Justice
- Crime, Law, and Deviance
- Political Science
- Public Administration
- Sociology
- Writing and Rhetoric

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study

Freshman Year - Fall 14 hrs
- ENC 1101 Composition I 3 hrs
- GEP Math 3 hrs
- PAF 2102 Public Affairs Careers 2 hrs
- GEP Social 3 hrs
- GEP Science 3 hrs

Freshman Year - Spring 15 hrs
- ENC 1102 Composition II 3 hrs
- GEP Math 3 hrs
- Free Elective 3 hrs
- GEP Social 3 hrs
- GEP Cultural 3 hrs

Sophomore Year - Fall 16 hrs
- GEP Communication 3 hrs
- Free Elective 3 hrs
- GEP Social 3 hrs
- GEP Historical 3 hrs
- Foreign Language I or BS option 4 hrs

Sophomore Year - Spring 16 hrs
- PLA 3014 Law and the Legal System 3 hrs
- Free Elective 3 hrs
- Elective / Minor 3 hrs
- GEP Historical 3 hrs
- Foreign Language II or BS option 4 hrs

Junior Year - Fall 15 hrs
- PLA 3108 Legal Research 3 hrs
- PLA 3205 Civil Practice and Procedure 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs

Junior Year - Spring 15 hrs
- PLA 3155 Legal Writing 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs
- Supporting Elective 3 hrs

Senior Year - Fall 15 hrs
- PLA 3615 Property and Real Estate Law 3 hrs
- PLA 4703 Professional Ethics and Liability 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
- Internship or Restricted Elective 3 hrs

Senior Year - Spring 15 hrs
- PLA 4935 Capstone: Legal Issues 3 hrs
- Restricted Elective 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
- Internship or Restricted Elective 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm
Management (B.S.B.A.)
College of Business Administration
Department of Management,
Business Administration I, Room: 309
http://business.ucf.edu/undergraduate-programs
Phone: 407-823-5569

The management major combines theory and application, with a focus on problem solving, group projects, and case analysis. The curriculum prepares students for leadership roles in a variety of organizations, including: large and small, public and private, for profit and non-profit. The program can also accommodate students who wish to embark on their own entrepreneurial ventures. Students majoring in management should possess strong quantitative skills, enjoy problem solving, and embrace working with people. Not eligible for a double degree with another College of Business Administration major.

Admission Requirements

- Completion of the UCF General Education program and Gordon Rule, or an AA degree from a Florida College System or State University System institution, and completion of each Common Program Prerequisite course with a “C” (2.0) or better.
- Completion of the following courses at UCF or an AA degree from a Florida College System or State University System institution, and completion of each Common Program Prerequisite course with a “C” (2.0) or better.
- A student’s academic catalog year guarantees their graduation requirements, but not their admission requirements. All pre-majors are held to the current admission standards. This applies to both native and transfer students.

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students wanting to major in Management must apply for admission to the major.
- Any student receiving a business degree must complete a minimum of 30 of the 58 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- For students seeking a double major within the College of Business, a maximum of 6 hours of Required Courses for the Major or Restricted Electives may count towards another business major.
- A maximum of 6 hours of Core Requirements or Restricted Electives may count towards another degree program or minor.
- Students in the Management major must maintain a 2.75 or higher cumulative Grade Point Average in all 3000 level or higher Management (MAN) and Entrepreneurship (ENT) courses taken at UCF. Students must also maintain a 2.0 or higher cumulative GPA in all College of Business courses taken at UCF. Failure to maintain the required GPAs will result in the student being placed on Lack of Progress in the major and/or College. If a student on Lack of Progress fails to achieve the minimum required GPA in the subsequent term of enrollment, the student will be dismissed from the Management major and/or College of Business.
- A student who is dismissed may seek consideration for readmittance into the College or major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving the required GPA. Readmission is not automatic or guaranteed and as an exception to College policy is rarely granted.

UCF Degree Programs

- Students must earn a “B” or higher in MAN 3025. In addition, only grades of “C” (2.0) or higher transfer into the program and students must earn a minimum of “C” (2.0) or higher in all business courses. This includes all courses under requirements 2, 3, 4, 5 and 6 below.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   Prefer SPC 1608 Fundamentals of Oral Communication

2. UCF General Education Program (GEP) (36 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   Required CGS 2100C Computer Fundamentals for Business
   Required MAC 1105C College Algebra

3. UCF General Education Program (GEP) (36 hrs)
   C: Mathematical Foundations (6 hrs)
   Required ECO 3411 Quantitative Business Tools II

4. UCF General Education Program (GEP) (36 hrs)
   D: Social Foundations (6 hrs)
   Select 1: 3 hrs
   Prefer ECO 2013 Principles of Macroeconomics or
   Prefer ECO 2023 Principles of Microeconomics

5. UCF General Education Program (GEP) (36 hrs)
   E: Science Foundations (6 hrs)
   Select one of the following sequences of courses:
   - Students who have not completed MAC 2233 and STA 2023 with a “C” (2.0) or better must take ECO 3401.

3. Core Requirements: Basic Level
   None

4. Core Requirements: Advanced Level (43 hrs)
   Primary Core 15 hrs
   ACG 3173 Accounting for Decision-Makers 3 hrs
   ECO 3411 Quantitative Business Tools II 3 hrs
   FIN 3403 Business Finance 3 hrs
   MAN 3025 Management of Organizations 3 hrs
   MAR 3023 Marketing 3 hrs

   Secondary Core 13 hrs
   GEB 3003 Career Research & Planning 1 hr
   GEB 3005 Career Search Strategy 1 hr
   BUL 3130 Legal and Ethical Environment of Business 3 hrs
   GEB 3375 Introduction to International Business 3 hrs
   MAR 3203 Supply Chain and Operations Management 3 hrs
   GEB 4223 Business Interviewing Techniques 1 hr
   GEB 4004 Executing Your Career Plan 1 hr

   Required Courses for Major 15 hrs
   MAN 4350 Performance Management 3 hrs
   MAN 4143 Leadership Development 3 hrs
   MAN 4240 Organizations: Theory and Behavior 3 hrs
   MAN 4441 Conflict Resolution and Negotiation 3 hrs
   MAN 4046 Teamwork, Collaboration, and Group Dynamics 3 hrs

UNIVERSITY OF CENTRAL FLORIDA
5. Restricted Electives  (12 hrs)  
   Restricted Elective Courses  9 hrs  
   Select 3:  9 hrs  
   GE 4435  Moral Foundations of Business or  
   MAN 4209  Designing Dynamic Organizations or  
   MAN 3301  Strategic Human Resource Management or  
   MAN 4320  Human Resources Recruitment and  
   Selection or  
   MAN 4329  Business Analytics in Human Resource Management or  
   Any MAN or ENT course  3 hrs  

   Business Elective  3 hrs  
   Choose any upper level business course  3 hrs  

6. Capstone Requirements  (3 hrs)  
   Admitted to a Business major, senior standing, and completion of MAN 3025, MAR 3023, FIN 3403, ECO 3411, and ACG 3173 or ACG 3131 are required to register for MAN 4720.  
   MAN 4720  Strategic Management  3 hrs  

7. Foreign Language Requirements  
   Admissions  
   Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.  
   Graduation  
   None  

8. Electives  
   Variable  

9. Additional Requirements  
   None  

10. Required Minors  
   None  

11. Departmental Exit Requirements  
   A minimum major GPA of 2.75 and a minimum College of Business GPA of 2.0.  

12. University Minimum Exit Requirements  
   A 2.0 UCF GPA  
   60 semester hours earned after CLEP awarded  
   48 semester hours of upper division credit completed  
   30 of the last 39 hours of course work must be completed in residency at UCF.  
   A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.  
   Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.  

Total Semester Hours Required  
   120  

   Honors In Major  
   Eligibility: Requirements for admission to the Honors in the Major program are: completion of at least 60 credit hours, completion of at least 12 upper division hours, at least a 3.5 GPA in the major, at least a 3.2 upper-division GPA, and at least two semesters remaining prior to graduation.  
   Admission: Application for admission to the Honors in the Major program must be approved by both the Chair of the Management Department and Associate Dean of the Honors College plus the payment of $25.00 one-time membership dues.  
   Requirements: Students accepted into the Honors in the Major program must complete two honors courses (total of 6 credit hours) as follows:  
   Honors in Major Credit Requirements  6 hrs  
   Required Honors Reading Course  3 hrs  
   MAN 4903H  Honors Directed Reading I or  
   MAN 4904H  Honors Directed Reading II  
   Required Honors Thesis  3 hrs  
   MAN 4970H  Undergraduate Honors Thesis  3 hrs  

   Related Programs  
   None  

Certificates  
   None  

Related Minors  
   None  

Advising Notes  
   Florida College System students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.  
   Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.  

Transfer Notes  
   Lower division courses do not substitute for upper division courses.  
   Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.  
   Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF, Business students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.  
   Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.  
   Any student receiving a business degree must complete a minimum of 30 of the 58 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.  

Acceptable Substitutes for Transfer Courses  
   None  

Plan of Study  
   General electives as required to earn 120 credit hours.  

Freshman Year - Fall  
   ENC 1101  Composition I  3 hrs  
   MAC 1105C  College Algebra  3 hrs  
   ECO 2023  Principles of Macroeconomics 3 hrs  
   Cultural Foundation I  3 hrs  
   Elective  3 hrs  

Freshman Year - Spring  
   ENC 1102  Composition II  3 hrs  
   ECO 2023  Principles of Microeconomics 3 hrs  
   Social Foundation  3 hrs  
   Elective  3 hrs  
   Elective  3 hrs  

Sophomore Year - Fall  
   ACG 2021  Principles of Financial Accounting  3 hrs  
   SPC 1608  Fundamentals of Oral Communication  3 hrs  
   Science  3 hrs  
   Historical Foundation I  3 hrs  
   Elective  3 hrs  

Sophomore Year - Spring  
   ACG 2071  Principles of Managerial Accounting  3 hrs  
   ECO 3401  Quantitative Business Tools I  3 hrs  
   CGS 2100C  Computer Fundamentals for Business  3 hrs  
   Historical Foundation II  3 hrs  
   Science  3 hrs  

UNIVERSITY OF CENTRAL FLORIDA
### Junior Year - Fall

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<tr>
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<tr>
<td>ACG 3173</td>
<td>Accounting for Decision-Makers</td>
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<tr>
<td>ECO 3411</td>
<td>Quantitative Business Tools</td>
<td>3</td>
</tr>
<tr>
<td>MAN 3025</td>
<td>Management of Organizations</td>
<td>3</td>
</tr>
<tr>
<td>MAR 3023</td>
<td>Marketing</td>
<td>3</td>
</tr>
<tr>
<td>FIN 3403</td>
<td>Business Finance</td>
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<tr>
<td>GEB 3003</td>
<td>Career Research &amp; Planning</td>
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### Junior Year - Spring

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<td>MAN 4240</td>
<td>Organizations: Theory and Behavior</td>
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<tr>
<td>MAN 4441</td>
<td>Conflict Resolution and Negotiation</td>
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<td>GEB 3005</td>
<td>Career Search Strategy</td>
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<td>GEB 3375</td>
<td>Introduction to International Business</td>
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<td>MAN Elective</td>
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### Senior Year - Fall

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<tr>
<td>MAN 4350</td>
<td>Performance Management</td>
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<tr>
<td>MAN 4143</td>
<td>Leadership Development</td>
<td>3</td>
</tr>
<tr>
<td>BUL 3130</td>
<td>Legal and Ethical Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>GEB 4223</td>
<td>Business Interviewing Techniques</td>
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<td>MAN elective</td>
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### Senior Year - Spring

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<tr>
<td>MAN 4046</td>
<td>Teamwork, Collaboration, and Group Dynamics</td>
<td>3</td>
</tr>
<tr>
<td>MAR 3203</td>
<td>Supply Chain and Operations Management</td>
<td>3</td>
</tr>
<tr>
<td>MAN 4720</td>
<td>Strategic Management</td>
<td>3</td>
</tr>
<tr>
<td>GEB 4004</td>
<td>Executing Your Career Plan</td>
<td>1</td>
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<tr>
<td>MAN Elective</td>
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</tbody>
</table>

### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oees.ucf.edu/alc/academic_learning_compacts.htm](http://www.oees.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees

- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

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### Marketing (B.S.B.A.)

**College of Business Administration**

**Department of Marketing,**

**Business Administration II, Room: 307S**


Phone: 407-823-2108

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Students interested in majoring in marketing have two options: the marketing management track or the professional selling track. The marketing management track provides students with the knowledge and skills necessary to excel in entry-level positions in marketing management, product/brand management, or positions in retail, sales, market research, or promotion. The professional selling track prepares students for positions in B-to-B selling, with the potential to advance into either sales management or marketing management. Not eligible for a double degree with another College of Business Administration major.

### Admission Requirements

- Completion of the UCF General Education program and Gordon Rule, or an AA degree from a Florida College System or State University System institution, and completion of each Common Program Prerequisite course with a “C” (2.0) or better.
- Completion of the following courses at UCF or at an AACSB accredited institution: ECO 3411, MAR 3023, FIN 3403, MAN 3025, and ACG 3173, with a GPA of at least 3.0, a grade of at least “B” (3.0) in MAR 3023, and no grade below a “C” (2.0). One course may be repeated one time in the next term of enrollment to meet these requirements.
- See Common Program Prerequisites

### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students wanting to major in Marketing must apply for admission to the major.
- Any student receiving a business degree must complete a minimum of 30 of the 58 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- For students seeking a double major within the College of Business, a maximum of 6 hours of Required Courses for the Major or Restricted Electives may count towards another business major.
- A maximum of 6 hours of Core Requirements or Restricted Electives may count towards another degree program or minor.
- Students in the Marketing major must maintain a 2.75 or higher cumulative Grade Point Average in all 3000 level or higher Marketing courses and a 2.0 or higher cumulative GPA in all College of Business courses taken at UCF.
- Failure to maintain the required GPAs will result in the student being placed on Lack of Progress in the major and/or College. If a student on Lack of Progress fails to achieve the minimum required GPA in the subsequent term, the student will be dropped as a Marketing major and/or College of Business student. A student who is dropped may seek re-admittance into the College or major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving the required GPA. Readmission is not automatic or guaranteed and as an exception to College policy is rarely granted.
- Students must earn a “B” or higher in MAR 3023. In addition, only grades of “C” (2.0) or higher transfer into the program and students must earn a minimum of “C” (2.0) or higher in all business courses. This includes all courses under requirements 2, 3, 4, 5 and 6 below.

1. **UCF General Education Program (GEP)** (36 hrs)
   - **A: Communication Foundations** (9 hrs)
     - Prefer SPC 1608 Principles of Oral Communication
   - **B: Cultural & Historical Foundations** (9 hrs)
   - **C: Mathematical Foundations** (6 hrs)
   - Required CGS 2100C Computer Fundamentals for Business
   - Required MAC 1105C College Algebra
   - **D: Social Foundations** (6 hrs)
   - Select 1: (3 hrs)
     - Prefer ECO 2013 Principles of Macroeconomics
     - Prefer ECO 2023 Principles of Microeconomics
   - **Select 1:** (3 hrs)
     - Suggested PSY 2012 General Psychology
     - Suggested ANT 2000 General Anthropology
     - Suggested SYG 2000 Introduction to Sociology
   - **E: Science Foundations** (6 hrs)
   - **2. Common Program Prerequisites (CPP)** (18 hrs)
   - Must be completed with a “C” (2.0) or better
     - ACG 2021 Principles of Financial Accounting
     - ACG 2071 Principles of Managerial Accounting
     - CGS 2100C Computer Fundamentals for Business
     - ECO 2013 Principles of Macroeconomics
     - ECO 2023 Principles of Microeconomics
   - **Select one of the following sequences of courses:**
     - Students who have not completed both MAC 2233 and STA 2023 with a “C” (2.0) or better must take ECO 3401.
       - ECO 3401 Quantitative Business Tools I
       - 1 MAC 2233 Concepts of Calculus and
       - STA 2023 Statistical Methods I
       - Or need to take STA 2023 Statistical Methods I

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1 Or MAC 2311 and MAC 2312
3. Core Requirements: Basic Level
■ None

4. Core Requirements: Advanced Level (55 hrs)
■ Primary Core 15 hrs
ACG 3173 Accounting for Decision-Makers 3 hrs
ECO 3411 Quantitative Business Tools II 3 hrs
FIN 3403 Business Finance 3 hrs
MAN 3025 Management of Organizations 3 hrs
MAR 3023 Marketing 3 hrs

■ Secondary Core 13 hrs
GBE 3003 Career Research & Planning 1 hr
GBE 3005 Career Search Strategy 1 hr
BUL 3130 Legal and Ethical Environment of Business 3 hrs
GBE 3375 Introduction to International Business 3 hrs
MAR 3203 Supply Chain and Operations Management 3 hrs
GRE 4223 Business Interviewing Techniques 1 hr
GBE 4004 Executing Your Career Plan 1 hr

Required Courses for Major
Marketing Management Track: Required 24 hrs
MAR 3615 Marketing Analysis 3 hrs
MAR 3391 Professional Selling 3 hrs
MAR 3503 Consumer Behavior 3 hrs
MAR 3613 Marketing Research 3 hrs
MAR 3721 Digital Media Marketing 3 hrs
MAR 4532 Product Management 3 hrs
MAR 4504 Marketing Strategy 3 hrs
MAR 4518 Strategic Sales Force Management 3 hrs

Marketing Management Track: Electives 3 hrs
Select 1: 3 hrs
MAR 4841 Services Marketing or
MAR 4941 Marketing Internship 3 hrs

OR Professional Selling Track: Required 27 hrs
■ Admission by department approval: Applicants restricted to declared marketing majors or other business majors who meet all GPA requirements for admission to the marketing major. Requires submission of application by May 1. Department faculty committee will select professional selling track participants based on academic achievement, work experience, outside activities and leadership positions, and responses to questions on the application form and in interviews. Must have earned a grade of "B-" (2.75) or higher in the following course to apply:
MAR 3391 Professional Selling 3 hrs

Take all of the following:
MAR 3615 Marketing Analysis 3 hrs
MAR 3391 Professional Selling 3 hrs
MAR 3503 Consumer Behavior 3 hrs
MAR 3613 Marketing Research 3 hrs
MAR 3721 Digital Media Marketing 3 hrs
MAR 4418 Strategic Sales Force Management 3 hrs
MAR 4804 Marketing Strategy 3 hrs
MAR 4415C Advanced Professional Selling 3 hrs
MAR 4413C Strategic Issues in Sales 3 hrs

5. Restricted Electives
■ None

6. Capstone Requirements (3 hrs)
■ Admitted to a Business major, senior standing, and completion of MAN 3025, MAR 3023, FIN 3403, ECO 3411, and ACG 3173 or ACG 3131 are required to register for MAN 4720.
MAN 4720 Strategic Management 3 hrs

7. Foreign Language Requirements
Admissions
■ Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
■ None

8. Electives
■ Variable

9. Additional Requirements
■ None

10. Required Minors
■ None

11. Departmental Exit Requirements
■ A minimum major GPA of 2.75 and a minimum College of Business GPA of 2.0.

12. University Minimum Exit Requirements
■ A 2.0 UCF GPA
■ 60 semester hours earned after CLEP awarded
■ 48 semester hours of upper division credit completed
■ 30 of the last 39 hours of course work must be completed in residency at UCF.
■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
■ Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
■ 120

Honors In Major
■ Eligibility: Requirements for admission to the Honors in the Major program are: completion of at least 60 credit hours, completion of at least 12 upper division hours, at least a 3.5 GPA in the major, at least a 3.2 upper-division GPA, and at least two semesters remaining prior to graduation.
■ Admission: Application for admission to the Honors in the Major program must be approved by both the Chair of the Marketing Department and Associate Dean of the Honors College plus the payment of $25.00 one-time membership dues.
■ Requirements: Students accepted into the Honors in the Major program must complete two honors courses (total of 6 credit hours) as follows:
Honors In Major Credit Requirements
Required Honors Reading Course
MAR 4903H Honors Directed Reading I 3 hrs

Required Honors Thesis
MAR 4970H Undergraduate Honors Thesis 3 hrs

Related Programs
■ None

Certificates
■ None

Related Minors
■ Marketing
■ Professional Selling

Advising Notes
■ Florida College System students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
■ Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

Transfer Notes
■ Lower division courses do not substitute for upper division courses.
■ Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
■ Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, can take Quantitative Business Tools I.
Subject to the general grade and residence requirements, credit will be granted for transferred courses work equivalent to that required in the UCF Business program. Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class, and all prerequisites to marketing courses.

Any student receiving a business degree must complete a minimum of 30 of the 56 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.

Acceptable Substitutes for Transfer Courses

None

Plan of Study

General electives as required to earn 120 credit hours.

Freshman Year - Fall 15 hrs
ENC 1101 Composition I 3 hrs
MAC 1105C College Algebra 3 hrs
ECO 2013 Principles of Macroeconomics 3 hrs
GEP 2101 Social Science 3 hrs
Elective 3 hrs

Freshman Year - Spring 15 hrs
ENC 1102 Composition II 3 hrs
ECO 2023 Principles of Microeconomics 3 hrs
Soc 1001 Historical Foundation I 3 hrs
Social Foundation I 3 hrs
Elective 3 hrs

Sophomore Year - Fall 15 hrs
ACG 2011 Principles of Financial Accounting 3 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs
GEP 2105A Science 3 hrs
GEP 2106A Science 3 hrs
Elective 3 hrs

Sophomore Year - Spring 15 hrs
ACG 2071 Principles of Managerial Accounting 3 hrs
ECO 3401 Quantitative Business Tools I 3 hrs
CIS 2100C Computer Fundamentals for Business 3 hrs
GEP 2102A Social Foundations 3 hrs

Junior Year - Fall 16 hrs
ACG 3173 Accounting for Decision-Makers 3 hrs
ECO 3411 Quantitative Business Tools II 3 hrs
MAN 3025 Management of Organizations 3 hrs
MAC 2313 Calculus with Analytic Geometry III 4 hrs

Junior Year - Spring 15 hrs
GEB 3375 Introduction to International Business 3 hrs
MAR 3391 Professional Selling 3 hrs
MAR 3903 Consumer Behavior 3 hrs
MAR 3615 Marketing Analysis 3 hrs
GEB 3005 Career Search Strategy 1 hr

Marketing: Marketing Management Track
Senior Year - Fall 16 hrs
BUL 3130 Legal and Ethical Environment of Business 3 hrs
MAR 3721 Digital Media Marketing 3 hrs
MAR 4415 Advanced Professional Selling 3 hrs
MAR 4418 Strategic Sales Force Management 3 hrs
MAR 3203 Supply Chain and Operations Management 3 hrs
GEB 4223 Business Interviewing Techniques 1 hr

Senior Year - Spring 13 hrs
MAN 4720 Strategic Management 3 hrs
MAR 4804 Marketing Strategy 3 hrs
MAR 4832 Product Management 3 hrs
Marketing Elective 3 hrs
GEB 4004 Executing Your Career Plan 1 hr

Marketing: Professional Selling Track
Senior Year - Fall 16 hrs
BUL 3130 Legal and Ethical Environment of Business 3 hrs
MAR 3721 Digital Media Marketing 3 hrs
MAR 4415 Advanced Professional Selling 3 hrs
MAR 4418 Strategic Sales Force Management 3 hrs
MAR 3613 Marketing Research 3 hrs
GEB 4223 Business Interviewing Techniques 1 hr

Senior Year - Spring 13 hrs
MAR 4413C Strategic Issues in Sales 3 hrs
MAR 3203 Supply Chain and Operations Management 3 hrs
MAN 4720 Strategic Management 3 hrs
GEB 4004 Executing Your Career Plan 1 hr

Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oead.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

Part-Time Student: $15 per term
Full-Time Student: $30 per term

Mathematics (B.S.)

Department of Mathematics,
Mathematical Sciences Building, Room: 207
http://math.ucf.edu
Dr. Joseph Brennan, MSB 212, Joseph.Brennan@ucf.edu,
407-823-0147

Admission Requirements

None

Degree Requirements

Students who change degree programs and select this major must adopt the most current catalog.
Departmental Residency Requirement: at least 24 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Mathematics Department.
Students must earn at least a “C” (2.0) in each course used to satisfy a requirement.
Students must achieve a minimum cumulative GPA of 2.0 in all courses satisfying major requirements.
Co-op or internship credit cannot be used in this major.
Students should consult with a departmental advisor.
All prerequisites of courses taught within the College of Sciences will be enforced.
Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
All mathematics courses, except the following, must be either taken from, or approved by, the Department of Mathematics at UCF:
MAC 2311C Calculus with Analytic Geometry I 4 hrs
MAC 2312 Calculus with Analytic Geometry II 4 hrs
MAC 2313 Calculus with Analytic Geometry III 4 hrs
MAP 2302 Ordinary Differential Equations I 3 hrs

Note: the following courses will not satisfy any Math degree requirements:
MTG 4212 Modern Geometries 4 hrs
MHF 4404 History of Mathematics 3 hrs

1. UCF General Education Program (GEP) (38 hrs)
(Note: Certain courses must be selected for this major, bringing GEP hours above 36)
Some concentrations require particular selections of courses in the GEP program. Please consult the desired concentration listed below.

A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
## UCF Degree Programs

### C: Mathematical Foundations
- **Required**
  - MAC 2311C: Calculus with Analytic Geometry I 4 hrs
  - COP 3502C: Computer Science I 3 hrs

### D: Social Foundations
- **Required**
  - ECO 2023: Principles of Microeconomics 3 hrs

### 2. Select a course listed in GEP Program
- **Core Requirements: Basic Level**
  - **(22 hrs)**
    - **Select one:**
      - Suggested
        - PHY 2048C: General Physics Using Calculus I 4 hrs
        - CHM 2045C: Chemistry Fundamentals I 4 hrs

### E: Science Foundations
- **(8 hrs)**
  - **Select one:**
    - Suggested
      - PHY 2048C: General Physics Using Calculus I 4 hrs

### AND
- **Suggested**
  - BSC 2010C: Biology I 4 hrs

### 2. Common Program Prerequisites (CPP)
- **(11 hrs)**
  - **See “Common Prerequisites” in the Transfer and Transitions Services section for more information.**
  - **See Transfer Notes for possible substitutions of certain courses.**
  - **COP 3502C:** Computer Science I GEP
  - **MAC 2311C:** Calculus with Analytic Geometry I GEP
  - **MAC 2312:** Calculus with Analytic Geometry II 4 hrs
  - **MAC 2313:** Calculus with Analytic Geometry III 4 hrs
  - **MAP 2302:** Ordinary Differential Equations I 3 hrs

### Select from the courses listed in the GEP Program
- **4 hrs**

### 3. Core Requirements: Advanced Level
- **(22 hrs)**
  - **All courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.**
  - **Selection of the Science sequence may need to reflect the student’s track. Consult the requirements of the track before selecting the science sequence.**
  - **The Mathematical Biology track requires all three of the CHM 2045C/2046/2047, the BSC 2010C/2011C, and the PHY 2048C/2049C sequences.**
  - **The Engineering/Physics track requires the PHY 2048C/2049C sequence.**

### Core: Basic Requirements
- **COP 3502C:** Computer Science I and GEP/CPP
- **MAC 2311C:** Calculus with Analytic Geometry I and GEP/CPP
- **MAC 2312:** Calculus with Analytic Geometry II and CPP
- **MAC 2313:** Calculus with Analytic Geometry III and CPP
- **MAP 2302:** Ordinary Differential Equations I and CPP

### Core: Science Sequence
- **Select from the following**
  - **4 hrs**
    - Suggested
      - CHM 2045C: Chemistry Fundamentals I and GEP/CPP
      - CHM 2046: Chemistry Fundamentals II and GEP/CPP
      - CHM 2046L: Chemistry Fundamentals Laboratory 1 hr
    - **Or -**
      - BSC 2010C: Biology I and GEP/CPP
      - BSC 2011C: Biology II GEP/CPP
    - **Or -**
      - PHY 2048C: General Physics Using Calculus I and GEP/CPP
      - PHY 2049C: General Physics Using Calculus II 4 hrs

### Core: Additional Requirements
- **(18 hrs)**
  - **Substitution of COT 3100 for MHF 3302 is possible with approval of Department Undergraduate Coordinator.**
  - **MAC 4226:** Advanced Calculus I 4 hrs
  - **MAS 3105:** Matrix and Linear Algebra 4 hrs
  - **MAS 3106:** Linear Algebra 4 hrs
  - **MAS 4301:** Abstract Algebra I 3 hrs
  - **MHF 3302:** Logic and Proof in Mathematics 3 hrs

### 4. Core Requirements: Advanced Level
- **None**

### 5. Restricted Electives
- **Students must select one of the following tracks.**

#### A. General Mathematics Track
- **18 hrs**
  - **Select 3 credit hour from 4000 or 5000 level courses**
    - with an MAP or MAT prefix offered by the Department of Mathematics
  - **Select 3 credit hour from 4000 or 5000 level courses**
    - with an MAA, MAD, MAS or MTG prefix offered by the Department of Mathematics, except MTG 4212.
  - **Select an additional 12 credits from 4000 or 5000 level courses**
    - offered by the Department of Mathematics except MTG 4212 or MHF 4404.

#### B. Mathematical Biology Track
- **42 hrs**
  - **Track Prerequisites:**
    - BSC 2010C GEP/CPP and BSC 2011C CPP and CHM 2045C GEP (Notes: or the two semester equivalent CHM 2040/2041)
    - CHM 2046: Chemistry Fundamentals II and GEP/CPP
    - MAP 2302: Ordinary Differential Equations I and CPP
    - PHY 2048C: General Physics Using Calculus I and 4 hrs
  - **Take all of the following:**
    - CHM 2210: Organic Chemistry I and GEP/CPP 3 hrs
    - CHM 2211: Organic Chemistry II and GEP/CPP 4 hrs
    - MAP 4484: Mathematical Biology I and GEP/CPP 3 hrs
    - STA 2023: Statistical Methods I and GEP/CPP 3 hrs
    - STA 4321: Statistical Theory I and GEP/CPP 3 hrs
    - STA 4322: Statistical Theory II and GEP/CPP 3 hrs
    - Any 4000 or 5000 level course with an MAP or MAT prefix offered by the Department of Mathematics and GEP/CPP 3 hrs
    - Any 4000 or 5000 level course with an MAA, MAD, MAS or MTG prefix offered by the Department of Mathematics except MTG 4212 and 9 hrs
  - **Select 9 credit hours from lecture courses listed in the restricted electives within the Biology and/or Biomedical Sciences programs.**

#### C. Mathematical Economics Track
- **36 hrs**
  - **Track Prerequisites:**
    - ECO 2023: Principles of Microeconomics (GEP)
  - **Take all of the following:**
    - ECO 2013: Principles of Macroeconomics and GEP/CPP 3 hrs
    - ECO 3101: Intermediate Microeconomics and GEP/CPP 3 hrs
    - ECO 3203: Intermediate Macroeconomics and GEP/CPP 3 hrs
    - ECO 3410: Mathematical Economics and GEP/CPP 3 hrs
    - ECO 4412: Econometrics and GEP/CPP 3 hrs
    - MAP 4113: Probability, Random Processes and Applications and GEP/CPP 3 hrs
    - MAP 4640: Financial Mathematics and GEP/CPP 3 hrs
    - STA 2023: Statistical Methods I and GEP/CPP 3 hrs
    - STA 4321: Statistical Theory I and GEP/CPP 3 hrs
    - STA 4322: Statistical Theory II and GEP/CPP 3 hrs
    - Select 3 credit hours from 4000 or 5000 level courses with an MAA, MAD MAS or MTG prefix offered by the Department of Mathematics except MTG 4212 and 3 hrs

### D. Computational Track
- **39 hrs**
  - **Track Prerequisites:**
    - COP 3502C: Computer Science I (GEP)
  - **Take all of the following:**
    - COP 3503C: Computer Science II and GEP/CPP 3 hrs
    - MAP 3403: Ordinary Differential Equations II and GEP/CPP 3 hrs
    - MAP 4341: Introduction to Partial Differential Equations and GEP/CPP 3 hrs
### E. Engineering/Physics Track

**Track Prerequisites:**

- PHY 2048C Physics for Engineers & Scientists I (GEP/CPP) or PHY 2049C Physics for Engineers and Scientists II (CPP)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>COP 3402</td>
<td>Systems Software or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 4052</td>
<td>Programming Languages I or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COT 4210</td>
<td>Discrete Structures II or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 4331C</td>
<td>Processes for Object-Oriented Software Development or</td>
<td>3 hrs</td>
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<tr>
<td>COP 4600</td>
<td>Operating Systems or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 4768</td>
<td>Computer Architecture</td>
<td>3 hrs</td>
</tr>
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**And select 9 credit hours from the following:**

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<tr>
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<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>EEL 4750</td>
<td>Digital Signal Processing Fundamentals or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 4742C</td>
<td>Embedded Systems or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>EEL 3801C</td>
<td>Computer Organization or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 4742C</td>
<td>Embedded Systems or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>EEL 4750</td>
<td>Digital Signal Processing Fundamentals or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EAS 4505</td>
<td>Heat Transfer or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 4225</td>
<td>Introduction to Vibrations and Controls or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 4313</td>
<td>Intermediate System Dynamics and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 4703</td>
<td>Fluid Mechanics II or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENV 4561</td>
<td>Advanced Environmental Engineering</td>
<td>3 hrs</td>
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<tr>
<td>ESI 4234</td>
<td>Quality Engineering or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ESI 4523</td>
<td>Systems Simulation or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 3323</td>
<td>Electricity and Magnetism I or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 4324</td>
<td>Electricity and Magnetism II or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 4321</td>
<td>Statistical Theory I or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 4322</td>
<td>Statistical Theory II</td>
<td>3 hrs</td>
</tr>
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Select 1:

- **3 hrs**

**Take all of the following courses:**

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<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 3321</td>
<td>Engineering Analysis-Dynamics and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAA 4402</td>
<td>Introduction to Complex Variables and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAP 4103</td>
<td>Mathematical Modeling I and</td>
<td>3 hrs</td>
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<tr>
<td>MAP 4303</td>
<td>Ordinary Differential Equations II and</td>
<td>3 hrs</td>
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<tr>
<td>MAP 4341</td>
<td>Introduction to Partial Differential Equations and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 3101</td>
<td>General Physics Using Calculus III</td>
<td>3 hrs</td>
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</table>

Select 1:

- **3 hrs**

Select 1:

- **3 hrs**

Select 1:

- **3 hrs**

Select at least 6 hours:

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<thead>
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<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CES 4100C</td>
<td>Structural Analysis I and Lab or</td>
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<tr>
<td>EAS 3101</td>
<td>Fundamentals of Aerodynamics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 3004C</td>
<td>Electrical Networks or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGM 3601</td>
<td>Solid Mechanics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGM 3531C</td>
<td>Mechanics of Materials or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ESI 4312</td>
<td>Operations Research or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 4604</td>
<td>Wave Mechanics I or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 4605</td>
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Select at least 6 hours:

<table>
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<tbody>
<tr>
<td>CWR 3201</td>
<td>Engineering Fluid Mechanics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EAS 4105</td>
<td>Flight Mechanics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EAS 4200</td>
<td>Analysis &amp; Design of Aerospace Structures or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EAS 4400</td>
<td>Spacecraft Attitude Dynamics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EAS 4505</td>
<td>Orbital Mechanics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEE 3342C</td>
<td>Digital Systems or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 3470</td>
<td>Electromagnetic Fields or</td>
<td>3 hrs</td>
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<tr>
<td>EEL 3552C</td>
<td>Analog and Digital Communication Fundamentals or</td>
<td>4 hrs</td>
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<tr>
<td>EEL 3657</td>
<td>Linear Control Systems or</td>
<td>3 hrs</td>
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<tr>
<td>EEL 3801C</td>
<td>Computer Organization or</td>
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<tr>
<td>EEL 4742C</td>
<td>Embedded Systems or</td>
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<tr>
<td>EEL 4750</td>
<td>Digital Signal Processing Fundamentals or</td>
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<tr>
<td>EEL 4832</td>
<td>Engineering Applications of Computer Methods or</td>
<td>3 hrs</td>
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<tr>
<td>EEL 4851C</td>
<td>Engineering Data Structures or</td>
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<td>EGM 3365</td>
<td>Structure and Properties of Materials or</td>
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<td>EGN 3613</td>
<td>Engineering Economic Analysis or</td>
<td>2 hrs</td>
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<td>EIN 4333</td>
<td>Production and Distribution Systems or</td>
<td>3 hrs</td>
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<td>Fundamentals of Mechanical Behavior of Materials or</td>
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<td>EML 3701</td>
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<td>EML 4142</td>
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<tr>
<td>MAD 4203</td>
<td>Introduction to Combinatorics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAD 4301</td>
<td>Introduction to Graph Theory</td>
<td>3 hrs</td>
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</tbody>
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### 6. Capstone Requirements

- None

### 7. Foreign Language Requirements

- Admissions
  - Two years high school or one year college language (or equivalent proficiency exam) prior to graduation.

- Graduation
  - None

### 8. Electives

- Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.

### 9. Additional Requirements

- None

### 10. Required Minors

- None

### 11. Departmental Exit Requirements

- Earn a grade of “C” (2.0) or better in each course used to satisfy the degree program.
- Students must achieve a minimum cumulative GPA of 2.0 in all courses satisfying major requirements.
- Participate in an exit interview.
- Fulfill Exit Examination requirement.

### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

### Total Semester Hours Required

- 120

- Honors In Major
  - Application and admission through the Department and the Burnett Honors College.
  - Fulfill University requirements for Honors in the Major.

- Related Programs
  - Aerospace Engineering
  - Biology
  - Biomedical Sciences
  - Chemistry
  - Computer Science
  - Economics
  - Electrical Engineering
### UCF Degree Programs

- Industrial Engineering
- Mathematics Education
- Mechanical Engineering
- Physics
- Statistics

#### Certificates
- None

#### Related Minors
- Actuarial Science
- Bioengineering
- Biology
- Biomedical Sciences
- Chemistry
- Computer Science
- Economics
- Education
- Environmental Studies
- Information Technology
- Mathematics
- Mathematics Education
- Physics
- Statistics
- Technological Entrepreneurship

#### Advising Notes
- Students with adequate preparation can consult with the department undergraduate advisor on substituting graduate classes for departmental electives.

#### Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

#### Acceptable Substitutes for Transfer Courses
- The following substitutions are acceptable for common program prerequisites if taken as part of the AA course work prior to transferring to UCF:
  - Computer Programming: may use any programming course with a COP prefix.
  - Laboratory Science: may use any GLY, PHY, CHM or BSC course with a lab designed for science majors; however, the biology, chemistry and physics classes are core requirements and still must be taken.

#### Plan of Study
- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.
- Prior to enrolling in Chemistry, take Chemistry Placement Test ~ http://knightsource.sdes.ucf.edu/placement
- Prior to enrolling in Math, take Math Placement Test ~ http://knightsource.sdes.ucf.edu
- Below Plan of Study designed to pursue graduate study.

#### Freshman Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 2311C</td>
<td>Calculus with Analytic Geometry I</td>
<td>4</td>
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<tr>
<td>ENC 1101</td>
<td>Composition I</td>
<td>3</td>
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<tr>
<td>BSC 2010C</td>
<td>Biology I</td>
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<tr>
<td>ECO 2023</td>
<td>Principles of Microeconomics</td>
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<tr>
<td>EUH 2000</td>
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#### Freshman Year - Spring

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<tbody>
<tr>
<td>MAC 2312</td>
<td>Calculus with Analytic Geometry II</td>
<td>4</td>
</tr>
<tr>
<td>MHF 3302</td>
<td>Logic and Proof in Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>Composition II</td>
<td>3</td>
</tr>
<tr>
<td>EUH 2001</td>
<td>Western Civilization II</td>
<td>3</td>
</tr>
<tr>
<td>PHI 2010</td>
<td>Introduction to Philosophy</td>
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#### Sophomore Year - Fall

<table>
<thead>
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<th>Course</th>
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<th>Hours</th>
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<tbody>
<tr>
<td>MAC 2313</td>
<td>Calculus with Analytic Geometry III</td>
<td>4</td>
</tr>
<tr>
<td>MAS 3105</td>
<td>Matrix and Linear Algebra</td>
<td>4</td>
</tr>
<tr>
<td>COP 3502C</td>
<td>Computer Science I</td>
<td>3</td>
</tr>
<tr>
<td>PHY 2048C</td>
<td>General Physics Using Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>SPC 1603C</td>
<td>Fundamentals of Technical Presentations</td>
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#### Sophomore Year - Spring

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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>MAP 2302</td>
<td>Ordinary Differential Equations I</td>
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</tr>
<tr>
<td>MAS 3106</td>
<td>Linear Algebra</td>
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<td>PHY 2049C</td>
<td>General Physics Using Calculus II</td>
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<td>PSY 2012</td>
<td>General Psychology</td>
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#### Junior Year - Fall

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<thead>
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<th>Course</th>
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<tbody>
<tr>
<td>MAD 4203</td>
<td>Introduction to Combinatorics</td>
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<tr>
<td>MAP 4303</td>
<td>Ordinary Differential Equations II</td>
<td>3</td>
</tr>
<tr>
<td>MAP 4384</td>
<td>Numerical Methods for Computational Sciences</td>
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#### Junior Year - Spring

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<th>Course</th>
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<tbody>
<tr>
<td>MAD 4301</td>
<td>Introduction to Graph Theory</td>
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</tr>
<tr>
<td>MAA 4402</td>
<td>Introduction to Complex Variables</td>
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<tr>
<td>MAP 4371</td>
<td>Numerical Methods for Differential Equations</td>
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<td>Elective</td>
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#### Senior Year - Fall

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<th>Course</th>
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<th>Hours</th>
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<tbody>
<tr>
<td>MAA 4226</td>
<td>Advanced Calculus I</td>
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<tr>
<td>MAP 4153</td>
<td>Vector and Tensor Analysis</td>
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</tr>
<tr>
<td>MAP 4341</td>
<td>Introduction to Partial Differential Equations</td>
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</tr>
<tr>
<td>MAP 4903H</td>
<td>Honors Directed Reading I</td>
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</tr>
<tr>
<td>MAS 4301</td>
<td>Abstract Algebra I</td>
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</table>

#### Senior Year - Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td>MAA 4227</td>
<td>Advanced Calculus II</td>
<td>3</td>
</tr>
<tr>
<td>MAP 4970H</td>
<td>Undergraduate Honors Thesis</td>
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</tr>
<tr>
<td>MAS 4302</td>
<td>Abstract Algebra II</td>
<td>3</td>
</tr>
<tr>
<td>MTG 4254</td>
<td>Introduction to Differential Geometry</td>
<td>3</td>
</tr>
<tr>
<td>MTG 4302</td>
<td>Introduction to Topology</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

#### Mathematics Education (B.S.)

**College of Education and Human Performance**

**School of Teaching, Learning, and Leadership, Education Building, Room: 209**

http://education.ucf.edu/mathed

Dr. Erhan Haciomeroglu, ED 123H, Erhan.Haciomeroglu@ucf.edu, 407-823-4336
Dr. Janet Andreassen, ED 123Q, Janet.Andreassen@ucf.edu

The Mathematics Education B.S. program offers students the option of two tracks: Mathematics Education - Education Track and Mathematics Education - Lifelong Learning Track (non-certification). The Education Track is appropriate for students interested in opportunities for employment with formal, 6-12 schools that require certification. The Lifelong Learning Track is appropriate for students seeking opportunities outside formal, K-12 schools that do not require certification.

#### Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from a Florida College System or State University System institution.
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of "C-" (1.75) or better.
- Meet the Gordon Rule Requirement.
- Meet the foreign language admission requirement.
- Have a minimum 2.5 overall GPA.
Education Track: Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted). The Lifelong Learning Track is a non-certification program and does not require the General Knowledge Test.

Degree Requirements
- Students should see an advisor prior to registering for classes.
- The courses designated in 1. (General Education) and 2. (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- The Education Track is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066.
- Degree requirements are subject to change based on state mandates.

1. UCF General Education Program (GEP) (37 hrs)
- Students are advised to take the preferred courses.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I
- Required ENC 1102 Composition II
- Prefer SPC 1608 Fundamentals of Oral Communication

B: Cultural & Historical Foundations (9 hrs)
- General Education Program elective from section B1 to meet Gordon Rule Requirement
- Select 1:
  - Prefer MUL 2100 Enjoyment of Music or
  - Prefer THE 2000 Theatre Survey or
  - Prefer PHI 2010 Introduction to Philosophy
- General Education Program elective: Prefer a second course from GEP section B1

C: Mathematical Foundations (7 hrs)
- Required MAC 2311C Calculus with Analytic Geometry I
- Required STA 2023 Statistical Methods I

D: Social Foundations (6 hrs)
- Prefer POS 2041 American National Government
- Prefer PSY 2109 General Psychology

E: Science Foundations (6 hrs)
- Prefer PSC 1121 Physical Science

Select 1:
- Prefer ANT 2511 The Human Species
- Prefer BSC 1005 Biological Principles

2. Common Program Prerequisites (CPP) (17 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

1. EDF 2085 Introduction to the Teaching Profession
2. EDF 2085 Introduction to Diversity for Educators
3. EME 2040 Introduction to Technology for Educators
4. MAC 2311C Calculus with Analytic Geometry I
5. MAC 2312 Calculus with Analytic Geometry II
6. MAC 2313 Calculus with Analytic Geometry III

1 Courses taken at Florida College System institutions may substitute for select courses in Other Program Requirements with the permission of the department.

Lifelong Learning Track (9 hrs)
- MAC 2311C Calculus with Analytic Geometry I
- STA 2023 Statistical Methods I
- MAC 2312 Calculus with Analytic Geometry II
- MAC 2313 Calculus with Analytic Geometry III
- MAP 2302 Ordinary Differential Equations I
- MHS 2300 Career Planning

Select 1:
- EDF 2130 Child and Adolescent Development for Educators or
- EDF 2270 Adult Development & Learning

4. Core Requirements: Advanced Level (57 hrs)
- Education Track requires 60 semester hours
- Lifelong Learning Track requires 57 semester hours

Education Core Requirements (18 hrs)
- Education Track requires 18 semester hours of Education Core Requirements
- Lifelong Learning Track requires 21 semester hours of Education Core Requirements

1. EDG 4410 Teaching Strategies and Classroom Management
2. EDF 4467 Learning Theory and Assessment
3. EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools
4. TSL 4080 Theory and Practice of Teaching ESOL
5. EEX 4242 Teaching Exceptional Students in Secondary Settings
6. RED 4043 Content Reading in Kindergarten through Grade 12

Lifelong Learning Track: (3 hrs)
- MAE 4634 Programs in Teaching of Mathematics

1 Prerequisite to Internship I

Education Track Specialization Requirements (23 hrs)
- A grade of "C-" (1.75) or better is required.
- Prior to Internship I, the student must have completed EDG 4410 and at least 50% of all required mathematics courses including MAE 3366 Middle and High School Mathematics for Teaching, MAE 4634 Programs in Teaching Mathematics and MAP 2302 Differential Equations with a minimum grade of "C-" (1.75) or better. However, a minimum GPA of 2.5 is required in the professional specialization and overall for admission to Internship I.

Internship I Block (7 hrs)
- Prior to Internship I, the student must have completed EDG 4410 and at least 50% of all required mathematics courses including MAE 3366 Middle and High School Mathematics for Teaching, MAE 4634 Programs in Teaching Mathematics and MAP 2302 Differential Equations with a minimum grade of "C-" (1.75) or better. However, a minimum GPA of 2.5 is required in the professional specialization and overall for admission to Internship I.
- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL
- Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/
- MAE 4360 Mathematics Instructional Analysis
- MAE 3940 Internship
Internship II Block 12 hrs
- At least 80% of all required mathematics courses and all methods courses must be completed with a letter grade of "C-" (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization, and overall for admission to Internship II.
- Passing scores on all sections (General Knowledge, Professional, and Subject Area (Mathematics 6-12)) of the Florida Teacher Certification Examination (FTCE) are required prior to entry into Internship II.
- Satisfactory completion of Internship II requires the student to demonstrate proficiency in all Florida Educator Accomplished Practices in accordance with State Board of Education Rule 6A-5.066.

Lifelong Learning Track Specialization 36 hrs
- Select preferred specialization courses with advisor approval. A minimum of nine (9) hours must be taken in the content area. Substitutions are allowed with advisor approval.
- A grade of "C-" (1.75) or better is required.
- Must have a total of 48 or more hours of upper level courses to graduate.

Graduation
- None

5. Restricted Electives
- None

6. Capstone Requirements
- None

7. Foreign Language Requirements Admissions
- State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)
UCF Degree Programs

Freshman Year - Summer
MAC 2313 Calculus with Analytic Geometry III 4 hrs
PSY 2012 General Psychology 3 hrs

Select 1:
MUL 2100 Theatre Survey or 3 hrs
PHI 2010 Introduction to Philosophy 3 hrs

Sophomore Year - Fall
EDF 2005 Introduction to the Teaching Profession 3 hrs
MAP 2302 Ordinary Differential Equations I 3 hrs
POS 2041 American National Government 3 hrs
STA 2023 Statistical Methods I 3 hrs

Education Track
Choose Lifelong Learning Specialization course 3 hrs

Sophomore Year - Spring
Choose Lifelong Learning Specialization course 3 hrs

Junior Year - Fall
EDF 2130 Child and Adolescent Development for Educators or 3 hrs
EDF 2085 Introduction to Diversity for Educators 3 hrs

Lifelong Learning Track
Choose Lifelong Learning Specialization course 3 hrs

Junior Year - Spring
Choose Lifelong Learning Specialization course 3 hrs

Education Track
Choose Lifelong Learning Specialization course 3 hrs

Junior Year - Fall
Choose Lifelong Learning Specialization course 3 hrs

Junior Year - Spring
Choose Lifelong Learning Specialization course 3 hrs

Education Track
STA 4163 Statistical Methods II 3 hrs

Lifelong Learning Track
Choose Lifelong Learning Specialization course 3 hrs

Senior Year - Fall
Choose Lifelong Learning Specialization course 3 hrs

Lifelong Learning Track
Choose Lifelong Learning Specialization courses 11 hrs

Senior Year - Spring
Choose Lifelong Learning Specialization courses 11 hrs

Education Track
Choose Lifelong Learning Specialization courses 12 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oears.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $12 per term
- Full-Time Student: $24 per term

Mechanical Engineering (B.S.M.E.)
College of Engineering and Computer Science
Department of Mechanical and Aerospace Engineering,
Engineering I, Room: 381
http://www.mae.ucf.edu

Email: mmmaeugrad@ucf.edu
Dr. Hyoung Jin "Joe" Cho, hjcho@ucf.edu, 407-823-5014
Lynn Grabenhorst, Lynn.Grabenhorst@ucf.edu, 407-823-5448
Phone: 407-823-5448

Admission Requirements
- Students wanting to declare a major in an engineering discipline must be in good academic standing and may
  have a "C" (2.0) or better in each of the following courses or their equivalents:
    MAC 2311C, MAC 2312, PHY 2048C, and
    CHM 2045C or CHS 1440.
  - Students wanting to declare a major in an engineering discipline must complete a change of major in the term of
    completion of the final pending prerequisite course(s) listed above.

Degree Requirements
- Students in the Mechanical Engineering major are expected to make consistent good progress toward their
  degree requirements to remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS)
  or the College of Optics and Photonics (COP). Therefore, any student majoring in Mechanical Engineering who
  repeats any UCF course and does not earn a grade of "C" (2.0) or better on the second attempt will be placed on Lack
  of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or
  COP major. If a student on Lack of Progress Probation does not receive a grade of "C" (2.0) or better by the third attempt
  in the same UCF course, the student will be excluded from all CECS and COP majors. Any student majoring in
  Mechanical Engineering who has accumulated 7 or more unsuccessful attempts (i.e., grades below "C" (2.0) and
  withdrawals) over all courses taken at UCF will be placed on Lack of Progress Probation and remain on Lack of Progress
  Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation has a tenth unsuccessful attempt over all courses taken at
  UCF, the student will be excluded from all CECS and COP majors.
- A student who is excluded from CECS and COP majors may seek readmission to a major in CECS or COP after at
  least one full year has passed since exclusion. Readmission is not automatic and is dependent upon a high probability of
  success after readmission. Any student who is readmitted to the Mechanical Engineering major will be subject to all
  probation conditions that applied at the time of exclusion.

1. UCF General Education Program (GEP) (38 hrs)
- The UCF General Education Program (GEP) is described in the General Education Program section,
  located elsewhere in this catalog. Engineering students should closely study the requirements of the UCF GEP and
  the allowable substitutions detailed in paragraphs E. below to minimize excess hours.
- Students transferring to UCF from within the Florida College System or State University System should complete the GEP and the
  Common Program Prerequisites before transferring.
## UCF Degree Programs

### A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs

### Select 1:
- Required SPC 1603C Fundamentals of Technical Presentations or SPC 1608 Fundamentals of Oral Communication 3 hrs

### B: Cultural & Historical Foundations (9 hrs)
- Select two courses from Historical Foundations 6 hrs
- Select one class from Cultural Foundations 3 hrs

### C: Mathematical Foundations (7 hrs)
- Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
- Required STA 3032 Probability and Statistics for Engineers 3 hrs

### D: Social Foundations (6 hrs)
- Select 1:
  - Preferred ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics 3 hrs
  - Select one class from Social Foundations 3 hrs

### E: Science Foundations (7 hrs)
- Required PHY 2048C General Physics Using Calculus I 4 hrs
- Select one class from Science Foundations 3 hrs

### 2. Common Program Prerequisites (CPP) (19 hrs)
- These courses are specifically required for all engineering students of the Florida State University System.
- CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs.

### Select one of the following sequences of courses:
- **Preferred course**
  - CHS 1440 Principles of Chemistry 4 hrs
- **or- First alternative:** Select all of the following: 6 hrs
  - CHM 2040 Chemistry Fundamentals IA and 3 hrs
  - CHM 2041 Chemistry Fundamentals IB 3 hrs
- **or- Second alternative**
  - CHM 2045C Chemistry Fundamentals I 4 hrs

### 3. Core Requirements: Basic Level (2 hrs)
- Required Courses: Basic 2 hrs
- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing these courses, together with the core requirements, restricted electives, and senior design courses listed below.

### Select one of the following sequences of courses:
- **Required Courses:**
  - EGS 1006C Introduction to the Engineering Profession 1 hr
  - EGN 1007C Engineering Concepts and Methods 1 hr

### 4. Core Requirements: Advanced Level (63 hrs)
- Required Courses: Advanced 36 hrs
  - EGN 3310 Engineering Analysis-Statics 3 hrs
  - EGN 3343 Thermodynamics 3 hrs
  - EGN 3365 Structure and Properties of Materials 3 hrs
  - EGN 3373 Principles of Electrical Engineering 3 hrs
  - STA 3032 Probability and Statistics for Engineers GEP 3 hrs
  - EML 3034C Modeling Methods in Mechanical and Aerospace Engineering 3 hrs
  - EML 3303C Mechanical Engineering Measurements 3 hrs
  - EGN 3601 Solid Mechanics 3 hrs

### Select 2 of the following:
- EML 3101 Thermodynamics of Mechanical Systems or 3 hrs
- EML 4143 Heat Transfer II or 3 hrs
- EML 4313 Intermediate System Dynamics and Controls of 3 hrs
- EML 4703 Fluid Mechanics II or 3 hrs
- EML 4504 Design & Analysis of Machine Components II 3 hrs

### Select 1 of the following:
- EML 4301C Mechanical Systems Lab or 3 hrs
- EML 4306C Energy Systems Lab 3 hrs

### 5. Restricted Electives
- **Approved Electives:** 18 hrs
  - Technical electives are available in the BSME program to address specific student interests in a variety of technical areas. Students should consult with their Department for a list of approved restricted technical electives and the terms when specific courses of this type are offered.

### 6. Capstone Requirements (6 hrs)
- These courses are a capstone experience to your engineering program and should be completed in your last 2 major semesters of study.

### 7. Foreign Language Requirements
- **Admissions:**
  - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

### Graduation
- **None**

### 8. Electives
- **None**

### 9. Additional Requirements
- **None**

### 10. Required Minors
- **None**

### 11. Departmental Exit Requirements
- **None**

### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

### Total Semester Hours Required
- **128**

### Honors In Major
- **None**

### Related Programs
- Aerospace Engineering
- Certificates
- **None**

### Related Minors
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Engineering Leadership

### Advising Notes
- Double Degree/Double Major requirements listed under the college section of the catalog.
Career and Academic Advising
- The department requires all students in the program meet with a faculty member for advising on career and academic issues. These courses must be taken in sequence during the 3rd and 4th year.
- EML 3933 Mechanical Career and Academic Faculty Advising I 0 hrs
- EML 4931 Mechanical Career and Academic Faculty Advising II 0 hrs

Transfer Notes
- EGS 1006C and EGN 1007C are required courses for incoming freshmen only. The two credit hours for these courses will be substituted by an approved Mechanical Engineering technical elective for transfer students.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (128 hrs)
- Tentative Course Schedule for Entering Freshmen: The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their Department to develop and maintain an appropriate plan of study.

Freshman Year - Fall 12 hrs
- EGS 1006C Introduction to the Engineering Profession 1 hr
- ENC 1101 Composition I 3 hrs
- MAC 2311C Calculus with Analytic Geometry I 4 hrs

Select 1: 4 hrs
- CHS 1440 Principles of Chemistry or 4 hrs
- CHM 2045C Chemistry Fundamentals I or 4 hrs
- CHM 2040 Chemistry Fundamentals IA 3 hrs
- CHM 2041 to complete the sequence

Freshman Year - Spring 15 hrs
- EGN 1007C Engineering Concepts and Methods 1 hr
- MAC 2312 Calculus with Analytic Geometry II 3 hrs
- PHY 2048C General Physics Using Calculus I 4 hrs
- GEP 3 hrs

Freshman Year - Summer 10 hrs
- EGN 1007C Engineering Concepts and Methods 1 hr
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- GEP 3 hrs
- EGN 3365 Structure and Properties of Materials 3 hrs

Sophomore Year - Fall 13 hrs
- MAC 2311C Calculus with Analytic Geometry I 4 hrs
- PHY 2048C General Physics Using Calculus II 4 hrs
- ENC 1101 Composition II 3 hrs
- ENC 3310 Engineering Analysis-Statics 3 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs
- GEP 3 hrs

Sophomore Year - Spring 12 hrs
- MAC 2312 Calculus with Analytic Geometry II 3 hrs
- ENC 1101 Composition II 3 hrs
- ENC 2025C Engineering Analysis-Dynamics 3 hrs
- EGN 3373 Principles of Electrical Engineering 3 hrs
- GEP 3 hrs

Sophomore Year - Summer 9 hrs
- ENC 1101 Composition II 3 hrs
- GEP 3 hrs
- GEP 3 hrs

Junior Year - Fall 15 hrs
- EML 3933 Mechanical Career and Academic Faculty Advising I 0 hrs
- EML 3933 Mechanical Career and Academic Faculty Advising II 0 hrs
- EML 3701 Fluid Mechanics I 3 hrs
- EML 3034C Modeling Methods in Mechanical and Aerospace Engineering 3 hrs
- EML 3303C Mechanical Engineering Measurements 3 hrs
- GEP 3 hrs
- EML 3500 Design and Analysis of Machine Components 3 hrs

Senior Year - Fall 15 hrs
- EML 4501C Engineering Design I 3 hrs
- EML 4931 Mechanical Career and Academic Faculty Advising II 0 hrs
- EML 4502C Engineering Design II 3 hrs
- Upper Division Elective 3 hrs
- Upper Division Elective 3 hrs

Select 2 6 hrs
- EML 4143 Heat Transfer II or 3 hrs
- EML 4313 Intermediate System Dynamics and Controls or 3 hrs
- EML 4703 Fluid Mechanics II or 3 hrs
- EML 4504 Design & Analysis of Machine Components II 3 hrs

Senior Year - Spring 12 hrs
- EML 4502C Engineering Design II 3 hrs
- Upper Division Elective 3 hrs
- Upper Division Elective 3 hrs

Select 1 3 hrs
- EML 4313 Intermediate System Dynamics and Controls 3 hrs
- GEP 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/lac/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Medical Laboratory Sciences (B.S.)
College of Medicine
Burnett School of Biomedical Sciences
Department of Molecular and Microbiology,
Health and Public Affairs II, Room: 335
http://www.biomed.ucf.edu
Dr. Griffith Parks, Director
Dorilyn Hitchcock, Program Director
Phone: 407-823-5932

Admission Requirements
- Acceptance to the university does not necessarily constitute admission to the upper division Medical Laboratory Sciences program.
- Separate application to the limited access program should be made directly to the program in the Spring of the year admission is sought. Applications will be accepted until the class is filled.
- UCF application must also be submitted prior to program application. Acceptance to UCF is necessary before acceptance to the program can occur.
- Student must complete all general education, foreign language admissions, and program prerequisites prior to the start of the program.
- This limited access program is work-intensive and courses include clinical practice in a variety of settings. Due to this, it is strongly recommended that students be at least one-year post high school prior to applying to the program. Students with concerns or questions should contact the program to schedule an appointment with an advisor.
- All applicants must have a minimum overall GPA of 2.5, and complete all program prerequisite courses with at least a grade of “C” (2.0).
UCF Degree Programs

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program, Foreign Language Admissions and the Common Program Prerequisite Requirements before transferring within the Florida College System or State University System.
- Students should consult with a departmental advisor.
- The courses designated in sections 1 and 2 below may be taken at a Florida College System institution, and should usually be completed in the first 60 hours.
- A minimum overall GPA of 2.5 and a minimum grade of “C” (2.0) in prerequisite and major courses is required for admission to, continuation in, and graduation from the Medical Laboratory Sciences Program.

UCF Residency Requirement: 32 hours.

The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should usually be completed in the first 60 hours.

An FDLE background check, negative drug screen, and Board of Clinical Lab Personnel trainee license are required.

1. UCF General Education Program (GEP) (38 hrs)

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

 Prefer MAC 1105 College Algebra

Required STA 2023 Statistical Methods I and

3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (8 hrs)

Required BSC 2010C Biology I and

CHM 2045C Chemistry Fundamentals I

4 hrs

2. Common Program Prerequisites (CPP) (25 hrs)

See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

BSC 2010C Biology I and

MAC 1105C College Algebra

STA 2023 Statistical Methods I

GE

1 ZOO 3713C Human Anatomy

4 hrs

1 MCB 3020C General Microbiology

5 hrs

1 PCB 3703C Human Physiology

4 hrs

Take all of the following: 4 hrs

CHM 2045C Chemistry Fundamentals I and

CHM 2046C Chemistry Fundamentals II

1 MCB 3020C General Microbiology

5 hrs

CHM 2046L Chemistry Fundamentals Laboratory

1 hr

Take all of the following: 8 hrs

CHM 2210 Organic Chemistry I and

CHM 2211 Organic Chemistry II and

CHM 2211L Organic Laboratory Techniques I

3 hrs

See Transfer Notes

3. Core Requirements: Basic Level

4. Core Requirements: Advanced Level (64 hrs)

ML 3220C Techniques in Clinical Microscopy

3 hrs

ML 4625 Advanced Clinical Chemistry I

3 hrs

ML 4630 Advanced Clinical Chemistry II

3 hrs

PC B 3223 Immunology

3 hrs

ML 4430C Clinical Parasitology

3 hrs

ML 3305 Hematology

3 hrs

ML 4505C Immunodiagnostics

3 hrs

ML 4910 Introduction to Clinical Research

1 hr

ML 4550 Clinical Immunohematology

4 hrs

ML 4460L Clinical Pathogenic Microbiology Lab

1 hr

ML 4334 Hemostasis

3 hrs

ML 4625L Advanced Clinical Chem I Lab

1 hr

PC B 3223L Immunology Laboratory

1 hr

ML 3305L Hematology Lab

1 hr

ML 4933 Medical Technology Seminar

2 hrs

ML 3705 Concepts in Education/Management

3 hrs

ML 4830L Interpretive & Practical Clinical Chemistry

4 hrs

ML 4831L Interpretive & Practical Immunohematology

4 hrs

ML 4832L Interpretive & Practical Hematology

4 hrs

ML 4833L Diagnostic Microbiology

4 hrs

CS G 1060C Introduction to Computers

3 hrs

BSC 3403C Quantitative Biological Methods

4 hrs

5. Restricted Electives

None

6. Capstone Requirements

None

7. Foreign Language Requirements

Admissions

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

None

8. Electives

None

9. Additional Requirements

None

10. Required Minors

None

11. Departmental Exit Requirements

- A minimum 2.5 overall GPA is required for clinical assignment.
- The degree in Medical Laboratory Sciences will be awarded upon satisfactory completion of the University’s didactic component and the clinical component in affiliated hospital laboratories.
- Upon receiving the degree in Medical Laboratory Sciences, the graduate will be eligible to take a national certification examination and then qualify for State Licensure.
- Students must earn a grade of “C” (2.0) or higher in required courses with a minimum 2.5 overall GPA for graduation.

University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 126

Honors In Major

- None

Related Programs

- Biomedical Sciences
- Biological Sciences
- Chemistry

Certificates

- None

Related Minors

- Biomedical Sciences
- Biological Sciences
- Chemistry

Advising Notes

None

Transfer Notes

Students that transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

Acceptable Substitutes for Transfer Courses

Human Anatomy and Physiology I and II (BSC 2093/BSC 2094) 8 hrs

MCB 3020C General Microbiology 5 hrs

May be substituted with MCB 1050C

Plan of Study

Freshman Year - Fall

MAC 1105C College Algebra 3 hrs

CHM 2045C Chemistry Fundamentals I 4 hrs

GEP 9 hrs

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### UCF Degree Programs

#### Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- BSC 2010C Biology I 4 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- GEP 6 hrs

#### Sophomore Year - Fall
- CHM 2210 Organic Chemistry I 3 hrs
- ZOO 3733C Human Anatomy 4 hrs
- GEP 9 hrs

#### Junior Year - Spring
- CHM 2211 Organic Chemistry II 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs
- MCB 3020C General Microbiology 5 hrs
- PCB 3705C Human Physiology 4 hrs
- GEP 3 hrs

#### Junior Year - Fall
- MLS 3220C Techniques in Clinical Microscopy 3 hrs
- MLS 4625 Advanced Clinical Chemistry I 3 hrs
- MLS 4625L Advanced Clinical Chem I Lab 1 hr
- PCB 3233 Immunology 3 hrs
- PCB 3233L Immunology Laboratory 1 hr
- MLS 4430C Clinical Parasitology 3 hrs

#### Senior Year - Fall
- MLS 3305 Hematology 3 hrs
- MLS 3305L Hematology Lab 1 hr
- MLS 4630 Advanced Clinical Chemistry II 3 hrs
- MLS 4460L Clinical Pathogenic Microbiology Lab 1 hr

#### Senior Year - Spring
- MLS 4910 Introduction to Clinical Research 1 hr
- MLS 4505C Immunodiagnostics 3 hrs
- MLS 4933 Medical Technology Seminar 2 hrs
- MLS 3705 Concepts in Education/Management 3 hrs
- BSC 3403C Quantitative Biological Methods 4 hrs

#### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)
- Equipment Fees
  - Part-Time Student: $39 per term
  - Full-Time Student: $78 per term

### Music (B.A.)

**College of Arts and Humanities**

**Department of Music,**

**Performing Arts Center, Room: M203**

**http://music.cah.ucf.edu**

**Email: ucfmusic@ucf.edu**

Kirk Gay, kirk.gay@ucf.edu, 407-823-5968

**Admission Requirements**
- Each student must complete an audition that demonstrates satisfactory performance proficiency.
- The audition will serve as a placement examination for accepted candidates.

**Degree Requirements**
- Prior to attending the first music class as a music major at UCF, all students must take a keyboard placement examination to determine the appropriate level of class piano. Go to [http://www.music.ucf.edu/students](http://www.music.ucf.edu/students) to see the class piano requirements.
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement; at least 25 hours must be taken from the UCF Music department.
- Each student must complete a faculty approved capstone project.
- Co-op or internship credit cannot be used in this major.
- Students should consult with a departmental advisor for course selections.
- Courses designated in 1 (General Education Program) are usually spread over the full four years.
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- A cumulative minimum GPA of 3.00 based upon all courses required in the major as well as all courses taken in music is required. Failure to maintain this standard may result in program probation or dismissal. Please refer to the SPA Student Handbook ([http://performingarts.cah.ucf.edu/music/resources](http://performingarts.cah.ucf.edu/music/resources)) for details on program standards.

1. **UCF General Education Program (GEP) (36 hrs)**
   - (see General Education Program for detailed information)
   - **Communication Foundations** (9 hrs)
     - Required ENC 1101 Composition I 3 hrs
     - Required ENC 1102 Composition II 3 hrs
     - Preferred SP 1601 Fundamentals of Oral Communication 3 hrs
   - **Cultural & Historical Foundations** (9 hrs)
     - Required MUH 3212 Music History and Literature I 3 hrs
     - Required MUH 3212 Music History and Literature II 3 hrs
   - **Math** (3 hrs)
     - Suggested MGF 1107 Explorations in Mathematics 3 hrs
     - Suggested MGF 1106 Finite Mathematics or 3 hrs
     - You may substitute a higher level math with appropriate scores on the Math Placement Exam
   - **Statistics-Computers** (3 hrs)
     - Select a course from GEP C.2 list 3 hrs
   - **Social Foundations** (6 hrs)
   - **Science Foundations** (6 hrs)

2. **Common Program Prerequisites (CPP) (28 hrs)**
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   - **Music Core Prerequisites**
     - MUT 1121 Music Theory and Musicianship I 4 hrs
     - MUT 1122 Music Theory and Musicianship II 4 hrs
     - MUT 2126 Music Theory and Musicianship III 4 hrs
     - MUT 2127 Music Theory and Musicianship IV 4 hrs
     - MVK 1111 Class Piano I 1 hr
     - MVK 1112 Class Piano II 1 hr
     - MVK 2121 Class Piano III 1 hr
     - MVK 2122 Class Piano IV 1 hr
     - MUN XXXX Ensembles 4 hrs
     - MVX XXXX Performance 4 hrs

3. **Core Requirements: Basic Level** (6 hrs)
   - 1 MUS 1010 Music Forum 0 hrs
   - 1 MUS 2360C Introduction to Music Technology 3 hrs
   - MUH 3633 Music in the United States 3 hrs
   - MUL 2720 Music of the World GEP

1 (4 semesters)

4. **Core Requirements: Advanced Level** (3 hrs)
   - MUH 3211 Music History and Literature I 3 hrs
   - MUH 3212 Music History and Literature II GEP

5. **Restricted Electives** (33 hrs)
   - **Restricted Electives-Music** 15 hrs
     - Choose from any MUX 3XXX or 4XXX (No more than 6 of these credits can be taken as MUN courses.)
     - Choose one MUT 3XXX or MUT 4XXX course 3 hrs

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UCF Degree Programs

Restricted Electives-Non-Music 18 hrs
- Select, with the approval of the Academic Advisor, primarily from upper-level courses that form a coherent progression within a single or two related departments. The completion of a minor is strongly encouraged.

6. Capstone Requirements
MUS 4900 Music BA Capstone Project 3 hrs

7. Foreign Language Requirements
Admissions
- Two years of foreign language in high school or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- Proficiency equivalent to two semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
- Select primarily from upper-level courses

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Earn a grade of "C" (2.0) or better in each Music course

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Music Education
- Theatre
- Theatre - Musical Theatre Track

Certificates
- None

Related Minors
- Music
- Theatre

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- Example given shows a student majoring in B.A. in Music. See program description for all requirements. Consult the program advisor for alternate, new, or more appropriate selections.

Freshman Year - Fall 17 hrs
1 ENC 1101 Composition I 3 hrs
MUT 1121 Music Theory and Musicanship I 4 hrs
MVK 1111 Class Piano I 1 hr
MUS 1010 Music Forum 0 hrs
MUN XXXX Ensemble 1 hr
MVK 141X Performance I 2 hrs
GEP E.1. Science Foundation 3 hrs
MUH 3633 Music in the United States 3 hrs
(1) (GEP A.1.)

Freshman Year - Spring 14 hrs
ENC 1102 Composition II 3 hrs
MUT 1122 Music Theory and Musicanship II 4 hrs
MVK 1112 Class Piano II 1 hr
MUS 1010 Music Forum 0 hrs
MUS 2360C Introduction to Music Technology 3 hrs
MUN XXXX Ensemble 1 hr
MVK 141X Performance I 2 hrs

Sophomore Year - Fall 16 hrs
1 SPC 1608 Fundamentals of Oral Communication 3 hrs
MUT 2126 Music Theory and Musicanship III 4 hrs
MVK 2121 Class Piano III 1 hr
STA 106C Basic Statistics Using Microsoft Excel 3 hrs
MUS 1010 Music Forum 0 hrs
MUN XXXX Ensemble 1 hr
Foreign Language Elementary Level I 4 hrs
(1) (GEP A.3.)

Sophomore Year - Spring 16 hrs
MUT 2127 Music Theory and Musicanship IV 4 hrs
MVK 2122 Class Piano IV 1 hr
MUS 1010 Music Forum 0 hrs
MGF 1106 Finite Mathematics 3 hrs
MUN XXXX Ensemble 1 hr
Foreign Language Elementary Level II 4 hrs
MUL 2720 Music of the World 3 hrs

Junior Year - Fall 15 hrs
MUH 3211 Music History and Literature I 3 hrs
GEP B.1. Cultural & Historical Foundation 3 hrs
MUT 3/4XXX Music Restricted Elective 3 hrs
XXX 3/4XXX Non-Music Restricted Elective 3 hrs

Junior Year - Spring 15 hrs
MUH 3212 Music History and Literature II 3 hrs
Elective 3 hrs
MUK 3/4XXX Music Restricted Elective 3 hrs
MUK 3/4XXX Music Restricted Elective 3 hrs
XXX 3/4XXX Non-Music Restricted Elective 3 hrs

Senior Year - Fall 15 hrs
GEP D.1. Social Foundation 3 hrs
XXX 3/4XXX Non-Music Restricted Elective 3 hrs
MUK 3/4XXX Music Restricted Elective 3 hrs
GEP E.2. Science Foundation 3 hrs
XXX 3/4XXX Non-Music Restricted Elective 3 hrs

Senior Year - Spring 12 hrs
MUS 4900 Music BA Capstone Project 3 hrs
GEP D.2. Social Foundation 3 hrs
XXX 3/4XXX Non-Music Restricted Elective 3 hrs
XXX 3/4XXX Non-Music Restricted Elective 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeras.ucf.edu/alc/academic_learning_comacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term
Music - Jazz Studies Track (B.M.)
College of Arts and Humanities
Department of Music,
Performing Arts Center - Music, Room: M203
http://music.cah.ucf.edu

Email: musicaud@ucf.edu
J. Rupert, JeffRupert@ucf.edu, 407-823-5411
Kirk Gay, Kirk.Gay@ucf.edu, 407-823-5968

Admission Requirements
Audition Requirements for Admission
- Acceptance into the Department of Music is conditional upon completion of a successful audition. Go to http://music.cah.ucf.edu/admissions.php to learn more about specific audition requirements and recommended repertoire for each instrument and voice.
- The audition will serve as a placement examination for accepted candidates.

Professional Sequence Entrance Review
- During the fourth semester of applied study, each student will be required to pass the Professional Sequence Entrance Review, which will include:
  - An evaluation of performance skills
  - Completion of Performance I and II
  - Completion of MUS 2360C
  - Completion of MUT 2127, Music Theory and Musicianship IV
  - Completion of Class Piano IV
  - Completion of Jazz Theory I & II
  - Overall GPA of at least 2.5, and a GPA for all music courses of at least 3.0
- This review is a pre-requisite for Performance level III.

Degree Requirements
- Prior to attending the first class as a music major at UCF, all students must take a keyboard placement examination to determine the appropriate level of class piano. Go to http://music.ucf.edu/ to see the class piano requirements.
- Students who change degree programs and select this major must adopt the most current catalog.
- At least 65 hours of credit must be earned in music courses.
- Departmental Residency Requirement: at least 30 hours must be taken from the UCF Music department.
- Performance students must present two faculty-approved public recitals.
- Students should consult with a departmental advisor for course selection.
- Courses designated in 1 (General Education Program) are usually completed throughout four years of study.
- Students must complete a faculty-approved Senior BM Major Portfolio category.
- A cumulative minimum GPA of 3.00 based upon all courses required in the major.

1. UCF General Education Program (GEP) 36 hrs
   - (See General Education program for detailed information)

   A: Communication Foundations (9 hrs)
   - Preferred SPC 1608 Fundamentals of Oral Communication

   Take all of the following: 6 hrs
   - Required ENC 1101 Composition I and II 3 hrs
   - Required ENC 1102 Composition II 3 hrs

   B: Cultural & Historical Foundations (9 hrs)
   - Required MUL 2126 Evolution of Jazz 3 hrs
   - Select one course from B 1 list 3 hrs
   - Required MUL 2720 Music of the World 3 hrs

C: Mathematical Foundations (6 hrs)
- Math
  - Suggested MGF 1106 Finite Mathematics or 3 hrs
  - Suggested MGF 1107 Explorations in Mathematics or 3 hrs
- You may substitute a higher level math with appropriate scores on the Math Placement Exam.

Statistics - Computers 3 hrs
- Select a course from GEP C 2 list

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (24 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

   MUT 1121 Music Theory and Musicianship I 4 hrs
   MUT 1122 Music Theory and Musicianship II 4 hrs
   MUT 2126 Music Theory and Musicianship III 4 hrs
   MUT 2127 Music Theory and Musicianship IV 4 hrs
   MUN 3713 Jazz Ensemble 1 hr
   MVK 1111 Class Piano I 1 hr
   MVK 1112 Class Piano II 1 hr
   MVK 2121 Class Piano III 1 hr
   MVK 2122 Class Piano IV 1 hr
   - Four semesters for total 4 hrs

3. Core Requirements: Basic Level (6 hrs)
   - MUT 2300C Introduction to Music Technology 3 hrs
   - MUS 1010 Music Forum 0 hrs
   # MUL 2016 Evolution of Jazz GEP
   # MUL 2720 Music of the World GEP
   # MUH 3633 Music in the United States 3 hrs
   - Eight semesters

4. Core Requirements: Advanced Level (54 hrs)
   - MUT 3170 Jazz Theory I 3 hrs
   - MUT 3171 Jazz Theory II 3 hrs
   - MUT 3923 Jazz Workshop 3 hrs
   - MUS 4320 Music Business and Industry 3 hrs
   - MUS 4814 Jazz Styles and Analysis 3 hrs
   - MUS 3953 Recital Performance I 0 hrs
   - MUS 4954 Recital Performance II 0 hrs
   - Select 1: 3 hrs
     - MUH 3211 Music History and Literature I or 3 hrs
     - MUH 3212 Music History and Literature II 3 hrs
   - Four semesters for total 12 hrs

Specialty Requirements (Choose one): 27 hrs
   - All courses are taken for two semesters each except restricted elective courses

   Trumpet
   - MVB 1411 Trumpet I 2 hrs
   - MVB 2421 Trumpet II 2 hrs
   - MVB 3431 Trumpet III 3 hrs
   - MVB 4441 Trumpet IV 4 hrs
   - Restricted Electives 5 hrs

   Trombone
   - MVB 1413 Trombone I 2 hrs
   - MVB 2423 Trombone II 2 hrs
   - MVB 3433 Trombone III 3 hrs
   - MVB 4443 Trombone IV 4 hrs
   - Restricted Electives 5 hrs

   Saxophone
   - MVW 1415 Saxophone I 2 hrs
   - MVW 2425 Saxophone II 2 hrs
   - MVW 3435 Saxophone III 3 hrs
   - MVW 4445 Saxophone IV 4 hrs
   - Restricted Electives 5 hrs

   Jazz Piano
   - MVJ 1010 Jazz Piano I 2 hrs
   - MVJ 2220 Jazz Piano II 2 hrs
   - MVJ 3230 Jazz Piano III 3 hrs
   - MVJ 4240 Jazz Piano IV 4 hrs
   - MVK 1211 Secondary Piano 1 hr
   - Restricted Electives 3 hrs
UCF Degree Programs

**Jazz Bass**

MVJ 1214 Jazz Bass I  2 hrs  
MVJ 2224 Jazz Bass II  2 hrs  
MVJ 3234 Jazz Bass III  3 hrs  
MVJ 4244 Jazz Bass IV  4 hrs  
MVS 1214 Secondary Bass  1 hr  
Restricted Electives  3 hrs

**Jazz Guitar**

MVJ 1213 Jazz Guitar I  2 hrs  
MVJ 2223 Jazz Guitar II  2 hrs  
MVJ 3233 Jazz Guitar III  3 hrs  
MVJ 4243 Jazz Guitar IV  4 hrs  
MVS 1216 Secondary Guitar  1 hr  
Restricted Electives  3 hrs

**Jazz Drum Set**

MVJ 1219 Jazz Drum Set I  2 hrs  
MVJ 2229 Jazz Drum Set II  2 hrs  
MVJ 3339 Jazz Drum Set III  3 hrs  
MVJ 4349 Jazz Drum Set IV  4 hrs  
MVP 1211 Secondary Percussion  1 hr  
Restricted Electives  3 hrs

5. Restricted Electives

- Any secondary performance course not in area of major instrument or
- Any MUC, MUE, MUG, MUH, MUL, MUN, MUO, MUS, MUT, MVX courses numbered 3000 or higher.

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Two years of foreign language in high school or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

- None

8. Electives

- Select primarily from upper level courses. May be outside of the department.

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- Earn a grade of "C" (2.0) or better in each Music course
- Computer Competency met by the following course, or departmental examination: MUS 2360C Introduction to Music Technology 3 hrs

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 120

Honors in Major

- None

Related Programs

- Music Education
- Music
- Theatre

Certificates

- None

Related Minors

- Music
- Theatre
- Digital Media

Advising Notes

- None

**Transfer Notes**

- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- None

**Plan of Study**

- Program A: Jazz Trumpet, Trombone, Saxophone

**Freshman Year - Fall**

ENC 1101 Composition I  3 hrs  
MUT 1121 Music Theory and Musicianship I  4 hrs  
MUN 3713 Jazz Ensemble  1 hr  
MVK 1111 Class Piano I  1 hr  
MUS 1010 Music Forum  0 hrs  
MVX 141X Performance I  2 hrs  
MUH 3633 Music in the United States  3 hrs

**Freshman Year - Spring**

ENC 1102 Composition II  3 hrs  
MUT 1122 Music Theory and Musicianship II  4 hrs  
MUN 3713 Jazz Ensemble  1 hr  
MVK 1112 Class Piano II  1 hr  
MUS 1010 Music Forum  0 hrs  
MUL 2016 Evolution of Jazz  3 hrs  
MVX 141X Performance I  2 hrs  
Science Foundation  3 hrs

**Sophomore Year - Fall**

SPC 1608 Fundamentals of Oral Communication  3 hrs  
MUT 2126 Music Theory and Musicianship III  4 hrs  
MUN 3713 Jazz Ensemble  1 hr  
MVK 2121 Class Piano III  1 hr  
MUT 3170 Jazz Theory I  3 hrs  
MUS 1010 Music Forum  0 hrs  
MUS 2360C Introduction to Music Technology  3 hrs  
MVX 242X Performance II  2 hrs

**Sophomore Year - Spring**

MUT 2127 Music Theory and Musicianship IV  4 hrs  
MUN 3713 Jazz Ensemble  1 hr  
MVX 242X Performance II  2 hrs  
MUT 3171 Jazz Theory II  3 hrs  
MUS 1010 Music Forum  0 hrs  
MUL 2720 Music of the World  3 hrs  
MVX 242X Performance II  2 hrs

**Junior Year - Fall**

MVX 343X Performance III  3 hrs  
MUX 3XXX Restricted Elective  1 hr

**Junior Year - Spring**

MVX 444X Performance IV  4 hrs  
MVX 343X Performance III  3 hrs  
MUX 3XXX Restricted Elective  1 hr

**Senior Year - Fall**

MUS 1010 Music Forum  0 hrs  
MUT 3923 Jazz Workshop  3 hrs  
MUH 4814 Jazz Styles and Analysis  3 hrs  
MUS 3953 Recital Performance I  0 hrs  
MVX 444X Performance IV  4 hrs

**Senior Year - Spring**

MUS 1010 Music Forum  0 hrs  
MUT 3923 Jazz Workshop  3 hrs  
MUH 4814 Jazz Styles and Analysis  3 hrs  
MVX 444X Performance IV  4 hrs
Music - Music Composition Track (B.M.)

College of Arts and Humanities
Department of Music,
Performing Art Center - Music, Room: M203
http://music.cah.ucf.edu/
Email: musicaud@ucf.edu
Kirk Gay, kirk.gay@ucf.edu, 407-823-5968

Admission Requirements

Audition Requirements for Admission
- Acceptance into the Department of Music is conditional upon completion of a successful audition. Go to http://www.music.ucf.edu/admissionsauditions.php to learn more about specific audition requirements and recommended repertoire for each instrument and voice.
- The audition will serve as a placement examination for accepted candidates.

Professional Sequence Entrance Review
- Prospective composition students must audition for and be accepted for either the BA in Music, the BME degree or the Bachelor of Music in Performance or Jazz Studies for their first two years of study. Students will normally be considered for acceptance into the Bachelor of Music in Composition in the fourth semester of study at UCF. Students will be accepted based on the Professional Sequence Entrance Review. Students will be required to pass this evaluation before entering Level III Composition. This review will include:
  - Approval of composition portfolio
  - Completion of Composition I and II
  - Completion of Performance I and II
  - Completion of MUS 2360C
  - Completion of MUS 2127, Music Theory and Musicianship IV
  - Completion of Class Piano IV
  - Overall GPA of at least 2.5, and a GPA for all music courses of at least 3.0.
- This review is a pre-requisite for Composition level III.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- At least 65 hours of credit must be earned in music courses.
- Departmental Residency Requirement; at least 30 hours must be taken from the UCF Music department.
- Composition students must present one faculty-approved public recital.
- Students should consult with a departmental advisor for course selection.
- Courses designated in 1 (General Education Program) are usually completed throughout four years of study.
- Students must complete a faculty-approved Senior BM web portfolio.
- A cumulative minimum GPA of 3.00 based upon all courses required in the major as well as all courses taken in music is required. Failure to maintain this standard may result in program probation or dismissal. Please refer to the SPA Student Handbook (http://performingarts.cah.ucf.edu/music/resources) for details on program standards.

1. UCF General Education Program (GEP) (36 hrs)
- (see General Education program for detailed information)

   A: Communication Foundations (9 hrs)
   - Required ENC 1101 Composition I 3 hrs
   - Required ENC 1102 Composition II 3 hrs
   - Required SPC 1608 Fundamentals of Oral Communication 3 hrs

   B: Cultural & Historical Foundations (9 hrs)
   - Required MUL 3211 Music History and Literature I 3 hrs
   - Select one course from B.1 list 3 hrs
   - Required MUL 2720 Music of the World 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oelas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term
C: Mathematical Foundations (6 hrs)
Math
Suggested MGF 1106 Finite Mathematics or
Suggested MGF 1107 Explorations in Mathematics

or You may substitute a higher level math with appropriate scores on the Math Placement Exam.

Statistics - Computers (3 hrs)
Select a course from GEP C.2 list

D: Social Foundations (6 hrs)
E: Science Foundations (6 hrs)
2. Common Program Prerequisites (CPP) (32 hrs)

3. Core Requirements: Basic Level (20 hrs)
MUH 3633 Music in the United States
MUS 2360C Introduction to Music Technology
MUC 1101C Composition I
MUC 2104C Composition II
MUS 1010 Music Fundamentals
MUL 2720 Music of the World
MUG 3104 Basic Conducting
MUH 3211 Music History and Literature I
MUN XXXX Major Ensemble (four semesters) Piano
MUH 3633; guitar students take MUN 3483
MVX 141X Performance I (two semesters)
MVX 242X Performance II (two semesters)

4. Core Requirements: Advanced Level (23 hrs)
Professional Sequence Requirements:
1 MUC Composition III
3105C
2 MUC Composition IV
4106C
MUT 4401 Counterpoint
MUT 4311 Orchestration
MUC 4950 Composition Recital
One course selected from MUC/MUH/MUS/MUT, 3000 level or above

1 Two semesters for total 6 hrs
2 Two semesters for total 8 hrs

5. Restricted Electives (9 hrs)

6. Capstone Requirements

7. Foreign Language Requirements

8. Electives

9. Additional Requirements

10. Required Minors

11. Departmental Exit Requirements

12. University Minimum Exit Requirements

Total Semester Hours Required

120

120 Honors In Major

None

None

None

None

None

None

None

None

None

None

None

None

None

None

None

None

None

None

None
Plan of Study (120 hrs)

Freshman Year - Fall 14 hrs
ENC 1101 Composition I 3 hrs
MUT 1121 Music Theory and Musicianship I 4 hrs
MVK 1111 Class Piano I 1 hr
MUS 1010 Music Forum 0 hrs
MUN XXXX Major Ensemble 1 hr
MVX 141X Performance I 2 hrs
MUH 3633 Music in the United States 3 hrs

Freshman Year - Spring 16 hrs
ENC 1102 Composition II 3 hrs
MUT 1122 Music Theory and Musicianship II 4 hrs
MVX 1112 Class Piano II 1 hr
MUS 1280C Introduction to Music Technology 3 hrs
MUS 1010 Music Forum 0 hrs
MVX 141X Performance I 1 hr
MUN XXXX Major Ensemble 1 hr
Science Foundation 3 hrs

Sophomore Year - Fall 15 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs
MUT 2126 Music Theory and Musician ship III 4 hrs
MVX 2121 Class Piano III 1 hr
MUC 1101C Composition I 2 hrs
MUG 3104 Basic Conducting 2 hrs
MUS 1010 Music Forum 0 hrs
MUN XXXX Major Ensemble 1 hr
MVX 242X Performance II 2 hrs

Sophomore Year - Spring 16 hrs
MUT 2127 Music Theory and Musician ship IV 4 hrs
MVX 2122 Class Piano IV 1 hr
MUC 2104C Composition II 2 hrs
1MGF 1106 Finite Mathematics 3 hrs
MUS 1010 Music Forum 0 hrs
MUN XXXX Major Ensemble 1 hr
MVX 242X Performance II 2 hrs
MUL 2720 Music of the World 3 hrs

1 (GEP C.1.)

Junior Year - Fall 16 hrs
MUH 3211 Music History and Literature I 3 hrs
MUT 4571 Analysis of Twentieth-Century Music 3 hrs
MUC 3105C Composition III 3 hrs
MUS 1010 Music Forum 0 hrs
MUX 3/4XXX Restricted Electives 3 hrs
Cultural/Historical Foundation 3 hrs
MUN XXXX Major Ensemble 1 hr

Junior Year - Spring 16 hrs
1STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
2MUH 3212 Music History and Literature II 3 hrs
MUT 4571 Orchestration 3 hrs
MUC 3105C Composition III 3 hrs
MUS 1010 Music Forum 0 hrs
MUN XXXX Major Ensemble 1 hr
MUX 3/4XXX Restricted Electives 3 hrs
1 (GEP C.2.)
2 GEP

Senior Year - Fall 13 hrs
MUC 4106C Composition IV 4 hrs
MUS 1010 Music Forum 0 hrs
Social Foundation 3 hrs
Science Foundation 3 hrs
MUX 3/4XXX Restricted Electives 3 hrs

Senior Year - Spring 13 hrs
MUC 4106C Composition IV 4 hrs
MUT 4401 Counterpoint 3 hrs
MUS 1010 Music Forum 0 hrs
MUC 4950 Composition Recital 0 hrs
Social Foundation 3 hrs
MUX 3/4XXX Restricted Electives 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/aclc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Music - Music Performance Track (B.M.)

College of Arts and Humanities
Department of Music,
Performing Arts Center, Room: M203
http://music.cah.ucf.edu/
Email: musicaud@ucf.edu

Kirk Gay, kirk.gay@ucf.edu, 407-823-5968

Admission Requirements

Audition Requirements for Admission
- Acceptance into the Department of Music is conditional upon completion of a successful audition. Go to http://music.cah.ucf.edu/admissions.php to learn more about specific audition requirements and recommended repertoire for each instrument and voice.
- The audition will serve as a placement examination for accepted candidates.

Professional Sequence Entrance Review
- During the fourth semester of applied study, each student will be required to pass the Professional Sequence Entrance Review, which will include the following:
  - An evaluation of performance skills
  - Completion of Performance I and II
  - Completion of Class Piano IV

- Overall GPA of at least 2.5, and a GPA for all music courses of at least 3.0.
- This review is a pre-requisite for Performance level III.
- Completion of the following courses:
  - MUS 2360C Introduction to Music Technology 3 hrs
  - MUT 2127 Music Theory and Musicianship IV 4 hrs

Degree Requirements
- Prior to attending the first music class as a music major at UCF, all students must take a keyboard placement examination to determine the appropriate level of class piano. Go to http://music.ucf.edu/students to see the class piano requirements.
- Students who change degree programs and select this major must adopt the most current catalog.
- At least 65 hours of credit must be earned in music courses.
- Departmental Residency Requirement; at least 30 hours must be taken from the UCF Music department.
- Performance students must present two faculty-approved public recitals.
- Students should consult with a departmental advisor for course selection.
- Courses designated in 1 (General Education Program) are usually completed throughout four years of study.
- Students must complete a faculty-approved Senior BM web portfolio.
- A cumulative minimum GPA of 3.00 based upon all courses required in the major as well as all courses taken in music is required. Failure to maintain this standard may result in program probation or dismissal. Please refer to the SPA Student Handbook (http://performingarts.cah.ucf.edu/music/resources) for details on program standards.

1. UCF General Education Program (GEP) (36 hrs)
   - (See General Education program for detailed information)

A: Communication Foundations (9 hrs)
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

Take all of the following: 6 hrs
- Required ENC 1101 Composition I and 3 hrs
- Required ENC 1102 Composition II 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Required MUH 3212 Music History and Literature II 3 hrs
- Select one course from B.1 list 3 hrs
- Required MUL 2720 Music of the World 3 hrs
## UCF Degree Programs

### C: Mathematical Foundations (6 hrs)
- Suggested MGF 1106 Finite Mathematics or
- Suggested MGF 1107 Explorations in Mathematics

or
You may substitute a higher level math with appropriate scores on the Math Placement Exam.

### Statistics - Computers (3 hrs)
Select a course from GEP C.2 list

### D: Social Foundations (6 hrs)

### E: Science Foundations (6 hrs)

### 2. Common Program Prerequisites (CPP) (32 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

### 3. Core Requirements: Basic Level (6 hrs)
- MUS 2360C Introduction to Music Technology 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUH 3633 Music in the United States 3 hrs
- MUL 2720 Music of the World GEP

### 4. Core Requirements: Advanced Level (24 hrs)
- MUS 3953 Recital Performance I 0 hrs
- MUS 4954 Recital Performance II 0 hrs
- MUG 3104 Basic Conducting 2 hrs
- MUH 3211 Music History and Literature I 3 hrs
- MUH 3212 Music History and Literature II GEP
- MVX 343X Performance III (2 Semesters) 6 hrs
- MVX 444X Performance IV (2 Semesters) 8 hrs
- MUN XXXX Major Ensemble (four semesters) Piano 4 hrs
- Piano students take MUN 3453; guitar students take MUN 3484
- MVX 141X Performance I (2 semesters) 4 hrs
- MVX 242X Performance II (2 semesters) 4 hrs

### Specialty Requirements (Choose One): 22 hrs
- Piano 22 hrs
- MUL 3400 Piano Literature I and 2 hrs
- MUL 3401 Piano Literature II and 2 hrs
- MUL 4640 Piano Pedagogy I and 2 hrs
- MUN 3453 Piano Ensemble and 1 hr
- MUN 3453 Piano Ensemble and 1 hr
- Electives 5 hrs

### Guitar 22 hrs
- MUL 4437 String Literature and Pedagogy and 3 hrs
- MUN 3487 Guitar Ensemble and 1 hr
- MUN 3487 Guitar Ensemble and 1 hr
- Restricted Electives and 12 hrs
- Electives 5 hrs

### Voice 22 hrs
- MUS 1250 IPA for Singers and 1 hr
- MUS 3255 German and English Lyric Diction and 2 hrs
- MUS 3254 Italian and French Lyric Diction and 2 hrs
- MVV 4640 Voice Pedagogy and 2 hrs
- MUL 3602 Song Literature and 3 hrs
- MUN XXXX Major Ensembles and 2 hrs
- MUN XXXX Minor Ensembles and 2 hrs
- Foreign Language (French, German, or Italian) 8 hrs

### Woodwinds 22 hrs
- MUL 4444 Woodwind Literature and Pedagogy and 3 hrs
- MUN XXXX Major Ensembles and 2 hrs
- MUN XXXX Minor Ensembles and 4 hrs
- Electives 5 hrs

### Brass 22 hrs
- MUL 4443 Brass Literature and Pedagogy and 3 hrs
- MUN XXXX Major Ensembles and 2 hrs
- MUN XXXX Minor Ensembles and 4 hrs
- Electives 5 hrs

### Percussion 22 hrs
- MUL 3463 Percussion Literature and 2 hrs
- MVP 3630 Percussion Pedagogy and 2 hrs
- MUN XXXX Major Ensembles and 2 hrs
- MUN XXXX Minor Ensembles and 4 hrs
- Electives 5 hrs

### Strings 22 hrs
- MUL 4437 String Literature and Pedagogy and 3 hrs
- MUN XXXX Major Ensembles and 2 hrs
- MUN XXXX Minor Ensembles and 4 hrs
- Electives 5 hrs

### 5. Restricted Electives
- 0-15 hrs
- None

### 6. Electives
- Select primarily from upper level courses. May be outside of the department.

### 7. Additional Requirements
- Minor Ensemble Participation
  - Selected from University Chorus, Women’s Chorus, Symphony Orchestra, Concert Band, Wind Ensemble, and Marching Band. Four hours of Jazz Ensemble may be used as Major Ensemble credit.

### Minor Ensemble Participation
- If Minor Ensemble is taken at UCF, the semester hours of credit must be spread over at least two separate semesters.
- If Minor Ensemble credits are transferred to UCF, each remaining credit must be taken in a separate semester.

### 8. Required Minors
- None

### 9. Departmental Exit Requirements
- Earn a grade of “C” (2.0) or better in each Music course.
- Computer Competency met by the following course, or departmental examination:
  - MUS 2360C Introduction to Music Technology 3 hrs

### 10. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

**Total Semester Hours Required**
- 120

**Honors in Major**
- None

**Related Programs**
- Music Education
- Music
- Theatre - Musical Theatre Track

**Certificates**
- None

**Related Minors**
- Music
- Theatre
- Digital Media

**Advising Notes**
- None

**Transfer Notes**
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

**Acceptable Substitutes for Transfer Courses**
- None

**Plan of Study**
- Program A: Strings, Woodwinds, Brass

### Freshman Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101: Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUT 1121: Music Theory and Musicianship I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MVK 1111: Class Piano I</td>
<td>1 hr</td>
</tr>
<tr>
<td>MUS 1010: Music Forum</td>
<td>0 hrs</td>
</tr>
<tr>
<td>MUH 3633: Music in the United States</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUN XXXX: Major Ensemble</td>
<td>1 hr</td>
</tr>
<tr>
<td>MVX 141X: Performance I</td>
<td>2 hrs</td>
</tr>
</tbody>
</table>

**Freshman Year - Spring**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1102: Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUT 1122: Music Theory and Musicianship II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MVK 1112: Class Piano II</td>
<td>1 hr</td>
</tr>
<tr>
<td>MUS 1010: Music Forum</td>
<td>0 hrs</td>
</tr>
<tr>
<td>MUS 2360C: Introduction to Music Technology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUN XXXX: Major Ensemble</td>
<td>1 hr</td>
</tr>
<tr>
<td>MVX 141X: Performance I</td>
<td>2 hrs</td>
</tr>
<tr>
<td>Science Foundation</td>
<td>3 hrs</td>
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</tbody>
</table>

**Sophomore Year - Fall**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPC 1608: Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUT 2126: Music Theory and Musicianship III</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MVK 2121: Class Piano III</td>
<td>1 hr</td>
</tr>
<tr>
<td>MUS 1010: Music Forum</td>
<td>0 hrs</td>
</tr>
<tr>
<td>MUG 3104: Basic Conducting</td>
<td>2 hrs</td>
</tr>
<tr>
<td>STA 1063C: Basic Statistics Using Microsoft Excel</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUN XXXX: Major Ensemble</td>
<td>1 hr</td>
</tr>
<tr>
<td>MVX 242X: Performance II</td>
<td>2 hrs</td>
</tr>
</tbody>
</table>

**Sophomore Year - Spring**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUT 2127: Music Theory and Musicianship IV</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MVK 2122: Class Piano IV</td>
<td>1 hr</td>
</tr>
<tr>
<td>MUS 1010: Music Forum</td>
<td>0 hrs</td>
</tr>
<tr>
<td>MGF 1106: Finite Mathematics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUL 2720: Music of the World</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUN XXXX: Major Ensemble</td>
<td>1 hr</td>
</tr>
<tr>
<td>MUN XXXX: Minor Ensemble</td>
<td>1 hr</td>
</tr>
<tr>
<td>MVX 242X: Performance II</td>
<td>2 hrs</td>
</tr>
<tr>
<td>Professional Sequence Entrance Interview</td>
<td></td>
</tr>
</tbody>
</table>

**Junior Year - Fall**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUH 3211: Music History and Literature I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUS 1010: Music Forum</td>
<td>0 hrs</td>
</tr>
<tr>
<td>Cultural &amp; Historical Foundation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MVX 343X: Performance III</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUX 34XXXX: Restricted Electives</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUN XXXX: Major Ensemble</td>
<td>1 hr</td>
</tr>
<tr>
<td>MUN XXXX: Minor Ensemble</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

**Senior Year - Fall**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUT 1010: Music Forum</td>
<td>0 hrs</td>
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<tr>
<td>MUS 4954: Recital Performance II</td>
<td>0 hrs</td>
</tr>
<tr>
<td>Free Elective</td>
<td>2 hrs</td>
</tr>
<tr>
<td>Social Foundation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MVX 444X: Performance IV</td>
<td>4 hrs</td>
</tr>
<tr>
<td>Science Foundation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUN XXXX: Major Ensemble</td>
<td>1 hr</td>
</tr>
<tr>
<td>MUN XXXX: Restricted Elective</td>
<td>1 hr</td>
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**Senior Year - Spring**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101: Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUT 1121: Music Theory and Musicianship II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MVK 1111: Class Piano I</td>
<td>1 hr</td>
</tr>
<tr>
<td>MUS 1010: Music Forum</td>
<td>0 hrs</td>
</tr>
<tr>
<td>MUH 3633: Music in the United States</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MVP 1411: Percussion I</td>
<td>2 hrs</td>
</tr>
<tr>
<td>MUN XXXX: Major Ensemble</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

**Program B: Percussion**

**Freshman Year - Fall**

<table>
<thead>
<tr>
<th>Course</th>
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</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101: Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUT 1121: Music Theory and Musicianship II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MVK 1111: Class Piano I</td>
<td>1 hr</td>
</tr>
<tr>
<td>MUS 1010: Music Forum</td>
<td>0 hrs</td>
</tr>
<tr>
<td>MUH 3633: Music in the United States</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MVP 1411: Percussion I</td>
<td>2 hrs</td>
</tr>
<tr>
<td>MUN XXXX: Major Ensemble</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

**Freshman Year - Spring**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td>ENC 1102: Composition II</td>
<td>3 hrs</td>
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<tr>
<td>MUT 1122: Music Theory and Musicianship II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MVK 1112: Class Piano I</td>
<td>1 hr</td>
</tr>
<tr>
<td>MUS 1010: Music Forum</td>
<td>0 hrs</td>
</tr>
<tr>
<td>MUG 3104: Basic Conducting</td>
<td>2 hrs</td>
</tr>
<tr>
<td>STA 1063C: Basic Statistics Using Microsoft Excel</td>
<td>3 hrs</td>
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<tr>
<td>MVK 2121: Class Piano III</td>
<td>1 hr</td>
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<tr>
<td>MUN XXXX: Major Ensemble</td>
<td></td>
</tr>
<tr>
<td>MUN XXXX: Minor Ensemble</td>
<td></td>
</tr>
<tr>
<td>MVX 242X: Performance II</td>
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<tr>
<td>Science Foundation</td>
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**Sophomore Year - Fall**

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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>SPC 1608: Fundamentals of Oral Communication</td>
<td>3 hrs</td>
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<tr>
<td>MUT 2126: Music Theory and Musicianship III</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MUN 3443: Percussion Ensemble</td>
<td>1 hr</td>
</tr>
<tr>
<td>MVP 2421: Percussion II</td>
<td>2 hrs</td>
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<tr>
<td>MUS 1010: Music Forum</td>
<td>0 hrs</td>
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<tr>
<td>MUG 3104: Basic Conducting</td>
<td>2 hrs</td>
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<td>STA 1063C: Basic Statistics Using Microsoft Excel</td>
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<td>MVK 2121: Class Piano III</td>
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<td>MUN XXXX: Major Ensemble</td>
<td>1 hr</td>
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**Sophomore Year - Spring**

<table>
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<tr>
<th>Course</th>
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</thead>
<tbody>
<tr>
<td>MUT 2127: Music Theory and Musicianship IV</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MUN 3443: Percussion Ensemble</td>
<td>1 hr</td>
</tr>
<tr>
<td>MVP 2421: Percussion II</td>
<td>2 hrs</td>
</tr>
<tr>
<td>MVK 2122: Class Piano IV</td>
<td>1 hr</td>
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<tr>
<td>MUS 1010: Music Forum</td>
<td>0 hrs</td>
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<tr>
<td>MGF 1106: Finite Mathematics</td>
<td>3 hrs</td>
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<tr>
<td>MUL 2720: Music of the World</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUN XXXX: Major Ensemble</td>
<td>1 hr</td>
</tr>
<tr>
<td>MUN XXXX: Minor Ensemble</td>
<td></td>
</tr>
<tr>
<td>MVX 242X: Performance II</td>
<td></td>
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<tr>
<td>Professional Sequence Entrance Interview</td>
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**Junior Year - Fall**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUH 3211: Music History and Literature I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUP 3431: Percussion I</td>
<td>2 hrs</td>
</tr>
<tr>
<td>MUS 1010: Music Forum</td>
<td>0 hrs</td>
</tr>
<tr>
<td>MUN 3443: Percussion Ensemble</td>
<td>1 hr</td>
</tr>
<tr>
<td>MUT 4571: Analysis of Twentieth-Century Music</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Cultural &amp; Historical Foundation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MVX 34XXXX: Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUN XXXX: Major Ensemble</td>
<td>1 hr</td>
</tr>
</tbody>
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**UNIVERSITY OF CENTRAL FLORIDA**

269 Undergraduate Catalog 2016-2017
### UCF Degree Programs

#### Junior Year - Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUC 3133</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUL 4500</td>
<td>2 hrs</td>
</tr>
<tr>
<td>MUS 3345</td>
<td>2 hrs</td>
</tr>
<tr>
<td>MUS 1010</td>
<td>0 hrs</td>
</tr>
<tr>
<td>MUS 3341</td>
<td>1 hr</td>
</tr>
<tr>
<td>MUS 3953</td>
<td>0 hrs</td>
</tr>
<tr>
<td>MUX 34XX</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUS XXXX</td>
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#### Senior Year - Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>MUS 1010</td>
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</tr>
<tr>
<td>MUS 3453</td>
<td>1 hr</td>
</tr>
<tr>
<td>MUS 4450</td>
<td>2 hrs</td>
</tr>
<tr>
<td>MUS 4441</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MUS 3487</td>
<td>1 hr</td>
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<tr>
<td>MUS 3487</td>
<td>2 hrs</td>
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<tr>
<td>MUS 1010</td>
<td>0 hrs</td>
</tr>
<tr>
<td>MUS 3333</td>
<td>3 hrs</td>
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#### Program C: Piano

<table>
<thead>
<tr>
<th>Freshman Year - Fall</th>
<th>14 hrs</th>
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</thead>
<tbody>
<tr>
<td>ENC 1101 Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUS 1121 Music Theory and Musicianship I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MUH 3453 Piano Ensemble</td>
<td>1 hr</td>
</tr>
<tr>
<td>MVK 1111 Class Piano I</td>
<td>1 hr</td>
</tr>
<tr>
<td>MUS 1010 Music Forum</td>
<td>0 hrs</td>
</tr>
<tr>
<td>MUS 3333 Music in the United States</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MVK 1411 Piano I</td>
<td>2 hrs</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Sophomore Year - Fall</th>
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</thead>
<tbody>
<tr>
<td>ENC 1102 Composition II</td>
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</tr>
<tr>
<td>MUS 1122 Music Theory and Musicianship II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MUH 3453 Piano Ensemble</td>
<td>1 hr</td>
</tr>
<tr>
<td>MVK 1112 Class Piano II</td>
<td>1 hr</td>
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<tr>
<td>MUS 1010 Music Forum</td>
<td>0 hrs</td>
</tr>
<tr>
<td>MUS 2360C Introduction to Music Technology</td>
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<tr>
<td>MVK 1411 Piano I</td>
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<table>
<thead>
<tr>
<th>Junior Year - Spring</th>
<th>14 hrs</th>
</tr>
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<tbody>
<tr>
<td>MUH 3211 Music History and Literature I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUL 3400 Piano Literature I</td>
<td>2 hrs</td>
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<tr>
<td>MUS 1010 Music Forum</td>
<td>0 hrs</td>
</tr>
<tr>
<td>MUS 3453 Piano Ensemble</td>
<td>1 hr</td>
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<tr>
<td>MUS 4571 Analysis of Twentieth-Century Music</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MVK 3341 Piano III</td>
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| Program D: Guitar

<table>
<thead>
<tr>
<th>Freshman Year - Fall</th>
<th>14 hrs</th>
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</thead>
<tbody>
<tr>
<td>ENC 1101 Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUS 1121 Music Theory and Musicianship I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MUH 3453 Piano Ensemble</td>
<td>1 hr</td>
</tr>
<tr>
<td>MVK 1112 Class Piano II</td>
<td>1 hr</td>
</tr>
<tr>
<td>MUS 1010 Music Forum</td>
<td>0 hrs</td>
</tr>
<tr>
<td>MUS 3333 Music in the United States</td>
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<table>
<thead>
<tr>
<th>Sophomore Year - Fall</th>
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<tbody>
<tr>
<td>ENC 1102 Composition II</td>
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<tr>
<td>MUS 1122 Music Theory and Musicianship II</td>
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<tr>
<td>MUH 3453 Piano Ensemble</td>
<td>1 hr</td>
</tr>
<tr>
<td>MVK 1112 Class Piano II</td>
<td>1 hr</td>
</tr>
<tr>
<td>MUS 1010 Music Forum</td>
<td>0 hrs</td>
</tr>
<tr>
<td>MUS 2360C Introduction to Music Technology</td>
<td>3 hrs</td>
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<tr>
<td>MUS 3487 Guitar Ensemble</td>
<td>1 hr</td>
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<tr>
<td>MUS 2360C Introduction to Music Technology</td>
<td>3 hrs</td>
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<tr>
<td>MUL 2720 Music of the World</td>
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<table>
<thead>
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<tbody>
<tr>
<td>MUS 1010 Music Forum</td>
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<tr>
<td>MUS 3453 Piano Ensemble</td>
<td>1 hr</td>
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<tr>
<td>MVK 4450 Piano Pedagogy I</td>
<td>2 hrs</td>
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<tr>
<td>MVK 4441 Piano IV</td>
<td>4 hrs</td>
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<tr>
<td>Social Foundation</td>
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<tr>
<td>Science Foundation</td>
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<table>
<thead>
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<tr>
<td>MUS 3211 Music History and Literature I</td>
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<tr>
<td>MUS 3436 Guitar III</td>
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<tr>
<td>MUS 1010 Music Forum</td>
<td>0 hrs</td>
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<tr>
<td>MUS 3487 Guitar Ensemble</td>
<td>1 hr</td>
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<tr>
<td>MUS 1010 Music Forum</td>
<td>0 hrs</td>
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<tr>
<td>MUS 3953 Recital Performance I</td>
<td>0 hrs</td>
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<tr>
<td>MUS 4346 Guitar IV</td>
<td>4 hrs</td>
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<tr>
<td>MUX 34XXX Restricted Electives</td>
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<table>
<thead>
<tr>
<th>Senior Year - Fall</th>
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<tbody>
<tr>
<td>MUS 1010 Music Forum</td>
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<td>MUS 3487 Guitar Ensemble</td>
<td>1 hr</td>
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<tr>
<td>Social Foundation</td>
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<tr>
<td>Science Foundation</td>
<td>3 hrs</td>
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<tr>
<td>MUX 34XXX Restricted Electives</td>
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<tr>
<td>Free Elective</td>
<td>2 hrs</td>
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</tbody>
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**UNIVERSITY OF CENTRAL FLORIDA**

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### Senior Year - Spring
- MUS 1010  Music Forum  0 hrs
- MUS 4954  Recital Performance II  0 hrs
- MUN 3487  Guitar Ensemble  1 hr
- Social Foundation  3 hrs
- MUX 3/4XXX Restricted Electives  3 hrs
- Free Elective  3 hrs

### Program E: Voice

#### Freshman Year - Fall
- ENC 1101  Composition I  3 hrs
- MUT 1121  Music Theory and Musicianship I  4 hrs
- MUS 1250  IPA for Singers  1 hr
- MVK 1111  Class Piano I  1 hr
- MUS 1010  Music Forum  0 hrs
- MUN 3633  Music in the United States  3 hrs
- MVV 1411  Voice I  2 hrs
- MUN XXXX Major Ensemble  1 hr

#### Freshman Year - Spring
- ENC 1102  Composition II  3 hrs
- MUT 1122  Music Theory and Musicianship II  4 hrs
- MUS 3255  Italian and French Lyric Diction  2 hrs
- MVK 2121  Class Piano III  1 hr
- MUS 1010  Music Forum  0 hrs
- MUG 3104  Basic Conducting  2 hrs
- MVV 2421  Voice II  2 hrs
- MUN XXXX Major Ensemble  1 hr

#### Sophomore Year - Fall
- MGF 1106  Finite Mathematics  3 hrs
- MUS 2360C  Introduction to Music Technology  3 hrs
- MUS 1010  Music Forum  0 hrs
- MUT 2126  Music Theory and Musicianship I  4 hrs
- MUT 2127  Music Theory and Musicianship IV  3 hrs
- STA 1063C  Basic Statistics Using Microsoft Excel  3 hrs
- MUT 4571  Analysis of Twentieth-Century Music  3 hrs

#### Sophomore Year - Spring
- MUN XXXX Major Ensemble  1 hr

#### Junior Year - Fall
- MUN 3211  Music History and Literature I  3 hrs
- MUS 1010  Music Forum  0 hrs
- MUT 4571  Analysis of Twentieth-Century Music  3 hrs
- MUS 3953  IPA for Singers  1 hr
- MVV 3431  Voice III  2 hrs
- Foreign Language Elementary Level I  4 hrs
- MUN XXXX Major Ensemble  1 hr
- MUN XXXX Minor Ensemble  1 hr

#### Junior Year - Spring
- MUN 3212  Music History and Literature II  3 hrs
- MUS 1010  Music Forum  0 hrs
- MUS 4954  Recital Performance II  0 hrs
- MVV 3431  Voice III  2 hrs
- Cultural & Historical Foundation  3 hrs
- Foreign Language Elementary Level II  4 hrs
- MUN XXXX Major Ensemble  1 hr
- MUN XXXX Minor Ensemble  1 hr

#### Senior Year - Fall
- MVV 4640  Voice Pedagogy  2 hrs
- MUS 1010  Music Forum  0 hrs
- MVV 4441  Voice IV  4 hrs
- Social Foundation  3 hrs
- Science Foundation  3 hrs
- MUN XXXX Major Ensemble  1 hr

#### Senior Year - Spring
- MUL 3602  Song Literature  3 hrs
- MUS 1010  Music Forum  0 hrs
- MUS 4954  Recital Performance II  0 hrs
- MVV 4441  Voice IV  4 hrs
- Social Foundation  3 hrs
- Science Foundation  3 hrs
- MUN XXXX Major Ensemble  1 hr

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**University of Central Florida**

**College of Arts and Humanities**

**Department of Music,**

**Performing Arts Center - Music, Room: M203**

**Email:** musicaud@ucf.edu

Dr. Kelly Miller, Kelly.Miller@ucf.edu, 407-823-4545

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**Admission Requirements**

**Admission Requirements - Music Education**

- **Audition.** To be accepted into the Music Education, a student must demonstrate advanced proficiency by performing compositions representing a variety of musical periods (baroque, classical, romantic, contemporary).
- **MemORIZATION.** Is required for pianists and vocalists.
- **Accompanists.** Are provided for vocalists only.
- **Each candidate** must bring his/her own audition music.
- **The department** will provide large instruments such as a tuba, string, bass, or timpani for these auditions.
- **The audition will serve as an exam** for candidates.
- **Refer to the UCF Music Department website** for specific audition requirements.

**Admission Requirements - Professional Program**

- **Application** into the Professional Program must be made at the conclusion of 45 hours of course work. Students must complete a formal application for the Program. (Deadlines: February 15 for Fall semester admission and September 15 for Spring semester admission). Transfers may be admitted on an individual basis at the discretion of the Music Education faculty. To apply for the Music Education Professional Program, students must:
  - Complete 45 hours of coursework including: 15 hours of General Education Program courses, EDF 2005, MUT 2126, first semester of Performance II.
  - Have a minimum overall GPA of 2.5 and a grade of “C” (2.0) or better in each performance, education, and music education course.
  - Have on file in the University admissions office passing scores on the General Knowledge Test of the Florida Teacher Competency Examination.
  - Provide satisfactory documentation and reflection on 15 hours of field experiences (See Music Education Coordinator for more information).

**To be accepted into the Music Education Professional Program students must:**

- Demonstrate proficiency with aural skills (including the ability to match pitch with the voice) and communication skills (including the ability to write and speak effectively).
- Complete MVK 2122, MUT 2127, and two semesters of Performance II.
UCF Degree Programs

Notes:
- (1) Students may not enroll in Performance III or Professional Program courses unless all requirements for admission are satisfied.
- (2) Students who change degree programs and select this major must adopt the most current catalog.
- (3) Common program prerequisites are subject to revision based on changes Section 1004.04, Florida Statutes, Public Accountability and State Approval for Teacher Preparation Programs, and State Board of Education Rule 6A-5.5.066, Approval of Pre-service Teacher Preparation Programs.

Degree Requirements
- A cumulative minimum GPA of 3.00 based upon all courses required in the major as well as all courses taken in music is required. Failure to maintain this standard may result in program probation or dismissal. Please refer to the SPA Student Handbook (http://performingarts.cah.ucf.edu/music/resources) for details on program standards.

1. UCF General Education Program (GEP) (36 hrs)
- (See General Education Program for detailed information)

A: Communication Foundations (9 hrs)
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs
- Take all of the following:
  - Required ENC 1101 Composition I and 3 hrs
  - Required ENC 1102 Composition II 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Required MUH 3212 Music History and Literature II 3 hrs
- Prefer AMH 2010 U.S. History: 1492-1877 3 hrs
- Required MUL 2720 Music of the World 3 hrs

C: Mathematical Foundations (6 hrs)
- Math 3 hrs
- Suggested MGF 1106 Finite Mathematics or 3 hrs
- Suggested MGF 1107 Explorations in Mathematics or 3 hrs

Statistics - Computers 3 hrs
- Select a course from GEP C.2 list 3 hrs

D: Social Foundations (6 hrs)
- Prefer ANH 2020 U.S. History: 1877-Present 3 hrs
- Prefer PSY 2012 General Psychology 3 hrs

E: Science Foundations (6 hrs)
- Prefer PSC 1121 Physical Science 3 hrs

2. Common Program Prerequisites (CPP) (38 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

EDF 2005 Introduction to the Teaching Profession 3 hrs
EDF 2085 Introduction to Diversity for Educators 3 hrs
MUT 1121 Music Theory and Musicianship I 4 hrs
MUT 1122 Music Theory and Musicianship II 4 hrs
MUT 2126 Music Theory and Musicianship III 4 hrs
MUT 2127 Music Theory and Musicianship IV 4 hrs
MVK 2122 Class Piano IV 1 hr
MUS 1010 Music Forum 0 hrs
MUN XXXX Major Ensembles (4 semesters) 4 hrs
MVX 141X Performance I (2 semesters) 4 hrs
MVX 242X Performance II (2 semesters) 4 hrs

3. Core Requirements: Basic Level (5 hrs)
- MUS 1010 Music Forum CPP
- MUT 1121 Music Theory and Musicianship I CPP
- MUT 1122 Music Theory and Musicianship II CPP
- MUT 2126 Music Theory and Musicianship III CPP
- MUT 2127 Music Theory and Musicianship IV CPP
- MVK 2122 Class Piano IV CPP
- MUH 3633 Music in the United States 3 hrs
- MUL 2720 Music of the World GEP
- MUN XXXX Major Ensembles (2 semesters) 2 hrs
- MVX 141X Performance I (2 semesters) CPP
- MVX 242X Performance II (2 semesters) CPP

1 4 semesters
- 6 total hours of major ensemble (MUN XXXX) required; 4 hours are reflected in the CPP and 2 hours are reflected in the Core: Basic Level.

4. Core Requirements: Advanced Level (29 hrs)
- MUG 3104 Basic Conducting 2 hrs
- MUH 3211 Music History and Literature I 3 hrs
- MUH 3212 Music History and Literature II GEP
- MUE 3942 Music Internship I 3 hrs
- MUE 3333 Music Learning Theory and Assessment 3 hrs
- MUE 4311 Elementary School Music Methods 2 hrs
- MVX 343X Performance III (2 Semesters) 4 hrs

Education Core 12 hrs
- EDG 4410 Teaching Strategies and Classroom Management and 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools and 3 hrs
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools and 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs

5. Restricted Electives (26 hrs)
- Music Education Specialty Area Courses and Professional Program Courses
- Complete one program

Program A - Instrumental
- MUE 2346 Vocal Techniques 1 hr
- MUG 3302 Instrumental Conducting and Materials 2 hrs
- MUE 4332 Secondary Instrumental Methods I 3 hrs
- MUE 4943 Music Internship II 12 hrs

Select 1: 3 hrs
- MUE 4337 Secondary Instrumental Methods II or 3 hrs
- MUE 4441 String Methods 3 hrs

Select 5: 5 hrs
- MUE 2450 Woodwind Techniques I or 1 hr
- MUE 3451 Woodwind Techniques II or 1 hr
- MUE 2460 Brass Techniques or 1 hr
- MUE 3461 Brass Techniques II or 1 hr
- MUE 2470 Percussion Techniques or 1 hr
- MUE 2471 Percussion Techniques II or 1 hr
- MUE 2440 String Techniques 1 hr

Program B - Choral
- MUS 1230 IPA for Singers 1 hr
- MUG 3020 Choral Conducting and Materials 2 hrs
- MUM 4604 Voice Pedagogy 2 hrs
- MUE 4331 Secondary Choral Methods I 3 hrs
- MUE 4332 Secondary Choral Methods II 3 hrs
- MUE 4943 Music Internship II 12 hrs

Select 3: 3 hrs
- MUE 2450 Woodwind Techniques I or 1 hr
- MUE 3451 Woodwind Techniques II or 1 hr
- MUE 2460 Brass Techniques or 1 hr
- MUE 3461 Brass Techniques II or 1 hr
- MUE 2470 Percussion Techniques or 1 hr
- MUE 2471 Percussion Techniques II or 1 hr
- MUE 2440 String Techniques 1 hr

Program C - Elementary School
- MUE 2346 Vocal Techniques 1 hr
- MUE 4333 Music and Students with Special Needs 2 hrs
- MUE 3335 General Music Literature and Techniques 2 hrs
- MUE 4331 Secondary Choral Methods I 3 hrs
- MUE 4943 Music Internship II 12 hrs
- MUG 3X02 Choral or Instrumental Conducting and Materials 2 hrs

Select 4: 4 hrs
- MUE 2450 Woodwind Techniques I or 1 hr
- MUE 3451 Woodwind Techniques II or 1 hr
- MUE 2460 Brass Techniques or 1 hr
- MUE 3461 Brass Techniques II or 1 hr
MUE 2470  Percussion Techniques or 1 hr
MUE 2471  Percussion Techniques II or 1 hr
MUE 2440  String Techniques 1 hr

6. Capstone Requirements
■ None

7. Foreign Language Requirements
Admissions
■ Two years of foreign language in high school or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
■ None

8. Electives
■ None

9. Additional Requirements
Admission to Internship I will be granted to students who meet the following requirements:
■ Have on file passing scores on all 4 parts of the Florida Teacher Certification General Knowledge Test (no alternatives or waivers will be accepted).
■ Possess minimum overall GPA of 2.5.
■ Possess minimum specialization GPA of 2.5.
■ Achieve a “C” or better in all prerequisite methods/specialization courses.
■ Complete a formal application for Internship I online (Deadlines: February 15 for fall semester and September 15 for spring semester).
■ Current enrollment in or completion of Performance III (first semester).
■ Completion of Music Education prerequisites and Education Core Requirements.
■ Completion of 30 semester hours of General Education and Common Program courses.
■ Completion of all Specialty Area courses except Secondary Methods II (MUE 433X) and Music Internship II (MUE 4943).
■ Possess minimum professional preparation GPA of 2.5.
■ Internship I: Students are assigned to a school with certified Supervising Teachers under the direction of a University Coordinator. During the semester, students spend two full days per week (Tuesday and Thursday) in assigned schools with half the time in an Elementary setting and half in a Secondary school setting. Students are expected to provide their own transportation to assigned locations.

Admission to Internship II will be granted to students who meet the following requirements:
■ Completion of all admission requirements for Internship I (see above).
■ Completion of Performance III and any associated recital (students may not perform a recital during Internship II).
■ Completion of all music methods and techniques courses.
■ Completion of all General Education and Common Program courses.
■ Internship II: Students are assigned to a school with certified Supervising Teachers under the direction of a University Coordinator five days a week for the entire semester, normally during the student’s last semester. Students are permitted to enroll in other classes only with the consent of the departmental advisor. Students are expected to provide their own transportation to assigned locations.

Special Non-Course Requirements
■ Note: Contact the Music Education Advisor for details.
■ Students should register to take the General Knowledge Test of the Florida Teaching Certification Examination (FTCE) before the third semester of enrollment at UCF. (See http://www.fldoe.org/ftce/ for test information).

Electronic Portfolio (MUE 4791). Students will develop an electronic portfolio while enrolled in upper division education courses and Internship II (MUE 4943). The portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices. Consult with the Music Education Advisor for specific information regarding portfolio construction.

Ensemble Participation
■ Selected from University Chorus, Women’s Chorus, Symphony Orchestra, Concert Band, and Wind Ensemble. Four hours of Jazz Lab or one hour of Marching Band may be used to fulfill Major Ensemble requirements.
■ Students whose primary instrument is a wind instrument must audition for Wind Ensemble whenever it is offered.
■ Ensemble assignment is made by the Ensemble directors in consultation with the applied faculty.
■ Transfer students must take Major Ensemble during each of their remaining semesters, except when enrolled in Internship II.
■ Native UCF students must take each Major Ensemble credit in separate semesters.
■ Students enrolled in a Performance course must concurrently enrolled in an appropriate major ensemble if accepted.

Recitals
■ Students must complete a faculty-approved public recital fulfilled by MUS 3953. Recitals are normally performed while concurrently enrolled in the second semester of Performance III.

Music Education Forums
■ Attendance at all Music Education Forums (except during Internship I and II) is expected.

Public School Partnerships
■ Students are expected to be in K-12 schools each semester. Prior to internship experiences, students are expected to observe, assist, and teach in variety of grade levels and settings (e.g., urban, suburban, general, choral, instrumental). Students are expected to maintain a record of and reflections on all field experiences as this will be required for the Music Education Proficiency Examination.

10. Required Minors
■ None

11. Departmental Exit Requirements
■ Have on file passing scores for the General Knowledge, Professional Education, and Subject Area subtests of the Florida Teacher Certification Examination. (See for specific test information)
■ A minimum GPA of 2.5 is required in all courses within the major.
■ A grade of “C” (2.0) or better in each performance and music education course.

Departmental Residency Requirement: at least 25 hours must be taken from the UCF Music Department. In addition, music education students must complete their last two semesters of required performance, recital, and Internship II while attending UCF.
■ Computer competency is met through the following: MUE 3893 Technology in Music Education 2 hrs

12. University Minimum Exit Requirements
■ A 2.0 UCF GPA
■ 60 semester hours earned after CLEP awarded
■ 48 semester hours of upper division credit completed
■ 30 of the last 39 hours of course work must be completed in residency at UCF.
■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
■ Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
■ 134
## UCF Degree Programs

### Honors In Major
- None

### Related Programs
- Music
- Theatre

### Certificates
- Florida Teaching Certification: Music K-12

### Related Minors
- Music
- Theatre

### Advising Notes
- Consult with the music education advisor for course selection.

### Transfer Notes
- Students transferring to UCF must pass an audition and interview in order to be accepted into the music education program (See Admissions Requirements above).
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
- NOTE: Education majors are required to take six hours (in addition to EDF 2085) that have an international or diversity focus. While native UCF students complete this requirement as part of the GEP, transfer students must take appropriate courses that have been so designated by their previous institution.

### Acceptable Substitutes for Transfer Courses
- None

### Plan of Study
- None

### Select 1:
- MUE 4335 Secondary Choral Methods I or 3 hrs
- MUE 4441 String Methods I or 3 hrs
- GEP 3 hrs
- MVX 343X Performance III or 2 hrs
- MUE XXXX Ensemble or 1 hr
- CMENC/Schools
- CMENC
- CMENC
- MUE 4333 Music Learning Theory and Assessment or 3 hrs
- MUE 4335 Secondary Choral Methods II or 3 hrs
- MUE 4441 String Methods II or 3 hrs
- GEP 3 hrs
- MVX 343X Performance III or 2 hrs
- MUE XXXX Ensemble or 1 hr
- CMENC/Schools
- CMENC
- CMENC

### Senior Year - Spring
- ESE 3940 Internship I - Secondary or 3 hrs
- MUE 3333 Music Learning Theory and Assessment or 3 hrs
- ESE 4943 Internship II - Secondary or 3 hrs
- GEP 3 hrs
- MUE 3333 Music Learning Theory and Assessment or 3 hrs
- MUE 4335 Secondary Choral Methods II or 3 hrs
- MUE 4441 String Methods II or 3 hrs
- GEP 3 hrs
- MVX 343X Performance III or 2 hrs
- MUE XXXX Ensemble or 1 hr
- CMENC/Schools
- CMENC
- CMENC

### Senior Year - Summer
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs

### Program B - Choral Program K-12

#### Freshman Year - Fall
- EDF 2005 Introduction to the Teaching Profession or 3 hrs
- MUE 1011 Class Piano I or 1 hr
- MUE 1010 Music Forum or 0 hrs
- MVX 1411 Performance I or 2 hrs
- MUN XXXX Ensemble or 1 hr
- CMENC/Schools
- GEP 3 hrs
- GEP 3 hrs

#### Sophomore Year - Spring
- MUE 2126 Music Theory and Musicianship III or 4 hrs
- MVX 2122 Class Piano III or 1 hr
- MUS 2121 Music History and Literature I or 3 hrs
- MUS 1010 Music Forum or 0 hrs
- MUL 2720 Music of the World or 3 hrs
- MUE XXXX Techniques or 1 hr
- MVX 242X Performance II or 2 hrs
- MUN XXXX Ensemble or 1 hr
- CMENC/Schools

#### Junior Year - Fall
- MUG 3302 Instrumental Conducting and Materials or 1 hr
- MUE 4335 Secondary Choral Methods II or 3 hrs
- GEP 3 hrs
- MVX 343X Performance III or 2 hrs
- MUE XXXX Ensemble or 1 hr
- CMENC/Schools

#### Senior Year - Spring
- ESE 3940 Internship I - Secondary or 3 hrs
- MUE 3333 Music Learning Theory and Assessment or 3 hrs
- ESE 4943 Internship II - Secondary or 3 hrs
- GEP 3 hrs
- MUE 3333 Music Learning Theory and Assessment or 3 hrs
- MUE 4335 Secondary Choral Methods II or 3 hrs
- MUE 4441 String Methods II or 3 hrs
- GEP 3 hrs
- MVX 343X Performance III or 2 hrs
- MUE XXXX Ensemble or 1 hr
- CMENC/Schools
- CMENC
- CMENC

#### Freshman Year - Fall
- EDF 2005 Introduction to the Teaching Profession or 3 hrs
- MVX 141X Performance I or 2 hrs
- MUE XXXX Techniques or 1 hr
- MUE XXXX Techniques or 1 hr
- MVX 141X Performance I or 2 hrs
- MUN XXXX Ensemble or 1 hr
- CMENC/Schools
- MUH 3215 Music in the United States or 3 hrs

#### Sophomore Year - Spring
- MUG 3014 Basic Conducting or 2 hrs
- MUE 4335 Secondary Choral Methods II or 3 hrs
- EDF 4410 Teaching Strategies and Classroom Management or 3 hrs
- EDG 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools or 3 hrs
- MUS 1010 Music Forum or 0 hrs
- MUE XXXX Techniques or 1 hr
- MVX 343X Performance III or 2 hrs
- MUN XXXX Ensemble or 1 hr
- CMENC/Schools

#### Junior Year - Fall
- ESE 3940 Internship I - Secondary or 3 hrs
- MUE 3333 Music Learning Theory and Assessment or 3 hrs
- ESE 4943 Internship II - Secondary or 3 hrs
- GEP 3 hrs
- MUE 3333 Music Learning Theory and Assessment or 3 hrs
- MUE 4335 Secondary Choral Methods II or 3 hrs
- MUE 4441 String Methods II or 3 hrs
- GEP 3 hrs
- MVX 343X Performance III or 2 hrs
- MUE XXXX Ensemble or 1 hr
- CMENC/Schools

#### Senior Year - Summer
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs

#### Program B - Choral Program K-12

#### Freshman Year - Fall
- EDF 2005 Introduction to the Teaching Profession or 3 hrs
- MVX 141X Performance I or 2 hrs
- MUE XXXX Techniques or 1 hr
- MUE XXXX Techniques or 1 hr
- MVX 141X Performance I or 2 hrs
- MUN XXXX Ensemble or 1 hr
- CMENC/Schools
- MUH 3215 Music in the United States or 3 hrs

#### Sophomore Year - Spring
- MUG 3014 Basic Conducting or 2 hrs
- MUE 4335 Secondary Choral Methods II or 3 hrs
- EDF 4410 Teaching Strategies and Classroom Management or 3 hrs
- EDG 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools or 3 hrs
- MUS 1010 Music Forum or 0 hrs
- MUE XXXX Techniques or 1 hr
- MVX 343X Performance III or 2 hrs
- MUN XXXX Ensemble or 1 hr
- CMENC/Schools

#### Junior Year - Fall
- ESE 3940 Internship I - Secondary or 3 hrs
- MUE 3333 Music Learning Theory and Assessment or 3 hrs
- ESE 4943 Internship II - Secondary or 3 hrs
- GEP 3 hrs
- MUE 3333 Music Learning Theory and Assessment or 3 hrs
- MUE 4335 Secondary Choral Methods II or 3 hrs
- MUE 4441 String Methods II or 3 hrs
- GEP 3 hrs
- MVX 343X Performance III or 2 hrs
- MUE XXXX Ensemble or 1 hr
- CMENC/Schools

#### Senior Year - Summer
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs

### Undergraduate Catalog 2016-2017
<table>
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<tr>
<th>Program C - Elementary Program</th>
<th>Sophomore Year - Fall</th>
<th>18 hrs</th>
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<tbody>
<tr>
<td></td>
<td>MUS 1010 Music Forum</td>
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<td></td>
<td>MUS 2126 Music Theory and Musicianship III</td>
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<td>MVK 2121 Class Piano III</td>
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<td>MUH 3211 Music History and Literature I</td>
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<td></td>
<td>MUL 2720 Music of the World</td>
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<td></td>
<td>MUE XXXX Techniques</td>
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<td></td>
<td>MVX 242X Performance II</td>
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<td>Senior Year - Fall</td>
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<td></td>
<td>MUE XXXX Techniques</td>
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<td></td>
<td>MVX 242X Performance II</td>
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<tr>
<td></td>
<td>MUN XXXX Ensemble</td>
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<th>Junior Year - Fall</th>
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<td>MUS 1010 Music Forum</td>
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<td>MUG 3104 Basic Conducting</td>
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<td>MUE 4331 Secondary Choral Methods I</td>
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<td>EDG 4410 Teaching Strategies and Classroom Management</td>
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<td>EDF 4603 Introduction to Music Technology</td>
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<td>MUE XXXX Techniques</td>
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<td>MVX 343X Performance III</td>
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<td>MUN XXXX Ensemble</td>
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<td>MUE 3333 Music Learning Theory and Assessment</td>
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<th>Program Academic Learning Compacts</th>
<th>Freshman Year - Fall</th>
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<tr>
<td></td>
<td>EDF 2005 Introduction to the Teaching Profession</td>
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<tr>
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<td>MUS 2126 Music Theory and Musicianship III</td>
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<td>MVK 2121 Class Piano III</td>
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<td>MUS 2346 Vocal Techniques</td>
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<tr>
<td></td>
<td>GEP</td>
<td>6 hrs</td>
</tr>
<tr>
<td></td>
<td>MVX 141X Performance I</td>
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<td></td>
<td>MUN XXXX Ensemble</td>
<td>1 hr</td>
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<td>CMENC/Schools</td>
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<table>
<thead>
<tr>
<th>Freshman Year - Spring</th>
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<tr>
<td>MUH 3633 Music in the United States</td>
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<tr>
<td>MUS 3633 Music Theory and Musicianship II</td>
<td>4 hrs</td>
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<tr>
<td>MUS 1010 Music Forum</td>
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<tr>
<td>GEP</td>
<td>6 hrs</td>
</tr>
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</table>

**Undergraduate Catalog 2016-2017**

**UNIVERSITY OF CENTRAL FLORIDA**

**Program Academic Learning Compacts**
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

**Equipment Fees**
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term
Admission Requirements

- Acceptance to the university does not constitute admission to the upper division nursing program.
- Separate application to the limited access program must be made directly to the College of Nursing by the posted deadline. For application deadlines, please visit http://www.nursing.ucf.edu.
- Admission to the University must also be completed by the program application deadline.
- All general education, foreign language, and program prerequisite requirements must be completed prior to the start of the program. Students who transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.
- All applicants must have a minimum overall GPA of 3.0.
- A standardized test and predetermined cutoff score will be required for acceptance to the College of Nursing. Information regarding this test can be found at http://www.nursing.ucf.edu.
- All applicants are encouraged to attend an information session, prior to submitting the application.
- Criminal background checks including fingerprints are required for all applicants to the undergraduate nursing program. The results are reviewed as part of the admission process and may be grounds for denying a student admission to the College of Nursing.
- At least seven (7) of the eight (8) Common Program Prerequisites must be completed by the program application deadline with at least a grade of "C" (2.0) or better in each course.
- All 8 prerequisite courses must be completed before program begins.

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog year, including any minors.
- Students should consult with a college advisor or Florida College System A.A. transfer advisor regarding completion of General Education requirements and the Common Program Prerequisites.
- A minimum overall GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation and graduation from the Nursing Program.
- UCF Residency Requirement: 30 hours.

1. UCF General Education Program (GEP) (38 hrs)

- Note: Certain courses must be selected in the GEP for this major, bringing the total GEP hours to more than 36. The courses designated in sections 1 and 2 below may be taken at a Florida College System or State University System institution, and should be completed in the first 60 hours.

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

1. Mathematics (3 hrs)

2. Statistics (3 hrs)

3. Life Sciences (4 hrs)

4. Social Sciences (3 hrs)

D: Social Foundations (6 hrs)

1. Economics/Political Science (3 hrs)

2. Social Sciences (3 hrs)

E: Science Foundations (8 hrs)

1. Physical Sciences (3 hrs)

2. Life Sciences (4 hrs)

2. Common Program Prerequisites (CPP) (21 hrs)

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information and possible substitutions.
- Some of these courses have prerequisites that must be taken first.
- Students should consult with an advisor in the College of Nursing for clarification of questions regarding prerequisite requirements.
- Any variation from the stated prerequisites must be approved in writing by the College of Nursing. Petition forms are available on the College of Nursing website at http://www.nursing.ucf.edu.

Select 1:

- STA 2014C Principles of Statistics or 3 hrs
- STA 2023 Statistical Methods I GEP

Select 1:

- SOW 3104 Human Behavior and the Social Environment I or 3 hrs
- DEP 2004 Developmental Psychology 3 hrs

Select 1:

- PSY 2012 General Psychology or 3 hrs
- SYG 2000 Introduction to Sociology GEP

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- Note: Certain courses must be selected in the GEP for this major, bringing the total GEP hours to more than 36. The courses designated in sections 1 and 2 below may be taken at a Florida College System or State University System institution, and should be completed in the first 60 hours.

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C: Mathematical Foundations (6 hrs)

1. Mathematics (3 hrs)

2. Statistics (3 hrs)

3. Life Sciences (4 hrs)

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2. Social Sciences (3 hrs)

E: Science Foundations (8 hrs)

1. Physical Sciences (3 hrs)

2. Life Sciences (4 hrs)

2. Common Program Prerequisites (CPP) (21 hrs)

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information and possible substitutions.
- Some of these courses have prerequisites that must be taken first.
- Students should consult with an advisor in the College of Nursing for clarification of questions regarding prerequisite requirements.
- Any variation from the stated prerequisites must be approved in writing by the College of Nursing. Petition forms are available on the College of Nursing website at http://www.nursing.ucf.edu.
NUR 3225 Nursing Care of the Adult I 3 hrs
NUR 3225L Nursing Care of the Adult I: Clinical 2 hrs
Practice
NUR 3816 Professional Nurse Seminar 1 hr
NUR 3445 Nursing Care of Families 4 hrs
NUR 3445L Nursing Care of Families Clinical 2 hrs
NUR 3165 Nursing Research 3 hrs
NUR 4837 Health Care Issues, Policy, and Economics 3 hrs
NUR 4227 Nursing Care of the Adult II 4 hrs
NUR 4227L Nursing Care of the Adult II: Clinical 3 hrs
Practice
NUR 4355 Psychiatric Mental Health Nursing 3 hrs
NUR 4355L Psychiatric Mental Health Clinical 2 hrs
NUR 4257 Introduction to Critical Care Nursing 3 hrs
NUR 4945L Nursing Practicum 4 hrs
NUR 4828 Nursing Leadership, Management and Role Transition 3 hrs
NUR 4637 Public and Community Health Nursing 3 hrs
NUR 4637L Public Health Nursing Clinical 1 hr

5. Restricted Electives (3 hrs)
Nursing Electives
- One College of Nursing elective

6. Capstone Requirements
- None

7. Foreign Language Requirements
Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- None

9. Additional Requirements
- Students pursuing a BS degree must meet the University foreign language admission requirements before admission.
- Mandatory Drug Screening is required prior to admission and “on demand” for continuation in the program. Students must:
  - Complete all courses in major with at least a “C” (2.0) or “S” grade when appropriate.
  - Maintain a UCF GPA of 2.5 or above.
  - Maintain a College of Nursing GPA of 2.5 or above.

10. Required Minors
- None

11. Departmental Exit Requirements
- All courses in major must be “C” (2.0) or better.
- The UCF GPA must be 2.5 or above.
- The College of Nursing GPA must be 2.5 or above.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
Honors Option Requires:
- Open to students with a minimum 3.5 GPA in Nursing.
- Completion of a three credit directed readings course.
- Completion of a three credit thesis course.
- Must earn a minimum cumulative UCF 3.2 GPA.
- Completion of 60 semester hours of college credit, including 12 graded upper division hours at UCF.

Related Programs
- Health Services Administration
- Social Work

Certificates
- Aging Studies

Related Minors
- Psychology
- Health Sciences
- Health Services Administration

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Nursing courses and prerequisite courses transferred from private and out-of-state schools must be evaluated for equivalency credit and approved by the College of Nursing.

The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- The following substitutions for Common Program Prerequisites may be acceptable if taken prior to transferring to UCF. Courses must be petitioned to the College of Nursing if not automatically approved.

   CHM 1032: May substitute a college Chemistry course or approved Science course.
   DEP 2004C: May substitute a Human Growth & Development across Life Span
   HUN 3011: May substitute a Human Nutrition course
   MCB 2004C: May substitute a General Microbiology course which has a lab.
   PCB 3703C: May take an Anatomy and Physiology sequence (AP I & II).
   PSY 2012: May substitute a General Psychology course.
   STA 2014C: May substitute a Statistics course.
   SYG 2000: May substitute an Introductory Sociology course.
   ZOO 3733C: May take an Anatomy and Physiology sequence (AP I & II).

Plan of Study
Freshman Year - Fall
- MAC 1105C College Algebra 3 hrs
- BSC 2010C Biology I 4 hrs
- 1 GEP 3 hrs

Select 1:
- SYG 2000 Introduction to Sociology or 3 hrs
- PSY 2012 General Psychology 3 hrs

1 General Education or SLS 1501

Freshman Year - Spring
- 1 STA 2023 Statistical Methods I 3 hrs
- CHM 1032 General Chemistry 3 hrs
- 2 GEP 3 hrs

Select 1:
- DEP 2004 Developmental Psychology or 3 hrs
- SOW 3104 Human Behavior and the Social Environment I 3 hrs

1 or STA 2014C
2 General Education Course

Freshman Year - Summer
- MCB 2004C Microbiology for Health Professionals 4 hrs

Sophomore Year - Fall
- ZOO 3733C Human Anatomy 4 hrs
- GEP 3 hrs
- HUN 3011 Human Nutrition 3 hrs
- GEP 3 hrs

Sophomore Year - Spring
- PCB 3703C Human Physiology 4 hrs
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs
UF Degree Programs

Junior Year - Fall 15 hrs
NUR 3065 Health Assessment 2 hrs
NUR 3065L Health Assessment Lab 1 hr
NUR 3028 Essentials of Nursing Practice 3 hrs
NUR 3755L Essentials of Nursing Practice Clinical 2 hrs
NUR 3028L Essentials of Nursing Practice Lab 1 hr
NUR 3616 Health Promotion Across the Lifespan 2 hrs
NUR 3616L Health Promotion Across the Lifespan Clinical 1 hr
NUR 3125 Pathophysiology for Nursing Practice 3 hrs

Junior Year - Spring 15 hrs
NUR 3145 Pharmacology for Nursing Practice 3 hrs
NUR 3225 Nursing Care of the Adult I 3 hrs
NUR 3225L Nursing Care of the Adult I: Clinical Practice 2 hrs
NUR 3445 Nursing Care of Families 4 hrs
NUR 3445L Nursing Care of Families Clinical 2 hrs
NUR 3816 Professional Nurse Seminar 1 hr

Junior Year - Summer 9 hrs
NUR 3165 Nursing Research 3 hrs
NUR 4837 Health Care Issues, Policy, and Economics 3 hrs
NUR XXXX Nursing Elective 3 hrs

Senior Year - Fall 12 hrs
NUR 4227 Nursing Care of the Adult II 4 hrs
NUR 4227L Nursing Care of the Adult II: Clinical Practice 2 hrs
NUR 4535 Psychiatric Mental Health Nursing 3 hrs
NUR 4535L Psychiatric Mental Health Clinical 2 hrs
NUR XXXX Nursing Elective if needed 3 hrs

Senior Year - Spring 14 hrs
NUR 4257 Introduction to Critical Care Nursing 3 hrs
NUR 4945L Nursing Practicum 4 hrs
NUR 4637L Public Health Nursing Clinical 1 hr
NUR XXXX Nursing Elective if needed 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oelas.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $25 per term
- Full-Time Student: $50 per term

Nursing - Concurrent A.S.N. to B.S.N. enrollment option (B.S.N.)
College of Nursing
UTWR- 3rd Floor
http://www.nursing.ucf.edu/
Email: ucfnurse@ucf.edu
Dr. Mary Lou Sole, Dean
Dr. Maureen Covelli, Assoc. Dean Undergraduate
Dr. Stephen Heglund, Concurrent Program Coordinator
Phone: 407-823-2744

A partnership between selected Florida College System institutions and UCF College of Nursing to allow qualified Associate of Science in Nursing (ASN) students to enroll in the RN to BSN program while completing the ASN program. This program allows simultaneous enrollment in both associate and baccalaureate nursing programs.

Admission Requirements
- Acceptance to the University does not constitute admission to this program. Only students admitted to the Florida College System institution Nursing Programs are eligible for this enrollment option. Students must make separate application to UCF and the College of Nursing. Students are accepted into this program for their first semester of nursing and must progress according to a designated plan of study.
- Students must be accepted by UCF prior to the Concurrent A.S.N. to B.S.N. application deadline. Upon completion of the ASN and successful licensure as a Registered Nurse, students will enroll in remaining UCF nursing upper division courses to complete the BSN.
- Criminal background checks and drug screening may be required for all Concurrent students prior to their registering for the final practicum course NUR 4604L.
- At the time of application, students must have:
  - A cumulative GPA of 3.0 or above.
  - Completed application to a Florida College System institution ASN Nursing program and the UCF College of Nursing and be admitted to the University by UCF Undergraduate Admissions.
  - An AA degree from a Florida College System or State University System institution or have met ALL UCF General Education requirements prior to program start.
  - Met UCF Foreign Language admission requirement prior to program start.
  - Completed seven out of eight Common Program Prerequisite courses for UCF and all of the ASN nursing program’s prerequisites by application deadline with at least a grade of “C” (2.0) or better in each course.
  - A satisfactory score on the standardized entry test(s) required by both programs.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog year, including minors.
- Students should consult with a college advisor or Florida College System A.A. transfer advisor regarding completion of General Education Program requirements.
- Students should consult with an advisor in the Concurrent Nursing program for clarification of questions regarding prerequisite requirements.
- The courses designated in sections 1 and 2 below may be taken at a Florida College System or State University System institution.
- A minimum overall GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation in and graduation from the nursing program.
- UCF Residency Requirement: 30 hours.
- The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should usually be completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   Prefer MAC 1105C College Algebra 3 hrs
   Select 1:
   Required STA 2014C Principles of Statistics or 3 hrs
   Required STA 2023 Statistical Methods I 3 hrs
   D: Social Foundations (6 hrs)
   Select 1:
   Prefer SYG 2000 Introduction to Sociology or 3 hrs
   Prefer PSY 2012 General Psychology 3 hrs
   E: Science Foundations (7 hrs)
   1 Required BSC 2010C Biology I 4 hrs
   2 Required CHM 1032 General Chemistry 3 hrs

1 Science Foundation is six credit hours for General Education Program.
This BSC course is needed as a course prerequisite for Anatomy and Physiology and Health Microbiology.
2. Common Program Prerequisites (CPP) (18 hrs)

- Applicants should see a UCF Nursing Advisor for possible course substitutions.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCB 2004C</td>
<td>Microbiology for Health Professionals</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 1032</td>
<td>General Chemistry</td>
<td>GEP</td>
</tr>
<tr>
<td>ZOO 3733C</td>
<td>Human Anatomy</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PCB 3703C</td>
<td>Human Physiology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>HUN 3011</td>
<td>Human Nutrition</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Select 1:

1. STA 2023 Statistical Methods I or
2. STA 2014C Principles of Statistics
   - 3 hrs

Select 1:

1. SOW 3104 Human Behavior and the Social Environment I or
2. DEP 2004 Developmental Psychology
   - 3 hrs

Select 1:

1. PSY 2012 General Psychology or
2. SYG 2000 Introduction to Sociology
   - GEP

1. Or other approved science. Also meets General Education Requirements; Applicants should see a UCF Nursing Advisor for possible course substitutions.
2. May take Anatomy and Physiology sequence (AP I & II) of eight total credits.
3. Also meets General Education Requirements; Applicants should see an advisor.

3. Core Requirements: Basic Level

None

4. Core Requirements: Advanced Level (57 hrs)

Seminole State Concurrent Track 28 hrs

- NUR 3856 Professional Socialization Seminar 1 hr
- NUR 4257 Introduction to Critical Care Nursing 3 hrs
- NUR 3805 Dimensions of Professional Nursing Practice 3 hrs
- NUR 3616 Health Promotion Across the Lifespan 2 hrs
- NUR 3165 Nursing Research 3 hrs
- NUR 4837 Health Care Issues, Policy, and Economics 3 hrs
- NUR 4828 Nursing Leadership, Management and Role Transition 3 hrs
- NUR 4637 Public and Community Health Nursing 3 hrs
- NUR 4604C Practicum in Community and Public Health Nursing for RNs 4 hrs
- NUR 3125 Pathophysiology for Nursing Practice 3 hrs

Valencia College Concurrent Track 28 hrs

- NUR 3125 Pathophysiology for Nursing Practice 3 hrs
- NUR 3805 Dimensions of Professional Nursing Practice 3 hrs
- NUR 3806 Professional Socialization Seminar 1 hr
- NUR 3616 Health Promotion Across the Lifespan 2 hrs
- NUR 3065 Health Assessment 2 hrs
- NUR 3065L Health Assessment Lab 1 hr
- NUR 3165 Nursing Research 3 hrs
- NUR 4637 Public and Community Health Nursing 3 hrs
- NUR 4837 Health Care Issues, Policy, and Economics 3 hrs
- NUR 4828 Nursing Leadership, Management and Role Transition 3 hrs
- NUR 4604C Practicum in Community and Public Health Nursing for RNs 4 hrs

Upper Division Credit 29 hrs

- Upper Division Credit may be met by Validation and RN License.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR 3028</td>
<td>Essentials of Nursing Practice</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3028L</td>
<td>Essentials of Nursing Practice Lab</td>
<td>1 hr</td>
</tr>
<tr>
<td>NUR 3753L</td>
<td>Essentials of Nursing Practice Clinical</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3225</td>
<td>Nursing Care of the Adult I Clinical Practice</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3225L</td>
<td>Nursing Care of the Adult II Clinical Practice</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3445</td>
<td>Nursing Care of Families</td>
<td>4 hrs</td>
</tr>
<tr>
<td>NUR 3443L</td>
<td>Nursing Care of Families Clinical</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 4227</td>
<td>Nursing Care of the Adult II Clinical Practice</td>
<td>4 hrs</td>
</tr>
<tr>
<td>NUR 4227L</td>
<td>Nursing Care of the Adult II Clinical Practice</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4535</td>
<td>Psychiatric Mental Health Nursing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4533L</td>
<td>Psychiatric Mental Health Clinical</td>
<td>2 hrs</td>
</tr>
</tbody>
</table>

5. Restricted Electives (3 hrs)

Any one upper division nursing elective

6. Capstone Requirements

None

7. Foreign Language Requirements

Admissions

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to program start.

Graduation

None

8. Electives

- variable to meet degree requirements

9. Additional Requirements

None

10. Required Minors

None

11. Departmental Exit Requirements

- Completion of all courses in major with a grade of “C” (2.0) or better
- Overall Cumulative GPA of 2.5 or above
- College of Nursing GPA of 2.5 or above
- Current licensure as an RN.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 120

Honors In Major

- See Nursing HIM Advisor

Related Programs

- Health Services Administration
- Social Work

Certificates

- Aging Studies

Related Minors

- Health Sciences
- Health Services Administration
- Psychology

Advising Notes

None

Transfer Notes

None

Acceptable Substitutes for Transfer Courses

None

Plan of Study (31 hrs)

None

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oetas.ucf.edu/alcacademic_learning_compacts.htm

Equipment Fees

- Part-Time Student: $25 per term
- Full-Time Student: $50 per term
UCF Degree Programs

Nursing - R.N. to B.S.N. Program (B.S.N.)
College of Nursing
UTWR, Room: 3rd floor
http://www.nursing.ucf.edu

Email: ucfnurse@ucf.edu

Dr. Stephen Heglund, RN to BSN Coordinator
Dr. Maureen Covelli, Assoc. Dean Undergraduate
Dr. Mary Lou Sole, Dean
Phone: 407-823-2744

BSN completion program for individuals who are licensed RNs. Students must complete all university-wide graduation requirements (general education, foreign language, Gordon Rule, etc.). All courses are available online and some courses may be offered face-to-face as well. For more information, see http://distrib.ucf.edu/home and http://www.nursing.ucf.edu.

Admission Requirements
■ Acceptance to the university does not constitute admission to the upper division nursing program. Separate application to the limited access program must be made directly to the College of Nursing by the posted deadline. For application deadlines, please visit http://www.nursing.ucf.edu.
■ Admission to the University must be completed by the program application deadline.
■ All applicants must have graduated from an approved or accredited associate degree or diploma nursing program.
■ All applicants must have current Licensure as an RN.
■ All applicants must have completed the UCF General Education Program (GEP) requirements or completed an AA degree from a Florida College System or State University System institution or have no more than a total of 9 credit hours remaining to meet UCF General Education and/or Foreign Language graduation requirements.
■ At least seven (7) of the eight (8) Common Program Prerequisites must be completed by the program application deadline with at least a grade of "C" (2.0) or better in each course.
■ All applicants must have a minimum overall GPA of 2.8.
■ All 8 prerequisite courses must be completed before program begins.

Degree Requirements
■ Students who change degree programs and select this major must adopt the most current catalog year, including minors.
■ Students should consult with a college advisor or Florida College System A.A. transfer advisor regarding completion of General Education Program requirements.
■ Students should consult with an advisor in the College of Nursing Undergraduate Student Services Office for clarification or questions regarding Common Program Prerequisites (CPP) requirements.
■ The courses designated in sections 1 and 2 below may be taken at a Florida College System or State University System institution.
■ A minimum overall GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation in and graduation from the nursing program.
■ UCF Residency Requirement: 30 hours.
■ The courses designated in sections 1) UCF General Education Program (GEP) and 7) Foreign Language Requirements must be completed prior to enrolling in the third semester in the BSN program. Students may have no more than 9 hours of outstanding coursework in these two areas at the time of admission.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
      Prefer MAC 1105C College Algebra 3 hrs

   Select 1: 3 hrs
      Required STA 2014C Principles of Statistics or 3 hrs
      Required STA 2023 Statistical Methods I 3 hrs

   D: Social Foundations (6 hrs)
   Select a course from GEP Section D1. 3 hrs

   Select 1: 3 hrs
      Required SYG 2000 Introduction to Sociology or 3 hrs
      Required PSY 2012 General Psychology 3 hrs

   E: Science Foundations (6 hrs)
      Required BSC 2010C Biology I 4 hrs
      Required CHM 1032 General Chemistry 3 hrs

   1 Science Foundation is 6 credit hours for General Education Program. The BSC course is needed as a course prerequisite for Anatomy and Physiology and Health Microbiology. Chemistry is a prerequisite for Nutrition(HUN 3011)

2. Common Program Prerequisites (CPP) (18 hrs)
   ■ See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

   Select 1:
      1 STA 2014C Principles of Statistics or GEP 3 hrs
      STA 2023 Statistical Methods I GEP

   Select 1: 3 hrs
      SOW 3104 Human Behavior and the Social Environment I or 3 hrs
      DEP 2004 Developmental Psychology 3 hrs

   1 Also meets General Education Requirements; Applicants should see a UCF Nursing Advisor for possible course substitutions.
   2 Also meets General Education Requirements; Applicants should see a UCF Nursing Advisor for possible course substitutions.
   3 May take Anatomy and Physiology sequence (AP I & II) of eight total credits

3. Core Requirements: Basic Level
■ None

4. Core Requirements: Advanced Level (56 hrs)
UCF Core
NUR 3053 Dimensions of Professional Nursing Practice 27 hrs
   NUR 3065 Health Assessment 3 hrs
   NUR 3065L Health Assessment Lab 1 hr
   NUR 3125 Pathophysiology for Nursing Practice 3 hrs
   NUR 3165 Nursing Research 3 hrs
   NUR 3616 Health Promotion Across the Lifespan 2 hrs
   NUR 4837 Health Care Issues, Policy, and Economics 3 hrs
   NUR 4604L Practicum in Community and Public Health 4 hrs
   NUR 4828 Nursing for RNs 3 hrs
   NUR 4828L Nursing Leadership, Management and Role Transition 3 hrs
   NUR 4637 Public and Community Health Nursing 3 hrs

Upper Division Credit 29 hrs
■ Upper Division Credit may be met by Validation and RN License.
   NUR 3028 Essentials of Nursing Practice 3 hrs
   NUR 3755L Essentials of Nursing Practice Clinical 2 hrs
   NUR 3028L Essentials of Nursing Practice Lab 1 hr
   NUR 3225 Nursing Care of the Adult I 3 hrs
   NUR 3225L Nursing Care of the Adult I: Clinical Practice 2 hrs
   NUR 3445 Nursing Care of Families 4 hrs
   NUR 3445L Nursing Care of Families Clinical 2 hrs
   NUR 4227 Nursing Care of the Adult II 4 hrs
### UCF Degree Programs

**NUR 4227L Nursing Care of the Adult II: Clinical Practice**

- 3 hrs

**NUR 4535 Psychiatric Mental Health Nursing**

- 3 hrs

**NUR 4535L Psychiatric Mental Health Clinical**

- 2 hrs

### 5. Restricted Electives (3 hrs)
- Any one upper division nursing elective (NUR, NSP, NGR prefix)

### 6. Capstone Requirements
- None

### 7. Foreign Language Requirements

#### Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to enrollment in third semester in the BSN program.

#### Graduation
- None

#### 9. Additional Requirements
- Variable to meet degree requirements

#### Progression Requirements:
- A criminal background check and mandatory Drug Screening may be required prior to any clinical course and “on demand” for continuation in the program.
- Complete all courses in major with at least a “C” (2.0).
- Maintain a UCF GPA of 2.5 or above.
- Maintain a College of Nursing GPA of 2.5 or above.
- Prior to third semester in the BSN program: 1) complete general education requirements or A.A. from a Florida College System or State University System institution; and 2) complete foreign language admission requirement.

#### Other:
- Selected courses may be offered at various Orlando and regional campuses.
- All RN to BSN courses are available online. Some classes and labs are also available in person on select campuses. Clinical practice requirements are completed in the student’s home community. For more information visit http://www.nursing.ucf.edu.
- A maximum of 6 upper division credit hours of Nursing courses may be transferred from another institution.

### 10. Required Minors
- None

### 11. Departmental Exit Requirements
- Completion of all courses in major with a grade of “C” (2.0) or better
- Overall cumulative GPA of 2.5 or above
- College of Nursing GPA of 2.5 or above
- This program must be completed in no more than seven years from enrollment in the first BSN course within Core Requirements.

### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

### Total Semester Hours Required
- 120

#### Honors in Major
- Contact Program Coordinator or HIM Advisor

#### Related Programs
- Health Services Administration
- Social Work

#### Certificates
- Aging Studies

### Related Minors
- Health Sciences
- Health Information Management
- Health Services Administration
- Psychology

### Advising Notes
- Students are required to design an individual plan of study with an advisor. An example plan is noted below. Any changes to that plan must be made in consultation with the advisor. Failure to do so may result in a delay of program progression and/or graduation.

#### Transfer Notes
- None

#### Acceptable Substitutes for Transfer Courses
- None

#### Plan of Study (30 hrs)
- Assuming general education, foreign language, and nursing prerequisites are complete

##### Junior Year - Fall
- NUR 3805 Dimensions of Professional Nursing Practice
- NUR 3125 Pathophysiology for Nursing Practice

##### Junior Year - Spring
- NUR 3165 Nursing Research
- NUR 3065 Health Assessment
- NUR 3065L Health Assessment Lab

##### Junior Year - Summer
- NUR 4637 Public and Community Health Nursing
- NUR 4837 Health Care Issues, Policy, and Economics

##### Senior Year - Fall
- NUR 4628 Nursing Leadership, Management and Role Transition
- NUR/NSP XXXX Nursing Elective

##### Senior Year - Spring
- NUR 4604L Practicum in Community and Public Health
- NUR 3805 Nursing Research
- NUR 3616 Health Promotion Across the Lifespan

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/aic/academic_learning_compacts.htm

#### Equipment Fees
- Part-Time Student: $25 per term
- Full-Time Student: $50 per term

#### Philosophy (B.A.)

#### College of Arts and Humanities

#### Department of Philosophy,

#### Psychology Building, Room: 220

http://philosophy.cah.ucf.edu/

Email: Philosophy2@ucf.edu

Dr. Don Jones, donjones@ucf.edu

Phone: 407-823-2273

The B.A. program in Philosophy aims to provide students with the theoretical skills and knowledge to engage with the complex issues of our time. It centers on the principles of knowledge, responsibility, and society, and it provides students with opportunities to investigate the connections between intellectual pursuits and moral and public virtue.

#### Admission Requirements
- None

#### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a “C” (2.0) in each required course.

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UCF Degree Programs

- Co-op or internship credit cannot be used in this major without prior departmental approval.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Philosophy Department.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)
Required PHI 2010 Introduction to Philosophy 3 hrs

Select 2: 6 hrs
- HUM 2020 Encountering the Humanities or 3 hrs
- HUM 2210 Humanistic Tradition I or 3 hrs
- HUM 2230 Humanistic Tradition II or 3 hrs
- REL 2300 World Religions 3 hrs

B: Cultural & Historical Foundations (9 hrs)

Select 1: 3 hrs
- PHI 2128 Ancient or Early Medieval Philosophy or 3 hrs
- PHI 2103 Medieval Philosophy or 3 hrs
- PHI 2104 Renaissance Philosophy or 3 hrs

Select 2: 6 hrs
- PHI 3100 Ancient Philosophy or 3 hrs
- PHI 3120 Medieval Philosophy or 3 hrs
- PHI 3140 Renaissance Philosophy or 3 hrs
- PHI 3150 pre-Enlightenment Philosophy or 3 hrs
- PHI 3160 Enlightenment Philosophy or 3 hrs

C: Mathematical Foundations (6 hrs)

Math 6 hrs
Suggested MGF 1106 Finite Mathematics or 3 hrs
Suggested MGF 1107 Explorations in Mathematics 3 hrs
You may substitute a higher level math with appropriate scores on the Math Placement Exam.

Statistics-Computers 3 hrs
Select a course from GEP C.2 list

D: Social Foundations (6 hrs)

Suggested AMH 2020 U.S. History: 1877-Present 3 hrs

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)
- None

3. Core Requirements: Basic Level (9 hrs)
PHI 2010 Introduction to Philosophy 3 hrs

Select 2: 6 hrs
- HUM 2020 Encountering the Humanities or GEPE 3 hrs
- HUM 2210 Humanistic Tradition I or GEPE 3 hrs
- HUM 2230 Humanistic Tradition II or GEPE 3 hrs
- REL 2300 World Religions GEPE 3 hrs

4. Core Requirements: Advanced Level (36 hrs)

Core 6 hrs
1 PHI 3083 Research Methods in Philosophy 3 hrs
PHI 4938 Senior Research Seminar 3 hrs

1 To be completed before the end of Junior year as a prerequisite to enrollment in Senior courses.

Reasoning 6 hrs
Select 2: 6 hrs
- PHI 2011 Philosophical Reasoning or 3 hrs
- PHI 2101 Formal Logic I or 3 hrs
- PHI 2108 Critical Thinking or 3 hrs
- PHI 2647 Logic and Ethics or 3 hrs
- PHI 3131 Formal Logic II 3 hrs

History of Philosophy 9 hrs
Select 2: 6 hrs
- PHH 3100 Ancient Philosophy or 3 hrs
- PHH 3200 Medieval Philosophy or 3 hrs
- PHH 3460 Modern Western Philosophy 3 hrs

Select 1: 3 hrs
- PHH 3600 Contemporary Philosophy or 3 hrs
- PHI 3510 Marx and Nietzsche or 3 hrs
- PHI 3700 American Philosophy or 3 hrs
- PHI 3790 African Philosophy 3 hrs

Values and Society 6 hrs
Select 2: 6 hrs
- PHI 3670 Ethical Theory or 3 hrs
- PHI 3626 Advanced Ethics in Science and Technology or 3 hrs
- PHM 3401 Philosophy of Law or 3 hrs

5. Restricted Electives (6 hrs)
- Select six hours of approved courses in Philosophy or related areas, subject to approval by Departmental advisor.

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Met by graduation requirement.

Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. Majors who are contemplating graduate school should complete two years of a foreign language, preferably one functional in their area of proposed graduate interest.

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- None
- 10. Required Minors
- None
11. Departmental Exit Requirements
- Earn a “C” (2.0) or better in each required course.
- Departmental Exit Exam in final semester, included in

PHI 4938: Senior Research Seminar
- To avoid delaying graduation, you must request a review of requirements prior to registering for your last term.

Computer Competency met by one of the 3 hrs following:
- PHI 4970H Undergraduate Honors Thesis or 3 hrs
- PHI 4938 Senior Research Seminar or 3 hrs
- STA 1063C Basic Statistics Using Microsoft Excel 3 hrs

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- Students considering graduate school in philosophy are strongly encouraged to take Honors in the Major.

Requirements are as follows:
Core Requirements 36 hrs
- Same requirements as for regular majors, but must include the following:
  - PHI 2101 Formal Logic I 3 hrs

Upper Division Restricted Electives 6 hrs
- Same as requirement for regular majors

Honors Thesis
- PHI 4903H Honors Directed Reading I 3 hrs
- PHI 4970H Undergraduate Honors Thesis 3 hrs

Additional Requirements
- Application and admission through the Philosophy Honors Coordinator and the Burnett Honors College.
- Fulfill University requirements for Honors in the Major.
- Maintain UCF GPA of at least 3.2 and a Philosophy GPA of at least 3.5.
- Successful completion and oral defense of Honors thesis.
- Earn a “B” (3.0) or better in both of the following courses:
  - PHI 4903H Honors Directed Reading I 3 hrs
  - PHI 4970H Undergraduate Honors Thesis 3 hrs

Related Programs
- Humanities and Cultural Studies
- Religion and Cultural Studies

Certificates
- None

Related Minors
- Cognitive Sciences
- Environmental Studies
- Humanities and Cultural Studies
- Religion and Cultural Studies
- Women’s Studies

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- One of numerous possible plans of study. See program description for all requirements.

Freshman Year - Fall 16 hrs
- ENC 1101 Composition I 3 hrs
- HUM 2210 Humanistic Tradition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- PHI 2010 Introduction to Philosophy 3 hrs
- SPN 1120C Elementary Spanish Language and Civilization I 4 hrs

Freshman Year - Spring 16 hrs
- ENC 1102 Composition II 3 hrs
- HUM 2230 Humanistic Tradition II 3 hrs
- STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
- Restricted Elective 3 hrs
- SPN 1121C Elementary Spanish Language and Civilization II 4 hrs

Sophomore Year - Fall 15 hrs
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Sophomore Year - Spring 15 hrs
- GEP 3 hrs
- GEP 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Junior Year - Fall 15 hrs
- PHI 3083 Research Methods in Philosophy 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Junior Year - Spring 15 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Senior Year - Fall 15 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Senior Year - Spring 15 hrs
- PHI 4938 Senior Research Seminar 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oears.ucf.edu/alc/academic_learning_compacts.htm

Photography (B.S.)
College of Arts and Humanities
School of Visual Arts and Design
(This program is offered at UCF at the Daytona Beach Campus)
http://svad.cah.ucf.edu/bsphotography
Phone: 386-506-4093

(This program is offered at UCF at the Daytona Beach Campus. Photography is also available as an area of concentration at the Orlando campus as part of the Art-Studio B.A. and Art-Studio B.F.A. programs.) The School of Visual Arts and Design affirms that a theoretical and working understanding of the historical meanings...
UCF Degree Programs

and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, school courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

Admission Requirements

Completion of an A.S. in Photographic Technology from Daytona State College or equivalent coursework.

Degree Requirements

Students who change degree programs and select this major must adopt the most current catalog.

Departmental Residency Requirement consists of at least 36 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Visual Arts and Design.

Students must earn at least a "C" (2.0) in each required upper level course and maintain an overall GPA of at least 2.0.

Upper-division electives, internship credit, and course substitutions must be approved by the program director.

Students should consult with a Photography advisor before selecting this major, and at least annually thereafter.

1. UCF General Education Program (GEP) (36 hrs)

Students who have not satisfied General Education Requirements before transferring will complete the remaining courses at UCF. The specific courses will depend on the general education courses completed as part of the articulated A.S., and will come from the following areas:

A: Communication Foundations (9 hrs)
   - Required ENC 1101 Composition I 3 hrs
   - Required ENC 1102 Composition II 3 hrs
   - SPC 2600 Speech (A.S.) 3 hrs

   If not already completed as part of the A.S. degree, after acceptance into the program.

B: Cultural & Historical Foundations (9 hrs)
   - Required ARH 2051 History of Western Art II 3 hrs

   If not already completed as part of the A.S. degree, after acceptance into the program.

C: Mathematical Foundations (6 hrs)
If not already completed as part of the A.S. degree, after acceptance into the program.
   - Required MAC 1105C College Algebra or 3 hrs
   - MGF 2106 College Mathematics or 3 hrs
   - MGF 2107 Mathematics for Liberal Arts 3 hrs
   - Computer Science or Statistics 3 hrs

D: Social Foundations (6 hrs)
   - Political Science or Economics 3 hrs
   - Psychology or Sociology (If not already completed as part of the A.S. degree, after acceptance into the program.) 3 hrs

E: Science Foundations (6 hrs)
   - Physical Science 3 hrs
   - Life Science 3 hrs

2. Common Program Prerequisites (CPP)
   - (Included in A.S. or B.S. requirements.)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   - Subject to change. Prerequisites have not been set by the state.

   1 ARH 2051 History of Western Art II GEP
   2 PGY 3651C Narrative Editorial Photography 3 hrs
   3 PGY 1403 Fundamentals of Photography (Already included in A.S. requirements)

   If already included in A.S. requirements.
   2 Already included in B.S. requirements.

3. Core Requirements: Basic Level (49 hrs)
   - Completed in the A.S. in Photographic Technology at Daytona State College, or equivalent coursework

   1 Required PGY 3002 Contemporary Photography 3 hrs
   2 PGY 3205C Photographic Lighting Techniques 3 hrs
   3 PGY 3276 The Professional Environment 3 hrs
   4 PGY 3472C Photo Visualization 3 hrs
   5 PGY 3653C Advanced Editorial Photography 3 hrs
   6 PGY 3751C Videography 3 hrs
   7 PGY 3821C Advanced Digital Photography 3 hrs
   8 PGY 4003 Image, Culture, and Society 3 hrs
   9 PGY 4228C Advanced Illustrative Photography 3 hrs
   10 PGY 4471C Photography Thesis 3 hrs
   11 PGY 3651C Narrative Editorial Photography CPP

Select one of the following courses:
   - CRW 3011 Creative Writing for Non-Majors or 3 hrs
   - ENC 3250 Professional Writing 3 hrs

4. Core Requirements: Advanced Level (33 hrs)
   - PGY 3002 Contemporary Photography 3 hrs
   - PGY 3205C Photographic Lighting Techniques 3 hrs
   - PGY 3276 The Professional Environment 3 hrs
   - PGY 3472C Photo Visualization 3 hrs
   - PGY 3653C Advanced Editorial Photography 3 hrs
   - PGY 3751C Videography 3 hrs
   - PGY 3821C Advanced Digital Photography 3 hrs
   - PGY 4003 Image, Culture, and Society 3 hrs
   - PGY 4228C Advanced Illustrative Photography 3 hrs
   - PGY 4471C Photography Thesis 3 hrs
   - PGY 3651C Narrative Editorial Photography CPP

Select two of the following courses:
   - PGY 3451C Alternative Processes 3 hrs
   - PGY 3480 Museum and Gallery Practices 3 hrs
   - PGY 3703C Photography & the Web 3 hrs
   - PGY 4235C Professional Photographic Workshop 3 hrs
   - PGY 4493C Photography and Art 3 hrs
   - PGY 4941 Internship 3 hrs

5. Restricted Electives (6 hrs)

6. Capstone Requirements
   - None

7. Foreign Language Requirements

Admissions
   - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
   - 8. Electives
     - None
   - 9. Additional Requirements
     - None
   - 10. Required Minors
     - None

11. Departmental Exit Requirements
   - None

12. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 39 hours of course work must be completed in residency at UCF.
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
   - Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
   - 127

Honors In Major
   - None

Related Programs
   - None

Certificates
   - None

Related Minors
   - None

Advising Notes
   - http://svad.cah.ucf.edu/bsphotography

Transfer Notes
   - Students transferring from any Florida public institution with an A.A. degree or with general education program (GEP) requirements of that institution met have thereby satisfied UCF GEP requirements.
   - Lower division courses do not substitute for upper division courses.
   - Transfer courses must be evaluated for equivalency credit and/or for use in the area by the department. The student must provide all supporting information.
Acceptable Substitutes for Transfer Courses

- Acceptable substitutes for General Education and Common Program Prerequisites will be determined by the School of Visual Arts and Design and the University.

Plan of Study

Freshman Year - Fall
Daytona State College - Photo Technology AS Degree Program

Freshman Year - Spring
Daytona State College - Photo Technology AS Degree Program

Freshman Year - Summer
Daytona State College - Photo Technology AS Degree Program

Sophomore Year - Fall
Daytona State College - Photo Technology AS Degree Program

Sophomore Year - Spring
Daytona State College - Photo Technology AS Degree Program

Junior Year - Fall
PGY 3205C Photographic Lighting Techniques 3 hrs
PGY 3821C Advanced Digital Photography 3 hrs
PGY 3472C Photo Visualization 3 hrs
GEP 3 hrs
GEP 3 hrs

Junior Year - Spring
PGY 3022 Contemporary Photography 3 hrs
PGY 3651C Narrative Editorial Photography 3 hrs
GEP 3 hrs
GEP 3 hrs
GEP 3 hrs

Junior Year - Summer
ENC 3250 Professional Writing 3 hrs

Senior Year - Fall
PGY 3653C Advanced Editorial Photography 3 hrs
PGY 3751C Videography 3 hrs
PGY 4103 Image, Culture, and Society 3 hrs
PGY 4228C Advanced Illustrative Photography 3 hrs

Senior Year - Spring
PGY 3276 The Professional Environment 3 hrs
PGY 4471C Photography Thesis 3 hrs
PGY Restricted Elective 3 hrs
PGY Restricted Elective 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Photonic Science and Engineering (B.S.P.S.E.)
College of Optics and Photonics
CREOL, Room: 108B
Phone: 407-823-6376

The Bachelor of Science in Photonic Science and Engineering degree is designed to prepare the next generation of engineers for the growing optics and photonics industry, which has a broad set of applications including manufacturing, healthcare, telecommunication, defense, security and entertainment. The program draws on UCF’s internationally recognized strengths in the field of optics and lasers, and is matched to the strong photonics industry in Central Florida. The degree is offered jointly by the College of Optics and Photonics and the College of Engineering and Computer Science.

Admission Requirements
- Students who wish to declare their major in Photonic Science and Engineering must be in good academic standing and must have a “C” (2.0) or better in each of the following courses or their equivalents: MAC 2311C, MAC 2312, PHY 2048C, and CHS 1440 or CHM 2045C.

Degree Requirements
- Majors in the B.S.P.S.E. degree are required to achieve a 2.250 or greater GPA for their engineering core courses, including STA 3032 and PHY 3101, together with the photonics courses required for the major, technical elective courses, and the senior design courses.
- Students in the Photonic Science and Engineering major are expected to make consistent good progress toward their degrees to remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Photonic Science and Engineering who repeats any UCF course and does not earn a grade of “C” (2.0) or better on the second attempt will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation does not receive a grade of “C” (2.0) or better by the third attempt in the same UCF course, the student will be excluded from all CECS and COP majors. Any student majoring in Photonic Science and Engineering who has accumulated 7 or more unsuccessful attempts (i.e., grades below “C” (2.0) and withdrawals) over all courses taken at UCF will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation has a tenth unsuccessful attempt over all courses taken at UCF, the student will be excluded from all CECS and COP majors.
- A student who is excluded from CECS and COP majors may seek readmission to a major in CECS or COP after at least one full year has passed since exclusion. Readmission is not automatic and is dependent upon a high probability of success after readmission. Any student who is readmitted to the Photonic Science and Engineering major will be subject to all probation conditions that applied at the time of exclusion.
- Students in the BSPSE Major must obtain a 2.0 or greater GPA in the following courses: EGN 3211, EEL 3004C, and EEL 3123C.

1. UCF General Education Program (GEP) (38 hrs)
- Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A through E below to minimize excess hours. Students transferring to UCF from within the Florida College System or State University System should complete the GEP and the Common Program Prerequisites before transferring.

A: Communication Foundations (9 hrs)
Required ENC 1101 Composition I 3 hrs
Required ENC 1102 Composition II 3 hrs

Select 1: 3 hrs
Suggested SPC 1608 Fundamentals of Oral Communication or SPC 1603C Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)
Suggested HUM 2020 Encountering the Humanities 3 hrs

Select 1: 3 hrs
Suggested MUL 2010 Enjoyment of Music or MUL 2010A Enjoyment of Music 3 hrs
Suggested PHI 2010 Introduction to Philosophy or PHI 2010A Introduction to Philosophy 3 hrs
THE 2000 Theatre Survey 3 hrs
Select one additional class from either Historical or Cultural Foundations
UCF Degree Programs

C: Mathematical Foundations (7 hrs)
- Required: MAC 2311C Calculus with Analytic Geometry I 4 hrs
- Required: STA 3032 Probability and Statistics for Engineers 3 hrs

D: Social Foundations (6 hrs)
- Suggested: AMH 2020 U.S. History: 1877-Present 3 hrs
- Select 1
  - PSY 2012 General Psychology or 3 hrs
  - SUG 2000 Introduction to Sociology or 3 hrs
  - ANT 2000 General Anthropology 3 hrs

E: Science Foundations (7 hrs)
- Required: PHY 2048C General Physics Using Calculus I 4 hrs
  - Calculus I
- Choose one class from Science Foundations 3 hrs

2. Common Program Prerequisites (CPP) (19 hrs)
- These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida postsecondary schools and may be transferred directly to UCF programs.
  - 1 MAC 2311C Calculus with Analytic Geometry I GEP
  - 1 MAC 2312 Calculus with Analytic Geometry II 4 hrs
  - MAC 2313 Calculus with Analytic Geometry III 4 hrs
  - MAP 2302 Ordinary Differential Equations 3 hrs
  - 1 PHY 2048C General Physics Using Calculus I GEP
  - PHY 2049C General Physics Using Calculus II 4 hrs

Select 1:
- 1 CHS 1440 Principles of Chemistry or 4 hrs
- 1 CHM 2045C Chemistry Fundamentals I 4 hrs

1 A "C" (2.0) or better is required in these courses to enroll in PSE major courses.

3. Core Requirements: Basic Level (14 hrs)
- EGS 1008C Introduction to the Engineering Profession 1 hr
- EGN 1007C Engineering Concepts and Methods 1 hr
- 1 EGN 3211 Engineering Analysis and Computation 3 hrs
- EGN 3310 Engineering Analysis-Statics 3 hrs
- PHY 3101 General Physics Using Calculus III 3 hrs
- STA 3032 Probability and Statistics for Engineers GEP

Select 1:
- EGN 3321 Engineering Analysis-Dynamics or 3 hrs
- EGN 3358 Thermo-Fluids - Heat Transfer 3 hrs

1 C (2.0) or better required

4. Core Requirements: Advanced Level (42 hrs)
- EEL 3004C Electrical Networks 3 hrs
- 1 EEL 3123C Networks and Systems 4 hrs
- EEE 3307C Electronics I 4 hrs

1 C (2.0) or better required.

Photonics Requirements (28 hrs)
- OSE 3200 Geometric Optics 3 hrs
- OSE 3052 Introduction to Photonics 3 hrs
- OSE 3052L Introduction to Photonics Laboratory 1 hr
- OSE 3053 Electromagnetic Waves for Photonics 3 hrs
- OSE 4520 Laser Engineering 3 hrs
- OSE 4520L Laser Engineering Laboratory 1 hr
- OSE 4410 Optoelectronics 3 hrs
- OSE 4410L Optoelectronics Laboratory 1 hr
- OSE 4470 Fiber-Optic Communications 3 hrs
- OSE 4470L Fiber-Optic Communications Laboratory 1 hr
- OSE 4830 Imaging and Display 3 hrs
- OSE 4830L Imaging and Display Laboratory 1 hr
- OSE 4830 Frontiers of Optics and Photonics 2 hrs

5. Restricted Electives (9 hrs)
- Students must select at least 3 credit hours of restricted electives with the course prefix OSE. The remaining 6 hours may be taken from approved upper level photonics, engineering, physics, mathematics, or other related electives. All electives must be approved by the program advisor.

6. Capstone Requirements (6 hrs)
- OSE 4951 Senior Design I 3 hrs
- OSE 4952 Senior Design II 3 hrs

7. Foreign Language Requirements
- Admissions
  - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
- Graduation
  - None
- 8. Electives
  - None

9. Additional Requirements
- Photonic science and engineering students must earn at least 32 hours in residence at UCF. 24 of the 32 Residency hours must be at the 3000-5000 level, in courses taken from the College of Optics and Photonics at UCF and applicable to the degree program.

10. Required Minors
- None

11. Departmental Exit Requirements
- None

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 128

Honors In Major
- None

Related Programs
- Electrical Engineering
- Computer Engineering
- Physics

Certificates
- None

Related Minors
- Engineering Leadership
- Mathematics
- Physics

Advising Notes
- Each engineering student should meet with their academic advisor in the department of their major regularly.
- Each student should seek academic advisement before registering for classes each semester to minimize excess hours.
- Students are assumed to have knowledge of a higher level programming language (C preferred).
- Students in the BSPSE Major are required to take OSE-prefixed lab courses in the same semester as the corresponding lecture course.
- Students in the BSPSE Major are required to take OSE 3200 Geometric Optics either concurrently or prior to enrollment in OSE 3052 Introduction to Photonics.

Transfer Notes
- Courses taken from Florida College System institutions do not substitute for upper division courses unless part of an articulated pre-engineering degree program.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.
- EGS 1008C and EGN 1007C are required courses for incoming freshmen only and count towards the required 11 credit hours of restricted electives.

Acceptable Substitutes for Transfer Courses
- None
### Plan of Study (128 hrs)

#### Freshman Year - Fall
- **15 hrs**
  - Historical Foundation: 3 hrs
  - MAC 2311C: Calculus with Analytic Geometry I: 4 hrs
  - SPC 1608: Fundamentals of Oral Communication: 3 hrs
  - EGS 1006C: Introduction to the Engineering Profession: 1 hr
  - CHS 1440: Principles of Chemistry: 4 hrs

#### Freshman Year - Spring
- **15 hrs**
  - ENC 1101: Composition I: 3 hrs
  - EGN 1007C: Engineering Concepts and Methods: 1 hr
  - MAC 2312: Calculus with Analytic Geometry II: 4 hrs
  - PHY 2049C: General Physics Using Calculus I: 4 hrs
  - AMH 2020: U.S. History: 1877-Present: 3 hrs

#### Sophomore Year - Fall
- **17 hrs**
  - MAC 2313: Calculus with Analytic Geometry III: 4 hrs
  - ENC 1102: Composition II: 3 hrs
  - EGN 3211: Engineering Analysis and Computation: 3 hrs
  - HUM 2020: Encountering the Humanities: 3 hrs

#### Sophomore Year - Spring
- **15 hrs**
  - MAP 2302: Ordinary Differential Equations I: 3 hrs
  - EEL 3307C: Electrical Networks: 3 hrs
  - EGN 3310: Engineering Analysis-Statics: 3 hrs
  - PHY 3101: General Physics Using Calculus III: 3 hrs
  - Science Foundation: 3 hrs

#### Sophomore Year - Summer
- **10 hrs**
  - EEL 3132C: Networks and Systems: 4 hrs
  - EEE 3350: Semiconductor Devices I: 3 hrs
  - STA 3032: Probability and Statistics for Engineers: 3 hrs

#### Junior Year - Fall
- **14 hrs**
  - OSE 3052: Introduction to Photonics: 3 hrs
  - OSE 3052L: Introduction to Photonics Laboratory: 1 hr
  - EEE 3307C: Electronics I: 4 hrs
  - OSE 3200: Geometric Optics: 3 hrs

#### Junior Year - Spring
- **14 hrs**
  - OSE 4410: Optoelectronics: 3 hrs
  - OSE 4410L: Optoelectronics Laboratory: 1 hr
  - OSE 4520: Laser Engineering: 3 hrs
  - OSE 4520L: Laser Engineering Laboratory: 1 hr
  - OSE 3053: Electromagnetic Waves for Photonics: 3 hrs
  - Social Foundation: 3 hrs

#### Senior Year - Fall
- **15 hrs**
  - OSE 4470: Fiber-Optic Communications: 3 hrs
  - OSE 4470L: Fiber-Optic Communications Laboratory: 1 hr
  - OSE 4951: Senior Design I: 3 hrs
  - OSE 4930: Frontiers of Optics and Photonics: 2 hrs
  - Restricted Elective: 3 hrs
  - Restricted Elective: 3 hrs

#### Senior Year - Spring
- **13 hrs**
  - OSE 4952: Senior Design II: 3 hrs
  - OSE 4830L: Imaging and Display Laboratory: 1 hr
  - Restricted Elective: 3 hrs
  - Historical Foundation: 3 hrs

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.o eas.ucf.edu/alc/academic_learning_compacts.htm](http://www.o eas.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees
- Part-Time Student: $30 per term
- Full-Time Student: $60 per term

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**UCF Degree Programs**

**Physics (B.S.)**
- College of Sciences
- Department of Physics,
  - Physical Sciences, Room: 430
  - Email: physics@ucf.edu
- Dr. Josh Colwell
- Phone: 407-823-2325

Physics majors can select from five distinct specializations to earn their physics degree, as described below in Section 4, Core Requirements. Advanced. While the various specializations share a common core of courses, they also enable students to prepare specifically for certain career paths. Students should consult their faculty advisors when deciding among these tracks.

### Admission Requirements
- **None**

### Degree Requirements
- **Students who change degree programs and select this major must adopt the most current catalog.**
- **Grades below “C” (2.0) in any required physics or mathematics courses are not acceptable; they must be repeated with a higher grade.**
- **Students must achieve a minimum cumulative GPA of 2.0 in all courses taken that could meet major requirements.**
- **All attempts that could meet requirements are included in the major GPA calculation. All attempts of courses listed for the major taken beyond the minimum required are included in the GPA calculation (e.g., additional restricted electives).**
- **Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Physics.**
- **Physics majors are discouraged from taking courses as a transient student at a Florida College System institution, except in situations where one semester of a two semester sequence has already been taken at the Florida College System institution.**
- **All prerequisites of courses taught within the College of Sciences will be enforced.**
- **Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.**
- **AA transfer students are expected to have completed the following courses before enrolling as a Physics major. These classes are prerequisites for advanced science classes and students entering without these classes will be unable to register for most of the advanced courses.**
  - CHM 2045C: Chemistry Fundamentals I: 4 hrs
  - CHM 2046: Chemistry Fundamentals II: 3 hrs
  - CHM 2046L: Chemistry Fundamentals Laboratory: 1 hr
  - MAC 2311C: Calculus with Analytic Geometry I: 4 hrs
  - MAC 2311: Calculus with Analytic Geometry I: 4 hrs
  - MAC 2312: Calculus with Analytic Geometry II: 4 hrs
  - MAC 2311C: Calculus with Analytic Geometry III: 4 hrs
  - PHY 2048C: General Physics Using Calculus I: 4 hrs
  - PHY 2049C: General Physics Using Calculus II: 4 hrs

### 1. UCF General Education Program (GEP) (38 hrs)
- **Note: Certain courses must be selected in the GEP for this major which brings the GEP hours above 36.**
  - A: Communication Foundations (9 hrs)
    - Prefer: SPC 1603C: Fundamentals of Technical Presentations: 3 hrs
  - B: Cultural & Historical Foundations (9 hrs)
    - Required: MAC 2311C: Calculus with Analytic Geometry I: 4 hrs
  - C: Mathematical Foundations (7 hrs)
    - Required: COP 3502C: Computer Science I: 3 hrs

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**UNIVERSITY OF CENTRAL FLORIDA**

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D: Social Foundations
E: Science Foundations

1. Physical Science;
   - Required
     PHY 2048C General Physics Using Calculus I

2. Life sciences;
   - 3 hrs
     Select from the E2. GEP list.

2. Common Program Prerequisites (CPP)
   - (20 hrs)
     MAC 2311C Calculus with Analytic Geometry I and GEP
     MAC 2312 Calculus with Analytic Geometry II
     MAC 2313 Calculus with Analytic Geometry III

Select one of the following sequences of courses:
- CHM 2045C Chemistry Fundamentals I
- CHM 2040 Chemistry Fundamentals IA
- CHM 2041 Chemistry Fundamentals IB

Take all of the following:
- CHM 2046 Chemistry Fundamentals II
- EEL 4440 Optical Engineering
-PHY 2048C General Physics Using Calculus I
- EMA 4413 Fundamentals of Electronic Materials

3. Core Requirements: Basic Level
   - Required of all specializations.
   - In addition to those courses specified in the Common Program Prerequisites, students also must complete the following.

   Core: Required, satisfies the CPP
   - CHM 2045C Chemistry Fundamentals I
   - or
     CHM 2040 Chemistry Fundamentals IA
     CHM 2041 Chemistry Fundamentals IB
   - and
     MAC 2311C Calculus with Analytic Geometry I
     MAC 2312 Calculus with Analytic Geometry II
     MAC 2313 Calculus with Analytic Geometry III
     PHY 2048C General Physics Using Calculus I
     PHY 2049C General Physics Using Calculus II

   Core: Additional requirements
   - MAP 2302 Ordinary Differential Equations I
   - PHY 3101 General Physics Using Calculus III
   - PHZ 3113 Introduction to Theoretical Methods of Physics
   - PHY 3220 Mechanics I
   - PHY 3513 Thermal and Statistical Physics
   - PHY 3323 Electricity and Magnetism I
   - PHY 3424 Electricity and Magnetism II
   - PHY 4604 Wave Mechanics I
   - PHY 4605 Wave Mechanics II
   - PHY 4912 Directed Independent Research (in area of specialization)

   Laboratory Requirement
   - PHY 3802L Intermediate Physics Laboratory
   - And either
     PHY 3752C Physics of Scientific Instruments
     PHY 3722C Physics Laboratory-Electronics

4. Core Requirements: Advanced Level
   - Select one specialization
   - Restricted Electives:
     - Select from upper division PHY, PHZ, or AST courses
   - Directed Electives:
     - Select courses at a 3000 level or higher, approved by the Physics Department.

4.1. General Physics Specialization
   - 18 hrs
     PHY 4803L Advanced Physics Laboratory

- Select 1
  - 3 hrs
    EEE 5356C Fabrication of Solid-State Devices

- Select 3
  - 9 hrs
    EEE 3350 Semiconductor Devices I or
    EGN 3365 Structure and Properties of Materials or
    EMA 4413 Fundamentals of Electronic Materials or
    CHM 3411L Physical Chemistry Laboratory or
    PHZ 5405 Condensed Matter Physics or
    EEE 5520C Semiconductor Material and Device Characterization

- Directed Electives:
  - 9 hrs
    Select courses at a 3000 level or higher, approved by the Physics Department.

4.2. Materials Physics Specialization
   - 18 hrs
     - Select 1
       - 3 hrs
         PHY 4803L Advanced Physics Laboratory or
         EEE 5356C Fabrication of Solid-State Devices

     - Select 3
       - 9 hrs
         EEE 3350 Semiconductor Devices I or
         EGN 3365 Structure and Properties of Materials or
         EMA 4413 Fundamentals of Electronic Materials or
         CHM 3411L Physical Chemistry Laboratory or
         PHZ 5405 Condensed Matter Physics or
         EEE 5520C Semiconductor Material and Device Characterization

- Directed Electives:
  - 6 hrs
    Select courses at a 3000 level or higher, approved by the Physics Department.

4.3. Optics and Lasers Specialization
   - 18 hrs
     PHY 4424 Optics

- Select 2
  - 6 hrs
    EEL 4440 Optical Engineering or
    PHY 4445 Lasers or
    OSE 5203 Geometrical Optics or
    OSE 5312 Light Matter Interaction or
    OSE 5414 Fundamentals of Optoelectronic Devices

- Directed Electives:
  - 9 hrs
    Select courses at a 3000 level or higher, approved by the Physics Department.

4.4. Computational Physics Specialization
   - 19 hrs
     PHZ 3151 Computer Methods in Physics
     COP 3502C Computer Science I
     COP 3503C Computer Science II
     COT 4500 Numerical Calculus

- Directed Electives
  - 6 hrs
    Select courses at a 3000 level or higher, approved by the Physics Department.

4.5. Astronomy Specialization
   - 18 hrs
     AST 2002 Astronomy

- Select one
  - 3 hrs
    AST 4700 Experimental Methods in Astronomy or
    AST 4762C Astronomical Data Analysis or
    AST 5756C Advanced Astronomical Data Analysis

- and
  - 6 hrs
    Select from upper division AST courses

- Directed Electives:
  - 6 hrs
    Select courses at a 3000 level or higher, approved by the Physics Department.

5. Restricted Electives
   - None

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   - Admissions
     - Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.
   - Graduation
     - None

8. Electives
   - Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
   - None
10. Required Minors
- None

11. Departmental Exit Requirements
- Grades below "C" (2.0) in any required physics or mathematics courses are not acceptable; they must be repeated with a higher grade.
- Students must achieve a minimum cumulative GPA of 2.0 in all courses taken that could meet major requirements.
- All attempts that could meet requirements are included in the major GPA calculation. All attempts of courses listed for the major taken beyond the minimum required are included in the GPA calculation (e.g., additional restricted electives).
- Students will be required to take a nationally normed test in Physics during their last semester.
- Students will have an exit interview in their last semester with a representative of the Physics Undergraduate Committee.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Mathematics - Engineering/Physics Track
- Mathematics - Applied Track
- Mathematics - Pure Track
- Electrical Engineering
- Mechanical Engineering

Certificates
- None

Related Minors
- Mathematics
- Physics
- Astronomy

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- The following substitutions for common program prerequisites are acceptable if taken prior to transferring to UCF:
  - CHM 2045C: may use CHM 1040 plus CHM 1041 or CHM 2040C plus CHM 2041C

Plan of Study
- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Prior to enrolling in Chemistry, take Chemistry Placement Test at http://knightsource.sdes.ucf.edu/placement
- Prior to enrolling in Math, take Math Placement Test at http://utm.sdes.ucf.edu
- Although all classes are listed during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

UCF Degree Programs

Freshman Year - Fall
- MAC 2311C Calculus with Analytic Geometry I 4 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- GEP 3 hrs
- GEP 3 hrs

Freshman Year - Spring
- PHY 2049C General Physics Using Calculus I 4 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- Note: Lab may be taken later if seats are not available
- GEP 3 hrs

Sophomore Year - Fall
- PHY 2049C General Physics Using Calculus II 4 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- COP 3502C Computer Science I 3 hrs
- GEP 3 hrs
- GEP 3 hrs

Sophomore Year - Spring
- PHY 3101 General Physics Using Calculus III 3 hrs
- PHZ 3113 Introduction to Theoretical Methods of Physics 3 hrs
- MAP 2302 Ordinary Differential Equations I 3 hrs
- GEP 3 hrs
- GEP 3 hrs

Junior Year - Fall
- PHY 3802L Intermediate Physics Laboratory 3 hrs
- PHY 3323 Electricity and Magnetism I 3 hrs
- PHY 3513 Thermal and Statistical Physics 3 hrs
- Core Course 3 hrs
- Restricted Elective 3 hrs

Junior Year - Spring
- PHY 3220 Mechanics I 3 hrs
- PHY 4324 Electricity and Magnetism II 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- GEP 3 hrs

Senior Year - Fall
- PHY 4604 Wave Mechanics I 3 hrs
- PHY 4912 Independent Research 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Free Elective 3 hrs

Senior Year - Spring
- PHY 4605 Wave Mechanics II 3 hrs
- Restricted Elective 3 hrs
- GEP 3 hrs
- Free Elective 2 hrs
- Free Elective 3 hrs
- Physics Test-Nationally normed

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oias.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $12.40 per term
- Full-Time Student: $24.80 per term

Physics (B.A.)

College of Sciences
Department of Physics,
Physical Sciences, Room: 430
Chair: Dr. Talat Rahman
http://www.physics.ucf.edu
Email: physics@ucf.edu
Dr. Elena Flitsiyan
Phone: 407-823-1156

Physics majors can select from two curricular options: BA in Physics, which gives students the flexibility to combine physics
UCF Degree Programs

with another focus area in an interdisciplinary program, in particular Physics Education, Nanoscale Science and Technology, Biophysics, Information Technology/Data Science, Technical Writing; and BS in Physics, which is intended to prepare students for the study of physics or a closely related subject in graduate school. In consultation with their academic advisors, students can choose between Option I and II by the end of the sophomore year.

Admission Requirements

- None

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Grades below "C" (2.0) in any required physics or mathematics courses are not acceptable; they must be repeated with a higher grade.
- Students must achieve a minimum cumulative GPA of 2.0 in all courses taken that could meet major requirements.
- All attempts that could meet requirements are included in the major GPA calculation. All attempts of courses listed for the major taken beyond the minimum required are included in the GPA calculation (e.g., additional restricted electives).
- Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Physics.
- Physics majors are discouraged from taking courses as a transient student at a Florida College System institution, except in situations where one semester of a two semester sequence has already been taken at the Florida College System institution.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first sixty hours.
- AA transfer students are expected to have completed the laboratory requirements.

1. UCF General Education Program (GEP) (39 hrs)

- Note: Certain courses must be selected in the GEP for this major which brings the GEP hours above 36.

A: Communication Foundations (9 hrs)  
- Prefer SPC 1003C Fundamentals of Technical Presentations

Take all of the following:

Required ENC 1101 Composition I and 3 hrs
Required ENC 1102 Composition II 3 hrs

B: Cultural & Historical Foundations (9 hrs)  
- Prefer PHI 2010 Introduction to Philosophy 3 hrs
- Prefer HUM 2210 Humanistic Tradition I 3 hrs
- Prefer HUM 2230 Humanistic Tradition II 3 hrs

C: Mathematical Foundations (7 hrs)  
- Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
- Suggested STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)  
- Prefer ECO 2023 Principles of Microeconomics 3 hrs
- Prefer PSY 2012 General Psychology 3 hrs

E: Science Foundations

Required PHY 2048C General Physics Using Calculus I 4 hrs
BSC 2010C Biology I 4 hrs

2. Common Program Prerequisites (CPP) (20 hrs)

MAC 2311C Calculus with Analytic Geometry I GEP
MAC 2312 Calculus with Analytic Geometry II 4 hrs
MAC 2313 Calculus with Analytic Geometry III 4 hrs

Select one of the following sequences of courses:

- CHM 2045C Chemistry Fundamentals I 4 hrs
- or CHM 2040 Chemistry Fundamentals IA and 6 hrs
- or CHM 2041 Chemistry Fundamentals IB 3 hrs

Take all of the following:

CHM 2046 Chemistry Fundamentals Laboratory 1 hr
PHY 2048C General Physics Using Calculus I GEP
PHY 2049C General Physics Using Calculus II 4 hrs

3. Core Requirements: Basic Level (24 hrs)

- In addition to those courses specified in the Common Program Prerequisites, students also must complete the following:

Core: Required, satisfies the CPP

CHM 2045C Chemistry Fundamentals I CPP
- or CHM 2040 Chemistry Fundamentals IA and CPP
- and CHM 2041 Chemistry Fundamentals IB CPP

MAC 2311C Calculus with Analytic Geometry I GEP/CPP
MAC 2312 Calculus with Analytic Geometry II CPP
MAC 2313 Calculus with Analytic Geometry III CPP
1 PHY 2048C General Physics Using Calculus I CPP
2 PHY 2049C General Physics Using Calculus II CPP

1 With Department permission this course can be substituted by PHY 2053C.
2 With Department permission this course can be substituted by PHY 2054C.

Core: Additional requirements

PHY 3101 General Physics Using Calculus III 3 hrs
PHY 3220 Mechanics I 3 hrs
PHY 3513 Thermal and Statistical Physics 3 hrs
PHY 3323 Electricity and Magnetism I 3 hrs
PHY 4604 Wave Mechanics I 3 hrs
PHZ 3113 Introduction to Theoretical Methods of Physics 3 hrs
MAP 2302 Ordinary Differential Equations I 3 hrs

Laboratory Requirements

PHY 3802L Intermediate Physics Laboratory 3 hrs

4. Core Requirements: Advanced Level

- Select one specialization

4.1 Education

- Students in this specialization must declare and be admitted to the Science Education Minor.

Required: 19 hrs

PHY 4012 Teaching Introductory Physics 3 hrs
EDG 4410 Teaching Strategies and Classroom Management 3 hrs
EDF 4467 Learning Theory and Assessment 3 hrs
TSL 4080 Theory and Practice of Teaching ESOL 3 hrs
SCE 4360 Science Instructional Analysis 4 hrs
SCE 4361 Programs in Teaching Science 3 hrs

Restricted electives: 9 hrs

- Select 9 credits from upper division PHY, PHZ, or AST courses or approved education courses to fulfill a double major or a minor in Science Education - Physics.
- The courses will be selected with adviser approval.
4.2 Nanoscience and Technology

Required: 12 hrs
- PHZ 3462 Nanoscience I: The Science and Societal Impacts 3 hrs
- PHZ 3464 Nanoscience II: Technological Applications 3 hrs
- PHZ 3466 Nanoscience III: A Virtual Laboratory 3 hrs
- EMA 3691 Nanomaterials Process Engineering 3 hrs

Restricted electives: 9 hrs
- Selected from upper division physics, mathematics, chemistry, computer science or engineering courses.

Directed electives: 15 hrs
- The elective courses will be selected with advisor approval.
  - PHY 3722C Physics Laboratory-Electronics 3 hrs
  - PHY 3752C Physics of Scientific Instruments 3 hrs
  - EMA 3014 Nanomaterials Characterization and Applications 3 hrs
  - PHZ 3151 Computer Methods in Physics 3 hrs
  - BSC 3424 Nanobiotechnology 3 hrs
  - OSE 3490 Nanophotonics 3 hrs
  - PHY 5933 Selected topics in biophysics of macromolecules 3 hrs
  - PHI 4600 Ethics in Nanoscience and Nanotechnology 3 hrs
  - PHZ 5425C Electron Solid Interactions 3 hrs
  - PHZ 5445 Nanofabrication using Focused Ion Beam 3 hrs
  - PHY 5704 Physics of Nanoelectronics Devices 3 hrs

4.3 Biophysics

Required: 18 hrs
- BSC 2011C Biology II 4 hrs
- CHM 2210 Organic Chemistry I 3 hrs
- CHM 2211 Organic Chemistry II 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs
- MCB 1310 Introduction to Biotechnology and Genetic Engineering 3 hrs
- BSC 3424 Nanobiotechnology 3 hrs

Restricted electives: 9 hrs
- Select 9 credits from upper division PHY, PHZ, or AST courses.
- The elective courses will be selected with advisor approval.

Directed electives: 9 hrs
- Select 9 credits from upper division biology or chemistry
- The elective courses will be selected with advisor approval.

Pre-meds are advised to take:
- PCB 3063 Genetics 3 hrs
- PCB 3063L Genetics Laboratory 1 hr
- PCB 3703C Human Physiology 4 hrs
- BCH 4053 Biochemistry I 3 hrs
- BCH 4054 Biochemistry II 3 hrs

4.4 Information Technology / Data Science

Required: 18 hrs
- COP 3223C Introduction to Programming with C 3 hrs
- COP 3502C Computer Science I 3 hrs
- COP 3330 Object Oriented Programming 3 hrs
- COP 4710 Database Systems 3 hrs
- GIS 3392 Cryptography and Information Security 3 hrs

Select 1:
- COT 3100C Introduction to Discrete Structures or 3 hrs
- MAD 2104 Foundations of Discrete Math 3 hrs

Restricted electives: 9 hrs
- Select 9 credits from upper division PHY, PHZ, or AST courses.
- The elective courses will be selected with advisor approval.

Directed electives: 6 hrs
- Select 6 credits from the following, or other approved upper division computer science, mathematics or engineering:
  - The elective courses will be selected with advisor approval.
  - CDA 3103C Computer Logic and Organization 3 hrs
  - COP 3402 Systems Software 3 hrs
  - COP 4516C Problem Solving Techniques and Team Dynamics 3 hrs

4.5 Technical Writing

Required: 15 hrs
- ENC 3241 Writing for the Technical Professional 3 hrs
- ENC 4260 Technical Writing Style 3 hrs
- ENC 4293 Documentation and the Collaborative Process 3 hrs
- ENC 4290 Usability Testing for Technical Communication 3 hrs
- ENC 4218 The Visual in Technical Documentation 3 hrs

Restricted electives: 9 hrs
- Select 9 credits from upper division PHY, PHZ, or AST courses.
- The elective courses will be selected with advisor approval.

Directed electives: 6 hrs
- Select 6 credits from upper division writing or communication courses:
  - The elective courses will be selected with advisor approval.
  - ENC 4155 Writing about Science and Technology 3 hrs
  - LIT 4433 Literature of Science and Technology 3 hrs
  - ENC 3314 Writing and Rhetoric Foundations 3 hrs
  - ENC 3250 Professional Writing 3 hrs
  - ENC 3351 Writing for Publication 3 hrs
  - ENC 4262 International Technical Communication 3 hrs

5. Restricted Electives
- None

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Met by graduation requirement

Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Grades below “C” (2.0) in any required physics or mathematics courses are not acceptable; they must be repeated with a higher grade.
- Students must achieve a minimum cumulative GPA of 2.0 in all courses taken that could meet major requirements.
- All attempts that could meet requirements are included in the major GPA calculation. All attempts of courses listed for the major taken beyond the minimum required are included in the GPA calculation (e.g., additional restricted electives).
- Students will be required to take a nationally normed test in Physics during their last year.
- Students will have an exit interview in their last semester with a representative of the Physics Undergraduate Committee.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120
UFC Degree Programs

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- The following substitutions for common program prerequisites are acceptable if taken prior to transferring to UCF:
  - CHM 2045C: may use CHM 1040 plus CHM 1041 or CHM 2040C plus CHM 2041C

Plan of Study
- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Prior to enrolling in Chemistry, take Chemistry Placement Test ~ http://knightsource.sdes.ucf.edu/
- Prior to enrolling in Math, take Math Placement Test ~ http://utc.sdes.ucf.edu/math
- Although all classes are listed during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

Freshman Year - Fall
- MAC 2311C: Calculus with Analytic Geometry I 4 hrs
- CHM 2045C: Chemistry Fundamentals I 4 hrs
- GEP 4 hrs
- GEP 3 hrs

Freshman Year - Spring
- PHY 2040C: General Physics Using Calculus I 4 hrs
- MAC 2312: Calculus with Analytic Geometry II 4 hrs
- CHM 2046: Chemistry Fundamentals II 3 hrs
- CHM 2046L: Chemistry Fundamentals Laboratory 1 hr
- Note: Lab may be taken later if seats are not available.
- GEP 3 hrs

Sophomore Year - Fall
- PHY 2049C: General Physics Using Calculus II 4 hrs
- MAC 2313: Calculus with Analytic Geometry III 4 hrs
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs

Sophomore Year - Spring
- PHY 3101: General Physics Using Calculus III 3 hrs
- PHZ 3113: Introduction to Theoretical Methods of Physics 3 hrs
- MAP 2302: Ordinary Differential Equations I 3 hrs
- GEP 3 hrs
- GEP 3 hrs

Junior Year - Fall
- PHY 3802L: Intermediate Physics Laboratory 3 hrs
- PHY 3323: Electricity and Magnetism I 3 hrs
- PHY 3513: Thermal and Statistical Physics 3 hrs
- Directed Elective 3 hrs
- Free Elective 3 hrs

Junior Year - Spring
- PHY 3220: Mechanics I 3 hrs
- Restricted Elective 3 hrs
- Directed Elective 3 hrs
- Directed Elective 3 hrs
- GEP 3 hrs

Senior Year - Fall
- PHY 4604: Wave Mechanics I 3 hrs
- Restricted Elective 3 hrs
- Directed Elective 3 hrs
- Directed Elective 3 hrs
- Free Elective 1 hr

Senior Year - Spring
- Restricted Elective 3 hrs
- Directed Elective 3 hrs
- GEP 3 hrs
- Free Elective 3 hrs
- Directed Elective 3 hrs
- Physics Test - Nationally Normed

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Political Science (B.A.)

Department of Political Science,
Howard Phillips Hall, Room: 302
http://politicalscience.cos.ucf.edu

Email: politics@ucf.edu
Dr. Kerstin Hamann
Phone: 407-823-2608

This degree program may be completed online, although not all elective options or program prerequisites may be offered online. Newly admitted students choosing to complete this program exclusively via UCF online classes may enroll with a reduction in campus-based fees. See http://ucf.edu/online for more information.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog
- Co-op or internship credit cannot be used in this major without prior departmental approval
- Students should consult with a departmental advisor
- Departmental Residency Requirement consists of at least 21 semester hours of regularly scheduled courses taken from the UCF Department of Political Science
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

Double major/dual degree policy in Political Science programs and minors
- 1. Students who double major/degree in any Political Science track and International and Global Studies shall not count more than two courses toward both programs, except the following:
  - POS 2041: American National Government 3 hrs
  - POS 3073: Scope and Methods of Political Science 3 hrs
- 2. Students who major in International and Global Studies, and minor in Political Science, shall not count more than one course toward both programs.
- 3. Students who major in any Political Science track, and minor in International and Global Studies, shall not count more than one course toward both programs.
- 4. Students who double minor in Political Science and International and Global Studies shall not count more than one course toward both programs.
1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Prefer ENC 1102 Composition II 3 hrs
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
For Track 1 (American Politics) students
- Prefer AHIH 2010 U.S. History: 1492-1877 3 hrs

C: Mathematical Foundations (6 hrs)
- 1. Math 3 hrs
  - Prefer MGF 1106 Finite Mathematics or 3 hrs
  - Prefer MGF 1107 Explorations in Mathematics or 3 hrs
- You may substitute a higher level math with appropriate scores on the Math Placement Test.

- 2. Statistics 3 hrs
  - Prefer STA 2014C Principles of Statistics or 3 hrs
  - Prefer STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
- May substitute a higher level Statistics course. 3 hrs

D: Social Foundations (6 hrs)
- Required POS 2041 American National Government 3 hrs
- Select from GEP D.2 list 3 hrs

E: Science Foundations (6 hrs)
- Required POS 2041 American National Government 3 hrs
- Select from GEP D.2 list 3 hrs

2. Common Program Prerequisites (CPP) (3 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- See Transfer Notes for possible substitutes.
- Required POS 2041 American National Government GEP
- POS 3703 Scope and Methods of Political Science 3 hrs
- Select from GEP D.2 list 3 hrs

3. Core Requirements: Basic Level
- Courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.

4. Core Requirements: Advanced Level (21 hrs)
- Courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.
- Required POS 3703 Scope and Methods of Political Science CPP

Two courses from Area A 6 hrs
Two courses from Area B 6 hrs
Two courses from Area C 6 hrs

5. Restricted Electives (12 hrs)
- Choose one of the following tracks.

Track 1: American Politics and Policy
- Two courses from Area A 6 hrs
- Two courses from any Area 6 hrs

Track 2: International Relations-Comparative Politics
- No more than one of the following courses may be considered part of area B credit:
  INR 4351 International Environmental Law or 3 hrs
  INR 4401 International Law or 3 hrs
  INR 4404 Space Law 3 hrs

Track 3: Prelaw
- Please see Political Science - Prelaw Track

Areas of Specialization

A. American Politics and Policy Area
- POS 3076 American Indian Politics or 3 hrs
- POS 3122 State Government and Public Policy or 3 hrs
- POS 3173 Southern Politics or 3 hrs
- POS 3182 Florida Politics or 3 hrs
- POS 3233 Public Opinion or 3 hrs
- POS 3234 Protest in American Politics or 3 hrs
- POS 3235 Mass Media and Politics or 3 hrs
- POS 3258 Politics in Film or 3 hrs
- POS 3273 Voting and Elections or 3 hrs
- POS 3272 Civic Engagement or 3 hrs
- POS 3413 The American Presidency or 3 hrs
- POS 3424 Congress and the Legislative Process or 3 hrs
- POS 3443 Political Parties and Processes or 3 hrs
- POS 3463 Interest Groups or 3 hrs
- POS 3627 Cultural Pluralism and Law or 3 hrs
- POS 3733 Designing Political Science Research or 3 hrs
- POS 4030 The Politics of Sports or 3 hrs
- POS 4074 Latino Politics or 3 hrs
- POS 4142 Metropolitan Politics or 3 hrs
- POS 4204 Political Behavior or 3 hrs
- POS 4244 Political Socialization or 3 hrs
- POS 4284 Judicial Process and Politics or 3 hrs
- POS 4412 Presidential Campaigning or 3 hrs
- POS 4603 American Constitutional Law I or 3 hrs
- POS 4604 American Constitutional Law II or 3 hrs
- POS 4622 Politics and Civil Rights or 3 hrs
- PUP 3203 Environmental Politics or 3 hrs
- PUP 3204 Sustainability or 3 hrs
- PUP 3314 Minorities in American Politics or 3 hrs
- PUP 3325 Women and Political Behavior or 3 hrs
- PUP 4003 American Public Policy or 3 hrs
- PUP 4209 Urban Environmental Policy or 3 hrs
- PUP 4322 Women and Public Policy or 3 hrs
- PUP 4404 Education and Politics or 3 hrs
- PUP 4503 Government and Science or 3 hrs
- PUP 4510 Space Policy or 3 hrs
- PUP 4602 Politics of Health or 3 hrs
- PUP 4744 Government and Business or 3 hrs
- PUP 4931 Topics in Public Policy 3 hrs

B. International Relations and Comparative Government Area
- CPO 3034 Politics of Developing Areas or 3 hrs
- CPO 3057 Contemporary Revolution and Political Violence or 3 hrs
- CPO 3103 Comparative Politics or 3 hrs
- CPO 3104 Politics of Western Europe or 3 hrs
- CPO 3132 Canadian Studies or 3 hrs
- CPO 3403 Politics of the Middle East or 3 hrs
- CPO 3614 Politics of Eastern Europe or 3 hrs
- CPO 4062 Comparative Judicial Process or 3 hrs
- CPO 4074 Political Economy or 3 hrs
- CPO 4101 Politics of the European Union or 3 hrs
- CPO 4123 Government and Politics of Great Britain or 3 hrs
- CPO 4303 Comparative Latin American Politics or 3 hrs
- CPO 4445 Comparative Political Parties or 3 hrs
- CPO 4514 Politics of East Asia or 3 hrs
- CPO 4541 Chinese Politics or 3 hrs
- CPO 4553 Politics of Japan or 3 hrs
- CPO 4643 Government and Politics of Russia or 3 hrs
- CPO 4710 Women in Comparative Politics or 3 hrs
- CPO 4731 Politics of Democratization or 3 hrs
- CPO 4754 Comparative Political Institutions or 3 hrs
- CPO 4784 Political and Economic Inequality in Comparative Perspective or 3 hrs
- CPO 4794 Indigenous Politics and the Environment or 3 hrs
- GEO 3471 World Political Geography or 3 hrs
- INR 2002 International Relations-Theory and Practice or 3 hrs
- INR 3016 Global Political Issues or 3 hrs
- INR 3250 Politics of Pan-Africanism or 3 hrs
- INR 3253 International Politics of Africa or 3 hrs
- INR 4008 Global Perspectives or 3 hrs
- INR 4011 Politics of Globalization or 3 hrs
- INR 4030 Diplomacy or 3 hrs
- INR 4035 International Political Economy or 3 hrs
- INR 4054 Global Politics of Energy or 3 hrs
UCF Degree Programs

INR 4060 Causes of War or 3 hrs
INR 4074 Immigration Policy or 3 hrs
INR 4075 Human Rights Policy or 3 hrs
INR 4076 Global Drug Policy or 3 hrs
INR 4084 Politics of International Terrorism or 3 hrs
INR 4085 Women, Gender, and Globalization or 3 hrs
INR 4102 American Foreign Policy or 3 hrs
INR 4104 Topics and Cases in American Foreign Policy or 3 hrs
INR 4114 American Security Policy or 3 hrs
INR 4115 Strategic Weapons and Arms Control or 3 hrs
INR 4224 Contemporary International Politics of Asia or
INR 4225 The Vietnam War or 3 hrs
INR 4243 International Politics of Latin America or 3 hrs
INR 4304 Issues in International Public Policy or 3 hrs
INR 4335 Coercion in International Politics or 3 hrs
INR 4350 Global Environmental Politics or 3 hrs
INR 4351 International Environmental Law or 3 hrs
INR 4364 The Intelligence Community or 3 hrs
INR 4401 International Law or 3 hrs
INR 4404 Space Law or 3 hrs
INR 4502 International Organizations or 3 hrs
INR 4714 Politics of International Trade Policy or 3 hrs
INR 4744 Militaries in World Politics or 3 hrs
INR 4764 Cyberwarfare Policy or 3 hrs
INR 4765 Emerging Space Powers or 3 hrs
INR 4774 Military Space Policy or 3 hrs
POS 3733 Designing Political Science Research or 3 hrs
PUP 3014 Comparative Public Policy or 3 hrs
PUP 4510 Space Policy or 3 hrs
C. Political Theory Area 6 hrs
INR 4603 International Relations Theory or 3 hrs
POS 4206 Political Psychology or 3 hrs
POT 3204 American Political Thought or 3 hrs
POT 3302 Modern Political Ideologies or 3 hrs
POT 4003 Political Theory or 3 hrs
POT 4025 Ancient, Medieval and Early Modern Political Philosophy or 3 hrs
POT 4054 Modern Political Philosophy or 3 hrs
POT 4066 Contemporary Political Theory or 3 hrs
POT 4109 Politics and Literature or 3 hrs
POT 4305 Democracy, Capitalism, and the Individual or 3 hrs
POT 4314 Contemporary Democratic Theory or 3 hrs
POT 4331 Utopia/Dystopia or 3 hrs
POT 4345 Pan-Africanist Thought or 3 hrs
POT 4414 Marxist Political Theory or 3 hrs
POT 4632 Religion and Politics or 3 hrs

6. Capstone Requirements
■ None

7. Foreign Language Requirements
Admissions
■ Met by graduation requirement
Graduation
■ Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
■ Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.
■ Internship Program: For students who excel, a limited number of internships may be available each semester for three to six hours of credit. Under the Internship Director, the student is typically placed in an office of local, state, or national government, a law office, or a campaign headquarters.
■ No more than 9 credits of a combination of Honors courses in the major, Independent Study, and Internship may be counted toward the major in Political Science, provided that no more than 50% of an Area be covered by such credits.

9. Additional Requirements
■ None

10. Required Minors
■ None

11. Departmental Exit Requirements
■ Students must maintain a minimum cumulative GPA of 2.0 in all courses taken in the major. If additional major courses are taken beyond the minimum required (e.g. additional restricted electives), those courses will be included in the GPA calculation.
■ Complete the Educational Testing Service Field Exam in Political Science during the student’s graduating semester while enrolled in the 0 credit Exit Exam Course.

12. University Minimum Exit Requirements
■ A 2.0 UCF GPA
■ 60 semester hours earned after CLEP awarded
■ 48 semester hours of upper division credit completed
■ 30 of the last 39 hours of course work must be completed in residency at UCF.
■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
■ Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
■ 120

Honors In Major
■ Interested students who meet the requirements are encouraged to participate in the HIM program. Contact the department for information about the program and the HIM coordinator.
■ No more than 9 credits of a combination of Honors in the Major, Independent Study, and Internship may be counted toward the major in Political Science, provided that no more than 50% of an Area be covered by such credits.

Related Programs
■ Economics
■ History
■ Diplomacy

Related Minors
■ Economics
■ History
■ Psychology
■ Sociology
■ Philosophy

Advising Notes
■ None

Transfer Notes
■ Lower division courses do not substitute for upper division courses.
■ Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
■ The following substitutions for common program prerequisites are acceptable if taken prior to transferring to UCF:
■ POS 2041: any three hours of introductory Political Science classes will satisfy the CPP. However since this course is required in the core of the major and is a prerequisite to subsequent courses, it still must be taken.
■ POS 3703: any three hours of introductory Political Science classes will satisfy the CPP. However since this course is required in the core of the major, it still must be taken.

Plan of Study
■ This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
■ Prior to enrolling in Math, take Math Placement Test – http://utc.sdes.ucf.edu
Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

Freshman Year - Fall 15 hrs
- POS 2041 American National Government 3 hrs
- AMH 2010 U.S. History: 1492-1877 3 hrs
- ENC 1101 Composition I 3 hrs
- GEP-Math 3 hrs
- GEP 3 hrs

Freshman Year - Spring 15 hrs
- AMH 2020 U.S. History: 1877-Present 3 hrs
- ENC 1102 Composition II 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs

Sophomore Year - Fall 16 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- GEP 3 hrs
- Free Elective 3 hrs
- Foreign Language 4 hrs

Sophomore Year - Spring 16 hrs
- POS 3703 Scope and Methods of Political Science 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Foreign Language 4 hrs
- GEP 3 hrs

Junior Year - Fall 15 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs

Junior Year - Spring 15 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs

Senior Year - Fall 15 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs

Senior Year - Spring 13 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs
- POS 4961 Exit Exam 0 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $5 per term
- Full-Time Student: $10 per term

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in this major without prior departmental approval
- Students should consult with a departmental advisor
- Departmental Residency Requirement consists of at least 21 semester hours of regularly scheduled courses taken from the UCF Department of Political Science
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours

Double major/dual degree policy in Political Science programs and minors
- 1. Students who double major/degree in any Political Science track and International and Global Studies shall not count more than two courses toward both programs, except the following courses;
  - POS 2041 American National Government 3 hrs
  - POS 3703 Scope and Methods of Political Science 3 hrs
- 2. Students who major in any Political Science track, and minor in International and Global Studies, shall not count more than one course toward both programs.

1. UCF General Education Program (GEP) (36 hrs)
   - A: Communication Foundations (9 hrs)
     - Required ENC 1101 Composition I 3 hrs
     - Prefer ENC 1102 Composition II 3 hrs
     - Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs
   - B: Cultural & Historical Foundations (9 hrs)
     - For students doing Option 1 3 hrs
       - Prefer AMH 2010 U.S. History: 1492-1877 3 hrs
     - For students doing Option 2:
       - Prefer EUH 2001 Western Civilization II or 3 hrs
       - Prefer WOH 2022 World Civilization II 3 hrs
       - Select two courses from B 2. 6 hrs
   - C: Mathematical Foundations (6 hrs)
     - Math: 3 hrs
       - Prefer MGF 1106 Finite Mathematics or 3 hrs
       - Prefer MGF 1107 Explorations in Mathematics or 3 hrs
       - May substitute a higher level math with appropriate scores on the Math Placement Test.
     - Statistics: 3 hrs
       - Prefer STA 2014C Principles of Statistics or 3 hrs
       - Prefer STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
       - May substitute a higher level statistics course. 3 hrs
   - D: Social Foundations (6 hrs)
     - Political Science 3 hrs
       - Required POS 2041 American National Government 3 hrs
     - Social Science 3 hrs
       - Select one of the listed courses 3 hrs
   - E: Science Foundations (6 hrs)

Political Science - Prelaw Track (B.A.)
College of Sciences
Department of Political Science,
Howard Phillips Hall, Room: 302
http://politicalscience.cos.ucf.edu/
Email: politics@ucf.edu
Dr. Roger Handberg
Phone: 407-823-2608

While no specific major is prescribed for admission to law school, many prelaw students elect to major in political science. These individuals usually choose the prelaw emphasis within the political science major. Prelaw students are encouraged to work closely with a prelaw advisor in planning their programs. By judicious use of electives, students build a firm foundation for law school entry and acquire a broad training which can result in career options upon graduation. For further information, consult one of the Department’s prelaw advisors or the College of Sciences Prelaw Advisor. The following represent a suggested curriculum which both meets the requirements for a Political Science degree while preparing you for professional school.
UCF Degree Programs

2. Common Program Prerequisites (CPP)  (3 hrs)
   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   See Transfer Notes for possible substitutes for the following courses.
   POS 2041 American National Government  GEP
   POS 2073 American National Government  GEP/CPP
   POS 3703 Scope and Methods of Political Science  3 hrs

3. Core Requirements: Basic Level
   Courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.
   POS 2041 American National Government  GEP/CPP
   POS 3703 Scope and Methods of Political Science  CPP
   POS 4284 Judicial Process and Politics  3 hrs
   POS 4961 Exit Exam (course during graduating semester)

4. Core Requirements: Advanced Level  (3 hrs)
   Courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.
   POS 3703 Scope and Methods of Political Science  CPP
   POS 4284 Judicial Process and Politics  3 hrs
   POS 4961 Exit Exam (course during graduating semester)

5. Restricted Electives  (27 hrs)
   Select one from the following courses:  3 hrs
   POS 4603 American Constitutional Law I or  3 hrs
   POS 4604 American Constitutional Law II or  3 hrs
   INR 4401 International Law  3 hrs
   Take all of the following:  24 hrs
   Two courses from Area A and  6 hrs
   Two courses from area B and  6 hrs
   One course from area C and  3 hrs
   Three courses from Any Area  9 hrs

Areas of Specialization
A. American Politics and Policy Area
   POS 3122 State Government and Public Policy or  3 hrs
   POS 3173 Southern Politics or  3 hrs
   POS 3162 Florida Politics or  3 hrs
   POS 3233 Public Opinion or  3 hrs
   POS 3234 Protest in American Politics or  3 hrs
   POS 3235 Mass Media and Politics or  3 hrs
   POS 3258 Politics in Film or  3 hrs
   POS 3272 Civic Engagement or  3 hrs
   POS 3273 Voting and Elections or  3 hrs
   POS 3413 The American Presidency or  3 hrs
   POS 3424 Congress and the Legislative Process or  3 hrs
   POS 3443 Political Parties and Processes or  3 hrs
   POS 3463 Interest Groups or  3 hrs
   POS 3627 Cultural Pluralism and Law or  3 hrs
   POS 3733 Designing Political Science Research or  3 hrs
   POS 4030 The Politics of Sports or  3 hrs
   POS 4034 Latino Politics or  3 hrs
   POS 4142 Metropolitan Politics or  3 hrs
   POS 4204 Political Behavior or  3 hrs
   POS 4244 Political Socialization or  3 hrs
   POS 4260 Judicial Process and Politics or  3 hrs
   POS 4412 Presidential Campaigning or  3 hrs
   POS 4603 American Constitutional Law I or  3 hrs
   POS 4604 American Constitutional Law II or  3 hrs
   POS 4622 Politics and Civil Rights or  3 hrs
   POS 4764 GIS for Political Analysis or  3 hrs
   PUP 3003 Environmental Politics or  3 hrs
   PUP 3314 Minorities in American Politics or  3 hrs
   PUP 3325 Women and Political Behavior or  3 hrs
   PUP 4003 American Public Policy or  3 hrs
   PUP 3204 Sustainability or  3 hrs
   PUP 4209 Urban Environmental Policy or  3 hrs
   PUP 4323 Women and Public Policy or  3 hrs
   PUP 4404 Education and Politics or  3 hrs
   PUP 4503 Government and Science or  3 hrs
   PUP 4510 Space Policy or  3 hrs
   PUP 4602 Politics of Health or  3 hrs
   PUP 4744 Government and Business or  3 hrs
   PUP 4931 Topics in Public Policy  3 hrs

B. International Relations and Comparative Government Area
   CPO 3034 Politics of Developing Areas or  3 hrs
   CPO 3057 Contemporary Revolution and Political Violence or  3 hrs
   CPO 3103 Comparative Politics or  3 hrs
   CPO 3104 Politics of Western Europe or  3 hrs
   CPO 3132 Canadian Studies or  3 hrs
   CPO 3403 Politics of the Middle East or  3 hrs
   CPO 3614 Politics of Eastern Europe or  3 hrs
   CPO 4062 Comparative Judicial Process or  3 hrs
   CPO 4074 Political Economy or  3 hrs
   CPO 4101 Politics of the European Union or  3 hrs
   CPO 4123 Government and Politics of Great Britain or  3 hrs
   CPO 4303 Comparative Latin American Politics or  3 hrs
   CPO 4445 Comparative Political Parties or  3 hrs
   CPO 4514 Politics of East Asia or  3 hrs
   CPO 4541 Chinese Politics or  3 hrs
   CPO 4553 Politics of Japan or  3 hrs
   CPO 4643 Government and Politics of Russia or  3 hrs
   CPO 4710 Women in Comparative Politics or  3 hrs
   CPO 4731 Politics of Democratization or  3 hrs
   CPO 4754 Comparative Political Institutions or  3 hrs
   CPO 4784 Political and Economic Inequality in Comparative Perspective or  3 hrs
   CPO 4794 Indigenous Politics and the Environment or  3 hrs
   GEO 3471 World Political Geography or  3 hrs
   INR 2002 International Relations-Theory and Practice or  3 hrs
   INR 3016 Global Political Issues or  3 hrs
   INR 3250 Politics of Pan-Africanism or  3 hrs
   INR 3253 International Politics of Africa or  3 hrs
   INR 4008 Global Perspectives or  3 hrs
   INR 4011 Politics of Globalization or  3 hrs
   INR 4030 Diplomacy or  3 hrs
   INR 4035 International Political Economy or  3 hrs
   INR 4054 Global Politics of Energy or  3 hrs
   INR 4060 Causes of War or  3 hrs
   INR 4074 Immigration Policy or  3 hrs
   INR 4075 Human Rights Policy or  3 hrs
   INR 4076 Global Drug Policy or  3 hrs
   INR 4084 Politics of International Terrorism or  3 hrs
   INR 4085 Women, Gender, and Globalization or  3 hrs
   INR 4102 American Foreign Policy or  3 hrs
   INR 4104 Topics and Cases in American Foreign Policy or  3 hrs
   INR 4114 American Security Policy or  3 hrs
   INR 4115 Strategic Weapons and Arms Control or  3 hrs
   INR 4224 Contemporary International Politics of Asia or  3 hrs
   INR 4225 The Vietnam War or  3 hrs
   INR 4243 International Politics of Latin America or  3 hrs
   INR 4304 Issues in International Public Policy or  3 hrs
   INR 4335 Coercion in International Politics or  3 hrs
   INR 4350 Global Environmental Politics or  3 hrs
   INR 4351 International Environmental Law or  3 hrs
   INR 4364 The Intelligence Community or  3 hrs
   INR 4401 International Law or  3 hrs
   INR 4404 Space Law or  3 hrs
   INR 4502 International Organizations or  3 hrs
   INR 4714 Politics of International Trade Policy or  3 hrs
   INR 4744 Militaries in World Politics or  3 hrs
   INR 4765 Emerging Space Powers or  3 hrs
   INR 4774 Military Space Policy or  3 hrs
   POS 3733 Designing Political Science Research or  3 hrs
   PUP 3014 Comparative Public Policy or  3 hrs
   PUP 4510 Space Policy or  3 hrs

C. Political Theory Area
   INR 4603 International Relations Theory or  3 hrs
   POS 4206 Political Psychology or  3 hrs
   POT 3204 American Political Thought or  3 hrs
   POT 3302 Modern Political Ideologies or  3 hrs
   POT 4003 Political Theory or  3 hrs
   POT 4025 Ancient, Medieval and Early Modern Political Philosophy or  3 hrs
   POT 4054 Modern Political Philosophy or  3 hrs
   POT 4066 Contemporary Political Theory or  3 hrs
   POT 4109 Politics and Literature or  3 hrs
   POT 4305 Democracy, Capitalism, and the Individual or  3 hrs
   POT 4314 Contemporary Democratic Theory or  3 hrs
   POT 4331 Utopia/Dystopia or  3 hrs
   POT 4345 Pan-Africanist Thought or  3 hrs
   POT 4414 Marxist Political Theory or  3 hrs
   POT 4632 Religion and Politics or  3 hrs
6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Met by graduation requirement

Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

Internship Program: For students who excel, a limited number of internships may be available each semester for three to six hours of credit. Under the Internship Director, the student is typically placed in an office of local, state, or national government, a law office, or campaign headquarters.
- The following courses are not required, but serious students should consider taking these as free electives.
  - ACG 2071: Principles of Managerial Accounting
  - BUL 3130: Legal and Ethical Environment of Business
  - ENC 3241: Writing for the Technical Professional
  - ENC 3250: Professional Writing
  - LIN 4105: History of the English Language
  - MGF 3302: Logic and Proof in Mathematics
  - PHI 2101: Formal Logic I
  - PHI 2102: Formal Logic II
  - PLA 3108: Legal Research
  - PLA 3155: Legal Writing
  - POS 4941: Political Science Internship

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Students must maintain a minimum cumulative GPA of 2.0 in all courses taken in the major. If additional major courses are taken beyond the minimum required (e.g. additional restricted electives), those courses will be included in the GPA calculation.
- Complete the Educational Testing Service Field Exam in Political Science during the student's graduating semester while enrolled in the 0 credit Exit Exam Course.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- Interested students who meet the requirements are encouraged to participate in the HIM program. Contact the department for information about the program and the HIM coordinator.

Related Programs
- Economics
- History
- Philosophy
- Legal Studies
- Criminal Justice

Certificates
- Diplomacy

Related Minors
- Business
- Criminal Justice
- Diplomacy
- Economics
- English - Creative Writing
- English - Technical Communication
- History
- Human Communication
- Intelligence and National Security
- Legal Studies
- Mass Communication
- Philosophy
- Public Administration
- Sociology
- Writing and Rhetoric

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- The following substitutions for common program prerequisites are acceptable if taken prior to transferring to UCF:
  - POS 2041: any three hours of introductory Political Science classes will satisfy the CPP. However since this course is required in the core of the major and is a prerequisite to subsequent courses, it still must be taken.
  - POS 370: any three hours of introductory Political Science classes will satisfy the CPP. However since this course is required in the core of the major, it still must be taken.

Plan of Study
- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Prior to enrolling in Math, take Math Placement Test ~ http://utc.sdes.ucf.edu
- Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

Freshman Year - Fall
- POS 2041: American National Government
- AMH 2020: U.S. History: 1877-Present
- GEP-Math
- ENC 1101: Composition I
- GEP

Freshman Year - Spring
- AMH 2020: U.S. History: 1877-Present
- ENC 1102: Composition II
- STA 2014C: Principles of Statistics
- GEP
- GEP

Sophomore Year - Fall
- Restricted Elective
- Foreign Language
- Restricted Elective
- Supporting Elective
- GEP

Sophomore Year - Spring
- POS 3703: Scope and Methods of Political Science
- Restricted Elective
- Supporting Elective
- Foreign Language
- GEP
Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oeas.ucf.edu/aic/academic_learning_compacts.htm

Psychology (B.S.)
College of Sciences
Department of Psychology,
Psychology Building, Room: 301
http://psychology.cos.ucf.edu
Email: psychadvising@ucf.edu

Psychology Advising Center, PSY 250, 407-823-2219

This degree program may be completed online, although not all elective options or program prerequisites may be offered online. Newly admitted students choosing to complete this program exclusively via UCF online classes may enroll with a reduction in campus-based fees. See http://ucf.edu/online for more information.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog
- Departmental Residency Requirement: at least 21 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Psychology Department
- Students must earn a grade of “C” (2.0) or better in each course used to satisfy the CPP, Core Requirements, Restricted Electives and Science Electives.
- Students must maintain a minimum cumulative GPA of 2.0 in all courses satisfying major requirements. If additional Psychology courses are taken beyond the minimum required (e.g. additional restricted electives), those courses will be included in the GPA calculation.
- Co-op or internship credit cannot be used in this major without prior approval
- Students should consult with the Psychology Advising Center, prior to applying for graduation (before registration for the final term).
- Graduating seniors should complete the senior exit survey
- Additional requirements exist for students pursuing the Honors in the major program.
5. Restricted Electives (33 hrs)

A. Experimental: Select from the following: 6 hrs
- EXP 3404 Basic Learning Processes or 3 hrs
- EXP 3204 Perception or 4 hrs
- EXP 3904 Cognitive Psychology or 4 hrs
- PSB 4240C Neuropsychology or 4 hrs
- PSY 4215C Advanced Research Methods in Psychology or 4 hrs
- EXP 3640 Psychology of Language 3 hrs

B. Personality/Social: Select from the following: 3 hrs
- PPE 3003 Personality Theory and Research or 3 hrs
- SOP 3004 Social Psychology 3 hrs

C. Developmental: Select from the following: 3 hrs
- DEP 2004 Developmental Psychology 3 hrs
- DEP 3202 Psychology of Exceptional Children or 3 hrs
- DEP 3464 Psychology of Aging 3 hrs

D. Diversity: Select from the following: 3 hrs
- CLP 3184 Women’s Mental Health or 3 hrs
- SOP 3742 Psychology of Women or 3 hrs
- SOP 3723 Cross Cultural Psychology or 3 hrs
- SOP 3724 Psychology of Prejudice or 3 hrs
- SOP 3764 Psychology of Diversity 3 hrs

E. Applied: Select from the following: 3 hrs
- CLP 3302 Clinical Psychology or 3 hrs
- EXP 3250 Principles of Human Factors Psychology or 3 hrs
- INP 3004 Industrial/Organizational Psychology 3 hrs

F. Psychology Electives 9 hrs
- Select additional courses from those taught by the Psychology department
- NOTE: The following courses will NOT fulfill this requirement.
  - INP 5141C Advanced Applied Psychology or 1 hr
  - INP 3951 Industrial/Organizational Field Work or 3 hrs
  - PSY 3905 Directed Independent Study or 1 hr
  - PSY 4906 Directed Independent Study or 1 hr
  - PSY 4912 Directed Independent Research 1 hr

G. Math/Science Electives: Select from the following: 6 hrs
- Students must meet the course prerequisites for any course they select. See course listing for prerequisites
  - ANT 2511 The Human Species or 3 hrs
  - ANT 3541 Biobehavioral Anthropology or 3 hrs
  - ANT 3550C Primatology or 3 hrs
  - ANT 4516 Human Biological Diversity or 3 hrs
  - ANT 4586C Human Origins or 3 hrs
  - BSC 2011C Biology I or 4 hrs
  - BSC 4312C Advanced Marine Biology or 3 hrs
  - CHM 1020 Concepts in Chemistry or 3 hrs
  - CHM 2045C Chemistry Fundamentals I or 4 hrs
  - CHM 2046 Chemistry Fundamentals II or 4 hrs
  - EVR XXX Any EVR prefix course or 3 hrs
  - HSA 4702 Health Sciences Research Methods or 3 hrs
  - HSC 3147 Introduction to Pharmacology or 3 hrs
  - MAC 2233 Concepts of Calculus or 3 hrs
  - MAC 2253 Applied Calculus or 3 hrs
  - MCB XXX Any MCB prefix course or 3 hrs
  - PCB 3083 Genetics or 3 hrs
  - PCB 3703C Human Physiology or 4 hrs
  - PHY 2053C College Physics I or 4 hrs
  - PSC 1121 Physical Science or 3 hrs
  - STA 4102 Computer Processing of Statistical Data or 3 hrs
  - STA 4163 Statistical Methods II or 3 hrs
  - STA 4164 Statistical Methods III or 3 hrs
  - ZOO XXX Any ZOO prefix course or 3 hrs

6. Capstone Requirements
- PSY 4049 Psychology Capstone 1 hr

7. Foreign Language Requirements
  - Admissions: Met by graduation requirement.

Graduation
- Proficiency equivalent to one year of college instruction in either a foreign language, or two semesters equivalent of American Sign Language. Standardized examinations may be used to meet the requirement.
UCF Degree Programs

- Biology: any lower level BSC course or ZOO X010 will satisfy the CPP. However, the course is required in the core and still must be taken. In addition, the advanced course is a prerequisite for some courses.
- Statistics: any lower level STA course will satisfy the CPP. However, the course is required in the core and still must be taken. In addition, they are prerequisites for some courses.
- DEP 2004C: any lower level psychology course will fulfill the CPP. However, since this course satisfies the CPP as well as psychology restricted elective 5C, students are advised to select it to satisfy their CPP.

Plan of Study

- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

Freshman Year - Fall (15 hrs)

- PSY 2012 General Psychology 3 hrs
- ENC 1101 Composition I 3 hrs
- GEP-Math 3 hrs
- GEP 3 hrs
- GEP 3 hrs

Freshman Year - Spring (15 hrs)

- Biology 3 hrs
- Statistics 3 hrs
- ENC 1102 Composition II 3 hrs
- GEP 3 hrs
- Psychology Cornerstone 2 hrs

Sophomore Year - Fall (16 hrs)

- DEP 2004 Developmental Psychology 3 hrs
- Restricted Elective 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- Foreign Language 4 hrs

Sophomore Year - Spring (15 hrs)

- Restricted Elective 4 hrs
- Restricted Elective 4 hrs
- Foreign Language 4 hrs
- GEP 3 hrs

Junior Year - Fall (16 hrs)

- PSB 3002 Physiological Psychology 3 hrs
- PSY 3204C Statistical Methods in Psychology 4 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Elective / Minor 3 hrs

Junior Year - Spring (15 hrs)

- PSY 3213C Research Methods in Psychology 5 hrs
- Elective / Minor 3 hrs
- Restricted Elective 4 hrs
- Restricted Elective 3 hrs

Senior Year - Fall (13 hrs)

- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Psychology Capstone 1 hr
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs

Senior Year - Spring (15 hrs)

- PSY 4604 History and Systems of Psychology 3 hrs
- Elective / Minor 3 hrs
- Restricted Elective 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: $13.00 per term
- Full-Time Student: $26 per term

Public Administration (B.A./B.S.)

College of Health and Public Affairs

School of Public Administration,
Health and Public Affairs II, Room: 238
http://www.cohpa.ucf.edu/publicadmin/
Dr. Michael Abels, michael.abels@ucf.edu
Phone: 407-823-2604

The School of Public Administration provides the highest quality undergraduate education for students interested in working in the public and private sectors, as well as, nonprofit organizations. The school strives to achieve local, state and national prominence through contemporary curriculum, innovative instruction, scholarly and applied research, and community service. Programs and services develop and enhance management skills essential to public and nonprofit organizations oriented towards an evolving metropolitan environment. The school offers an undergraduate program leading to a Bachelor of Arts (BA) or a Bachelor of Science (BS) in Public Administration. The program provides opportunities for students to prepare for employment as public administrators and produces graduates with the public management skills and analytical techniques needed for successful careers in government, nonprofit and related business fields.

Admission Requirements

- None

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program and the Common Program Prerequisites before transferring within the Florida College System or State University System.
- Students should consult with a departmental advisor on a regular basis.
- Students must earn at least a “C” (2.0) in each course accepted as a common program prerequisite and Core Requirement (see sections 2 and 3 below).
- No transfer course will be accepted with a grade lower than a “C” (2.0).
- The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should usually be completed in the first 60 hours.
- Students must earn a 2.5 GPA in the major (all PAD Courses) in order to graduate.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (6 hrs)

Required GES 1060C Introduction to Computers 3 hrs

D: Social Foundations (6 hrs)
Required POS 2041 American National Government 3 hrs

E: Science Foundations (6 hrs)

Select 1: (3 hrs)
- ECO 2013 Principles of Macroeconomics or
- ECO 2023 Principles of Microeconomics

2. Common Program Prerequisites (CPP) (3 hrs)

- See “Common Prerequisites” in the Transfer and Transition Services section

Required GES 1060C Introduction to Computers GEP
Required POS 2041 American National Government GEP

Select 2: (3 hrs)

3. Core Requirements: Basic Level

- None
4. Core Requirements: Advanced Level (24 hrs)
All core requirements must be completed with a minimum major GPA of (2.5) to satisfy the major.
- PAD 3003 - Public Administration in American Society 3 hrs
- PAD 3733 - Professional Administrative Writing in the Public Sector 3 hrs
- PAD 4034 - The Administration of Public Policy 3 hrs
- PAD 4104 - Administrative Theory 3 hrs
- PAD 4204 - Fiscal Management 3 hrs
- PAD 4414 - Human Resource Administration 3 hrs
- PAD 4720 - Survey Research in Public Administration 3 hrs
- PAD 4949 - Cooperative Education 3 hrs

5. Restricted Electives (24 hrs)
Required Minor or Certificate in the School of Public Administration
- Students must complete a minor or certificate from the School of Public Administration offered at UCF. Choose from: Emergency Management and Homeland Security; Nonprofit Management/National Certification in Nonprofit Management or the Certificate in Nonprofit Management; and Urban and Regional Planning, or other minor approved by the Undergraduate Program Director, excluding the minor in Public Administration. The minor cannot overlap with any other major requirement, PAD Core or BS required course. Students pursuing a minor outside the School of Public Administration must complete a minimum of 16 credit hours within that minor. Should that minor not require 18 credit hours the student must fulfill the 18 hour minor requirement by completing courses within the field of public administration.

Supporting Upper-Division Electives 6 hrs
- Students pursuing the B.A. degree must complete six upper-level credits. These courses may be taken from the School of Public Administration or outside the School of Public Administration, as long as the prerequisites have been met.
- Students pursuing the B.S. degree must complete six upper-level credits. These courses must be selected from the approved list of courses provided by the School of Public Administration.

6. Capstone Requirements
- None

7. Foreign Language Requirements
Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to two semesters or one year at the college level, beyond University requirement. ASL I, II and III can also be used to fulfill this requirement.

8. Electives
- Students are encouraged to select courses as electives or other courses that will enhance their background in the public administration field. These may be used to build minors and certificates offered by the University. Examples include: Business, Criminal Justice, Diplomacy, Economics, Environmental Studies, Florida Studies, Global Peace and Security Studies, Health Services Administration, Leadership Studies, Legal Studies, Political Science, and Terrorism Studies.
- The University requires 48 upper-level credits in order to graduate, students choosing the Nonprofit Management minor with the Generalist Emphasis may need to take additional upper-level electives to satisfy the University requirement.

9. Additional Requirements
- None

10. Required Minors
- Students must complete a minor or certificate from the School of Public Administration offered at UCF or another minor approved by the Undergraduate Program Director. Minors in Public Administration can include Emergency Management and Homeland Security; Nonprofit Management/National Certification in Nonprofit Management; and Urban and Regional Planning, excluding the minor in Public Administration. The minor cannot overlap with any other major requirement, PAD Core or BS required course.

11. Departmental Exit Requirements
- The students must attain a minimum grade of “C” (2.0) in all Common Program Prerequisites courses and in all Core Requirements (see sections 2 and 3 above).
- An overall 2.0 GPA must be attained for all coursework (see sections 1, 2, 3, and 4).
- Students must earn a 2.5 GPA in the major in order to graduate.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- Admission: Applications to the Honors in the Major program must be approved by the Associate Dean of the Honors College and a Faculty Advisor in the School of Public Administration.

Related Programs
- Business Administration
- Criminal Justice
- Economics
- Health Services Administration
- Legal Studies
- Management
- Political Science
- Social Work

Certificates
- None

Related Minors
- Business
- Criminal Justice
- Diplomacy
- Economics
- Entrepreneurship
- Environmental Studies
- Florida Studies
- Health Services Administration
- International and Global Studies
- Leadership Studies
- Legal Studies
- Political Science
- Terrorism Studies

Advising Notes
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.
- Students are urged to have access to a personal computer, modem, and appropriate software to interact with the University and professors.
UCF Degree Programs

Transfer Notes
- Florida College System students are advised to complete the Associate of Arts degree, to include the general education requirements and the common program prerequisites.
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be formally evaluated for equivalency credit.
- The student must provide a course syllabus and any additional supporting documentation with his/her petition for this evaluation.
- Common Program Prerequisites for the State University System for the School of Public Administration programs include American National Government (POS2041), Macroeconomics (ECO2013), Microeconomics (ECO2023), Statistics (STA2014 or STA2023), and Introduction to Computer (CGS1000, CGS1060, or CGS2100).
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the Public Administration program. Only grades of "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each common program prerequisite class.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- This is one of numerous possible plans of study.
- Although all classes are listed as being taken during the academic year, you may take classes during the summer semester.

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- CGS 1060C Introduction to Computers 3 hrs
- POS 2041 American National Government 3 hrs
- Free Elective 3 hrs
- GEP Cultural 3 hrs

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- MAC 1105C College Algebra 3 hrs
- GEP Communication 3 hrs
- Free Elective 3 hrs
- GEP Social 3 hrs

Sophomore Year - Fall
- STA 2014C Principles of Statistics 3 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs
- Free Elective 3 hrs
- GEP Historical 3 hrs
- GEP Science 3 hrs

Sophomore Year - Spring
- PAD 3003 Professional Administrative Writing in the Public Sector 3 hrs
- Free Elective 3 hrs
- GEP Historical 3 hrs
- GEP Science 3 hrs

Junior Year - Fall
- PAD 4104 Administrative Theory 3 hrs
- PAD 4414 Human Resource Administration 3 hrs
- PAD Approved Minor Course 3 hrs
- PAD Approved Minor Course 3 hrs
- Free Elective 3 hrs

Junior Year - Spring
- PAD 4034 The Administration of Public Policy 3 hrs
- PAD 4720 Survey Research in Public Administration 3 hrs
- PAD Approved Minor Course 3 hrs
- PAD Approved Minor Course 3 hrs
- Free Elective 3 hrs

Senior Year - Fall
- PAD 4949 Cooperative Education 3 hrs
- PAD Approved Minor Course 3 hrs
- PAD Approved Minor Course or Free Elective 3 hrs
- Supporting Upper-Division Elective 3 hrs
- Free Elective 3 hrs

Senior Year - Spring
- PAD 4204 Fiscal Management 3 hrs
- PAD Required Minor Course 3 hrs
- Supporting Upper-Division Elective 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Radio - Television (B.A.)

College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu/
Email: radiotv@ucf.edu
Stephanie Rice, Area Coordinator, stephanie.rice@ucf.edu
Nicholson Academic Student Services, nassc@ucf.edu
Phone: 407-823-2681

Admission Requirements
- The Radio-Television program is a limited access program that requires a separate application.
- Students should apply to become Radio-Television majors only after completing all requirements for admission.
- Attain an overall minimum 2.25/4.00 GPA based on a minimum of 30 credit hours of college work. Note: meeting the minimum GPA does not guarantee admission since students are admitted on a space available basis. The GPA cut-off varies each term with the quality of applicants, and during previous years, ranged upward from a minimum of 2.9.
- Receive a positive evaluation of other factors specified by the Nicholson School of Communication.
- See an NSC advisor for additional admission criteria.
- For admission to the program, students must complete or be enrolled into and complete, RTV 3007 with at least a "C" (2.0) or better (if in progress at the time of admission, students who do not earn a "C" (2.0) or better will be removed from the program).
- Meet a grammar proficiency standard ("B" (3.0) grades or better in the following courses or pass the grammar proficiency exam).
- ENC 1101 Composition I 3 hrs
- ENC 1102 Composition II 3 hrs

Application Deadlines:
- October 1 to be admitted the next spring term;
- February 1 to be admitted the next summer term;
- June 1 to be admitted the next fall term.

Degree Requirements
- Students must achieve a minimum cumulative GPA of 2.0 in all UCF Nicholson School of Communication (NSC) courses taken in the major.
- All attempts of UCF NSC courses that could meet major requirements are included in the major GPA calculation, including those taken beyond the minimum required (e.g. additional restricted electives).
- Students who change degree programs (other than from Radio-TV Pending) and select this major must adopt the most current catalog.
- Students may complete an internship off campus in a professional broadcast, production, or corporate operation with advisor’s approval.
- Internship credit may be used in this major with prior school permission.
- Co-op credit may be used in this major with prior approval from an R-TV advisor.
- Students must consult with a school advisor.
UCF Degree Programs

School residency requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Nicholson School of Communication.

Of the 120 hours required for graduation, 79 hours must be taken outside of the disciplines represented within the Nicholson School of Communication.

Of these 79 hours, 56 must be taken in the liberal arts (i.e. within the College of Arts & Humanities or the College of Sciences).

To ensure completion within 120 hours and to comply with the 79 hour rule, no more than 41 (or 43 if a GEP speech class was taken at UCF) of the 120 hours may be taken within the Nicholson School of Communication.

Radio-TV majors must select their required minor from outside the Nicholson School of Communication to remain below the 41 credit hour school maximum.

Students seeking to change tracks once accepted into the major, must re-apply to the R-TV major under the new, desired track.

A maximum of three credit hours of internship may be earned in one semester. Internship credit, plus all other hours taken within the school, must not exceed 41 hours.

To receive credit for an internship, students must have a 2.5 GPA in their required major courses. Students with less than a 2.5 GPA will not be given academic internship credit.

A maximum of three credit hours of internship may be earned within the 41 credit hour school maximum. A maximum of six credit hours of internship may be earned within the 120 credit hours required for graduation. Summer internships are available during “C” term only.

All prerequisites of courses taught within the College of Sciences will be enforced.

Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   - Required ENC 1101 Composition I 3 hrs
   - Required ENC 1102 Composition II 3 hrs
   Select 1: 3 hrs
   - Required SPC 1608 Fundamentals of Oral Communication or
   - Required SPC 1603C Fundamentals of Technical Presentations 3 hrs

   B: Cultural & Historical Foundations (9 hrs)
   - Prefer AMH 2010 U.S. History: 1492-1877 3 hrs
   - Select two courses from GEP B2 6 hrs

   C: Mathematical Foundations (6 hrs)
   - Math: 3 hrs
   - You may substitute a higher level math with appropriate scores on the Math Placement Test.
   - Suggested MGF 1106 Finite Mathematics or 3 hrs
   - Suggested MGF 1107 Explorations in Mathematics 3 hrs

   Computers - Statistics: 3 hrs
   Select 1: 3 hrs
   - CDS 1060C Introduction to Computers or 3 hrs
   - STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
   - STA 2014C Principles of Statistics or 3 hrs
   - STA 2023 Statistical Methods I 3 hrs

   D: Social Foundations (6 hrs)
   - Prefer POS 2041 American National Government 3 hrs
   - Select a listed course 3 hrs

   E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)
   - None
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements: Basic Level (12 hrs)
   - These courses may be taken before applying to the major.
   - Must earn at least a “C” (2.0) or better in each core requirement and restricted elective in the major.
   - MMC 3200 Mass Communication Law 3 hrs
   - RTV 3007 Development and Structure of Electronic Media and New Technology 3 hrs
   - RTV 3511 Production Fundamentals and Aesthetics of Electronic Media 3 hrs
   - RTV 4403 Electronic Media, Technology, and Society 3 hrs

Select 1:
   - SPC 1603C Fundamentals of Technical Presentations GEP
   - SPC 1608 Fundamentals of Oral Communication GEP

4. Core Requirements: Advanced Level (6 hrs)
   - These courses are only available to students who have been accepted into the major.
   - Reminder: must earn at least a “C” (2.0) for all core requirements and restricted electives in the major.
   - RTV 2100 Writing for the Electronic Media 3 hrs
   - MMC 3420 Mass Media Research Methods 3 hrs

5. Restricted Electives
   - Specialization: Select one area and complete the credit hours required by that specialization.
   - Must earn at least a “C” (2.0) or better in each core requirement and restricted elective in the major.

A. Production 19 hrs
   - Required:
     - RTV 4544 Advanced Studio Production 4 hrs
   - Select from the following: 15 hrs
     - RTV 3531C Single Camera Video Production and Editing or 4 hrs
     - RTV 3543C Studio Television Production or 4 hrs
     - RTV 3556C Audio Production I or 3 hrs
     - RTV 3571C Advanced Video Post-Production or 3 hrs
     - RTV 3581C Lighting for Video or 3 hrs
     - RTV 3590C Production of Interactive Multimedia or 3 hrs
     - RTV 4457C Audio Production II or 3 hrs
     - RTV 4561C Radio Production and Programming or 3 hrs
     - RTV 4591C Webcasting I or 3 hrs
     - RTV 4592C Webcasting II or 3 hrs
     - RTV 4673C Television Directing or 3 hrs
     - 1RTV 3942L Practicum or 1 hr
     - 1RTV 4941 Internship 1 hr

B. Broadcast Generalist 19 hrs
   - Select from the following: 13 hrs
     - ADV 4103 Radio-Television Advertising or 3 hrs
     - JOU 3015 Principles of Journalism or 3 hrs
     - COM 3330 Computer Mediated Communication or 3 hrs
     - MMC 4263 New Media Technologies or 3 hrs
     - RTV 3601C Broadcast Announcing and Performance or 3 hrs
     - RTV 3590C Production of Interactive Multimedia or 3 hrs
     - RTV 4505 Program Issues for TV & Motion Pictures or 3 hrs
     - RTV 4561C Radio Production and Programming or 3 hrs
     - RTV 4700 Regulation of Broadcasting or 3 hrs
     - RTV 4800 Broadcast Management or 3 hrs
     - 1RTV 4941 Internship 1 hr
     - 1RTV 4906 Directed Independent Study 1 hr

Select from the following: 6 hrs
   - ADV 3008 Principles of Advertising or 3 hrs
   - COM 3110 Business and Professional Communication or 3 hrs
   - MMC 3630 Social Media as Mass Communication or 3 hrs
   - PUR 4000 Public Relations or 3 hrs
   - RTV 4593 Sports Programming in Electronic Media 3 hrs

    - Select from the following: 6 hrs

   - May be taken for a maximum of 3 hours.

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   - Admissions
     - Met by graduation requirement.
UCF Degree Programs

Graduation
■ Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.
■ Eight credits of American Sign Language (ASL) can satisfy this requirement for students graduating under this catalog; however it will not count toward the 56 hour Liberal Arts requirement. Consult with the NSC advising staff to understand how choosing ASL impacts hours needed to graduate.

8. Electives
■ Select primarily from upper level courses, with school advisor's approval. Must be from outside of the school in order to not exceed the 41 credit hour cap. The majority of electives should be taken in the Liberal Arts to comply with the 56 hour Liberal Arts requirement.

9. Additional Requirements
■ None

10. Required Minors
■ Radio-Television majors must complete a minor of at least 18 hours in an academic area outside the Nicholson School of Communication.
■ The following minors are suggested to complement the R-TV major, but any minor except those in the Nicholson School of Communication, may be taken:
  ■ Digital Media
  ■ Film - Cinema Studies
  ■ English - Writing
  ■ Political Science
  ■ Sociology
  ■ Theatre

11. Departmental Exit Requirements
■ To avoid delaying graduation, you must request a review of requirements before registering for your last term.
■ Students must achieve a minimum cumulative GPA of 2.0 in all UCF Nicholson School of Communication (NSC) courses taken in the major.
■ All attempts of UCF NSC courses that could meet major requirements are included in the major GPA calculation, including those taken beyond the minimum required (e.g. additional restricted electives).

12. University Minimum Exit Requirements
■ A 2.0 UCF GPA
■ 60 semester hours earned after CLEP awarded
■ 48 semester hours of upper division credit completed
■ 30 of the last 39 hours of course work must be completed in residency at UCF.
■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
■ Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
■ 120

Honors In Major
■ None

Related Programs
■ Advertising-Public Relations
■ Digital Media
■ Digital Media - Web Design Track
■ Digital Media - Visual Language Track
■ Film
■ Journalism
■ Theatre

Certificates
■ None

Related Minors
■ NOTE: Minors taught within the Nicholson School of Communication are not open to R-TV majors.
■ Digital Media
■ Film - Cinema Studies

Marketing
■ Theatre

Advising Notes
■ None

Transfer Notes
■ Lower division courses do not substitute for upper division courses.
■ Courses transferred from private out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
■ None

Plan of Study
■ This is one of numerous possible plans of study. See program description for all requirements.
■ Consult a school advisor for alternate, new, or more appropriate selections.
■ Consult the school for detailed plans of study for each specialization.
■ Although most classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

Freshman Year - Fall
ENC 1101 Composition I 3 hrs
GEP-Math 3 hrs
GEP 3 hrs
Foreign Language 4 hrs

Freshman Year - Spring
ENC 1102 Composition II 3 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs
Foreign Language 4 hrs
GEP 3 hrs

Sophomore Year - Fall
GEP 3 hrs
GEP 3 hrs
GEP 3 hrs
GEP 3 hrs
Elective-Minor 3 hrs

Sophomore Year - Spring
Apply for admission by Feb 1
RTV 3007 Development and Structure of Electronic Media and New Technology 3 hrs
GEP 3 hrs
GEP 3 hrs
Elective-outside of NSC 3 hrs
Elective-minor 3 hrs

Junior Year - Fall
If admitted, take...
RTV 3511 Production Fundamentals and Aesthetics of Electronic Media 3 hrs
RTV 2100 Writing for the Electronic Media 3 hrs
MMC 3200 Mass Communication Law 3 hrs
Elective-minor 3 hrs
Elective-outside of NSC 3 hrs

Junior Year - Spring
RTV 4403 Electronic Media, Technology, and Society 3 hrs
MMC 3420 Mass Media Research Methods 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Elective-Minor 3 hrs

Junior Year - Summer
Restricted Elective Internship 3 hrs

Senior Year - Fall
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Elective-Minor 3 hrs
Elective-outside of NSC 3 hrs
Elective-outside of NSC 3 hrs
### Degree Programs

#### Real Estate (B.S.B.A.)

**College of Business Administration**

**Dr. P. Phillips School of Real Estate,**

**Business Administration I, Room: 427**

http://business.ucf.edu/undergraduate-programs

Phone: 407-823-3575

The study of real estate prepares students for careers in commercial & residential real estate development and sales. Not eligible for a double degree with another College of Business Administration major.

### Admission Requirements

- Completion of the UCF General Education program and Gordon Rule, or an AA degree from a Florida College System or State University System institution, and completion of each Common Program Prerequisite course with a "C" (2.0) or better.
- Completion of the following courses at UCF or at an AACSB accredited institution: ECO 3411, MAR 3023, FIN 3403, MAN 3025, and ACG 3173, with a GPA of "C" (2.0) or better. One course may be repeated one time in the next term of enrollment to meet these requirements.
- See Common Program Prerequisites.
- A student's academic catalog year guarantees their graduation requirements, but not their admission requirements. All pre-majors are held to the current admission standards. This applies to both native and transfer students.

### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students wanting to major in real estate must apply for admission to the major.
- Any student receiving a business degree must complete a minimum of 30 of the 58 upper level business hours for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- For students seeking a double major within the College of Business, a maximum of 6 hours of Required Courses for the Major or Restricted Electives may count towards another business major.
- A maximum of 6 hours of Core Requirements or Restricted Electives may count towards another degree program or minor.
- Students in the Real Estate major must maintain a 2.0 or higher cumulative Grade Point Average in all major courses taken at UCF and a 2.0 or higher cumulative GPA in all College of Business courses taken at UCF. Failure to maintain the required GPAs will result in the student being placed on Lack of Progress in the major and/or College. If a student on Lack of Progress fails to achieve the minimum required GPA in the subsequent term of enrollment, the student will be dismissed from the Real Estate major and/or College of Business. A student who is dismissed may seek consideration for re-admission into the College or major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving the required GPA. Readmission is not automatic or guaranteed and as an exception to College policy is rarely granted.

- Students majoring in Real Estate must earn a grade of "C" (2.0) or better in the following course and each course applied towards the major:
- FIN 3403 Business Finance 3 hrs

#### 1. UCF General Education Program (GEP) (36 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>A: Communication Foundations (9 hrs)</td>
<td>Prefer SPC 1608 Fundamentals of Oral Communication</td>
</tr>
<tr>
<td>B: Cultural &amp; Historical Foundations (9 hrs)</td>
<td>Required CGS 2100C Computer Fundamentals for Business</td>
</tr>
<tr>
<td>C: Mathematical Foundations (6 hrs)</td>
<td>Required MAC 1105C College Algebra</td>
</tr>
<tr>
<td>D: Social Foundations (6 hrs)</td>
<td>Required ECO 3103 Principles of Macroeconomics</td>
</tr>
<tr>
<td>E: Science Foundations (6 hrs)</td>
<td>Required ECO 3103 Principles of Microeconomics</td>
</tr>
<tr>
<td>Select 1: (3 hrs)</td>
<td>Required ECO 3103 Principles of Macroeconomics or</td>
</tr>
<tr>
<td>Select 2: (3 hrs)</td>
<td>Required STA 1603 Introduction to Sociology</td>
</tr>
</tbody>
</table>

#### 2. Common Program Prerequisites (CPP) (18 hrs)

- Must be completed with a "C" (2.0) or better. 
  
  - ACG 2021 Principles of Financial Accounting 3 hrs
  - ACG 2071 Principles of Managerial Accounting 3 hrs
  - ECO 2013 Principles of Macroeconomics 3 hrs
  - ECO 2023 Principles of Microeconomics 3 yrs
  - CGS 2100C Computer Fundamentals for Business 3 hrs

#### 3. Core Requirements: Basic Level (None)

#### 4. Core Requirements: Advanced Level (37 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>ACG 3173</td>
<td>Accounting for Decision-Makers 3 hrs</td>
</tr>
<tr>
<td>ECO 3411</td>
<td>Quantitative Business Tools II 3 hrs</td>
</tr>
<tr>
<td>FIN 3403</td>
<td>Business Finance 3 hrs</td>
</tr>
<tr>
<td>MAN 3025</td>
<td>Management of Organizations 3 hrs</td>
</tr>
<tr>
<td>MAR 3023</td>
<td>Marketing 3 hrs</td>
</tr>
</tbody>
</table>

#### Secondary Core (13 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEB 3003</td>
<td>Career Research &amp; Planning 1 hr</td>
</tr>
<tr>
<td>GEB 3005</td>
<td>Career Search Strategy 1 hr</td>
</tr>
<tr>
<td>BUL 3130</td>
<td>Legal and Ethical Environment of Business 3 hrs</td>
</tr>
<tr>
<td>GEB 3375</td>
<td>Introduction to International Business 3 hrs</td>
</tr>
<tr>
<td>MAR 3203</td>
<td>Supply Chain and Operations Management 3 hrs</td>
</tr>
<tr>
<td>GEB 4223</td>
<td>Business Interviewing Techniques 1 hr</td>
</tr>
<tr>
<td>GEB 4004</td>
<td>Executing Your Career Plan 1 hr</td>
</tr>
</tbody>
</table>

#### Required Courses for Major (9 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIN 2100</td>
<td>Personal Finance and Investments 3 hrs</td>
</tr>
<tr>
<td>REE 3043</td>
<td>Fundamentals of Real Estate 3 hrs</td>
</tr>
<tr>
<td>REE 3433</td>
<td>Real Estate Law 3 hrs</td>
</tr>
</tbody>
</table>
5. Restricted Electives (18 hrs)

Select 5:

1. FIN 3414 Intermediate Corporate Finance 3 hrs
2. FIN 4243 Debit and Money Markets 3 hrs
3. FIN 4504 Equity and Capital Markets 3 hrs
4. MAR 3391 Professional Selling 3 hrs
5. REE 3614 Environmental Issues for Real Estate 3 hrs
6. REE 4103 Real Estate Appraisal and Valuation 3 hrs
7. REE 4203 Commercial Real Estate Finance 3 hrs
8. REE 4204 Residential Real Estate Finance 3 hrs
9. REE 4303 Real Estate Investment Analysis 3 hrs
10. REE 4732 Real Estate Development 3 hrs
11. REE 4941 Internship 1 hr
12. REE 4903H Honors Directed Readings I 1 hr
13. REE 4970H Undergraduate Honors Thesis 1 hr
14. REE 4933 Advanced Topics in Real Estate 3 hrs
15. REE 4312 Real Estate Market Analysis 3 hrs

1. Restricted to students who meet finance major admission qualifications.
2. Internship course requires an overall GPA of 2.75 and a 3.0 GPA in the major.

Business Elective 3 hrs
Choose any upper level business course 3 hrs

6. Capstone Requirements (3 hrs)

- Admitted to a Business major, senior standing, and completion of MAN 3025, MAR 3023, FIN 3403, ECO 3411, and ACG 3173 or ACG 3131 are required to register for MAN 4720.
- MAN 4720 Strategic Management 3 hrs

7. Foreign Language Requirements

Admissions
- Two years of one foreign language in high school, or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- Variable

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements

- A minimum major GPA of 2.0 and a minimum College of Business GPA of 2.0.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major

Eligibility: Requirements for admission to the Honors in the Major program are: completion of at least 60 credit hours, completion of at least 12 upper division hours, at least a 3.5 GPA in the major, at least a 3.2 upper-division GPA, and at least two semesters remaining prior to graduation.

Admission: Application for admission to the Honors in the Major program must be approved by both the Director of the Dr. Phillips School of Real Estate and Associate Dean of the Honors College plus the payment of $25.00 one-time membership dues.

Requirements: Students accepted into the Honors in the Major program must complete two honors courses (total of 6 credit hours) as follows:
University of Central Florida

Sophomore Year - Spring 15 hrs
ACG 2071 Principles of Managerial Accounting 3 hrs
ECO 3401 Quantitative Business Tools I 3 hrs
CSG 2100C Computer Fundamentals for Business 3 hrs
Business Foundation II 3 hrs
Junior Year - Spring 16 hrs
ACG 3173 Accounting for Decision-Makers 3 hrs
ECO 3411 Quantitative Business Tools II 3 hrs
MAN 3025 Management of Organizations 3 hrs
MAR 3023 Marketing 3 hrs
FIN 3403 Business Finance 3 hrs
GEB 3003 Career Research & Planning 1 hr
Senior Year - Fall 15 hrs
GEB 3375 Introduction to International Business 3 hrs
REE 3043 Fundamentals of Real Estate 3 hrs
REE 3433 Real Estate Law 3 hrs
FIN 2100 Personal Finance and Investments 3 hrs
GEB 3005 Career Search Strategy 1 hr
Junior Year - Spring 15 hrs
GEB 3375 Introduction to International Business 3 hrs
REE 3043 Fundamentals of Real Estate 3 hrs
REE 3433 Real Estate Law 3 hrs
FIN 2100 Personal Finance and Investments 3 hrs
GEB 3005 Career Search Strategy 1 hr
Senior Year - Fall 15 hrs
BUL 3130 Legal and Ethical Environment of Business 3 hrs
GEB 4223 Business Interviewing Techniques 1 hr
REE Elective 3 hrs
REE Elective 3 hrs
Business Elective 3 hrs
Senior Year - Spring 13 hrs
MAN 4720 Strategic Management 3 hrs
MAR 3203 Supply Chain and Operations Management 3 hrs
GEB 4004 Executing Your Career Plan 1 hr
REE Elective 3 hrs
REE Elective 3 hrs
Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $25.00 per term
- Full-Time Student: $50.00 per term

Religion and Cultural Studies (B.A.)
College of Arts and Humanities
Department of Philosophy,
Psychology Building, Room: 220
http://philosophy.cah.ucf.edu/
Email: philosophy2@ucf.edu
Phone: 407-823-2273

Religion and Cultural Studies is a BA program designed to familiarize students with religious traditions around the world, from ancient through contemporary cultures, as well as to introduce students to critical theories and methods through which to view and analyze the category of religion and its associated concepts, practices, and meanings in all areas of life. The program emphasizes the academic study of religion, and does not privilege any particular tradition or belief. This program can be completed online, although not every course in each category is offered as an online course.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in this major without prior approval by the chair.
- Students must earn at least a “C” (2.0) in each required course.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Philosophy Department.

Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- No more than 3 courses (i.e., 9 credit hours) of 3000 or 4000 level courses applied to the B.A. in Religion and Cultural Studies may be simultaneously applied to fulfill another major.

1. UCF General Education Program (GEP) (36 hrs)
A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
Required REL 2300 World Religions 3 hrs
Select 1: PHI 2010 Introduction to Philosophy or 3 hrs
HUM 2020 Encountering the Humanities 3 hrs
Select 1: HUM 2210 Humanistic Tradition I or 3 hrs
HUM 2230 Humanistic Tradition II 3 hrs
C: Mathematical Foundations (6 hrs)
Math 6 hrs
Select a course from GEP C.2 list 3 hrs
D: Social Foundations (6 hrs)
Suggested AMH 2020 U.S. History: 1877-Present 3 hrs
E: Science Foundations (6 hrs)
2. Common Program Prerequisites (CPP)
- None

3. Core Requirements: Basic Level
REL 2300 World Religions GEP
Select 1: PHI 2010 Introduction to Philosophy or 3 hrs
HUM 2020 Encountering the Humanities GEP
Select 1: HUM 2210 Humanistic Tradition I or 3 hrs
HUM 2230 Humanistic Tradition II GEP
Studying Religion and Culture 3 hrs
REL 2300 Introduction to Religion and Cultural Studies 3 hrs

4. Core Requirements: Advanced Level (27 hrs)
A: Traditions 12 hrs
- Must select at least one course in each category from the Philosophy Department
Abrahamic Traditions 3 hrs
REL 3403 Christianity or 3 hrs
REL 3363 Islam or 3 hrs
REL 3320 Moses, Jesus and Muhammad or 3 hrs
REL 3432 Roots of Western Mysticism or 3 hrs
JST 3401 Jewish People in Antiquity 3 hrs
Asian and Indigenous Traditions 3 hrs
REL 3340 Buddhism or 3 hrs
REL 3333 Hinduism or 3 hrs
REL 3123 Asian Religions in America or 3 hrs
ANT 3245 Native American Religions 3 hrs

B: Theories and Methods 6 hrs
- Must select one in each category
Religion 3 hrs
REL 4157 Religion and Psychoanalysis or 3 hrs
PHI 3700 Philosophy of Religion or 3 hrs
PHI 3720 Faith and Reason or 3 hrs
REL 4936 Key Figures in Religion and Cultural Studies or 3 hrs
REL 4496 Key Concepts in Religion and Cultural Studies 3 hrs
Cultural Studies 3 hrs  
HUM 3805 Critical Theory in the Humanities or 3 hrs  
HUM 3328 Theories of Sex and Gender in Humanities or 3 hrs  
HUM 4459 American Cultural Studies in Humanities or 3 hrs  
HUM 4823 Queer Theory in the Humanities or 3 hrs  
HUM 4826 Postcolonial Theory or 3 hrs  
PHI 3600 Contemporary Philosophy or 3 hrs  
PHI 4804 Critical Theory 3 hrs  

C. Religion in Culture 9 hrs  
- Must select three from the following with at least one from the Philosophy Department:  
  REL 3101 Religion in Popular Culture 3 hrs  
  REL 3111 Religion and Philosophy Through Film 3 hrs  
  REL 3115 Religion, Spirituality, and Popular Music 3 hrs  
  REL 3130 Religion in America 3 hrs  
  REL 4110 Religion and the Arts 3 hrs  
  REL 4160 Religion and Medicine 3 hrs  
  REL 4178 Religion and Law 3 hrs  
  PHI 3033 Philosophy, Religion, and the Environment 3 hrs  
  ANT 3241 Magic, Ritual, and Belief 3 hrs  
  POT 4632 Religion and Politics 3 hrs  
  SYO 4200 Religion in Society 3 hrs  

5. Restricted Electives (3 hrs)  
- Any course from Traditions, Theories and Methods, or Religion in Culture not being used to satisfy those categories can be used here.  
- Note: Related courses may be substituted with consent of Religion and Cultural Studies adviser.  

6. Capstone Requirements  
REL 4910 Senior Research Seminar 3 hrs  

7. Foreign Language Requirements  
Admissions  
- Met by graduation requirement  
Graduation  
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. Majors who are contemplating graduate school should complete two years of a foreign language, preferably one functional in their area of proposed graduate interest.  

8. Electives  
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.  

9. Additional Requirements  
- None  

10. Required Minors  
- None  

11. Departmental Exit Requirements  
- Earn a “C” (2.0) or better in each required course.  
- To avoid delaying graduation, you must request a review of requirements prior to registering for your last term.  
- Computer Competency met by one of the following:  
  REL 4970H Undergraduate Honors Thesis 3 hrs  
  REL 4910 Senior Research Seminar 3 hrs  
  STA 1063C Basic Statistics Using Microsoft Excel 3 hrs  

12. University Minimum Exit Requirements  
- A 2.0 UCF GPA  
- 60 semester hours earned after CLEP awarded  
- 48 semester hours of upper division credit completed  
- 30 of the last 39 hours of course work must be completed in residency at UCF.  
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.  
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.  

Total Semester Hours Required 120  

Honors In Major  
- Students considering graduate school in Religion and Cultural Studies are strongly encouraged to take Honors in the Major.  
- Requirements are as follows:  
  Core, Elective Requirements, and Senior Seminar 36 hrs  
  - Same requirement as for regular majors  

Honors Thesis 6 hrs  
REL 4903H Honors Directed Readings I 3 hrs  
REL 4970H Undergraduate Honors Thesis 3 hrs  

Additional Requirements  
- Application and admission through the Humanities Honors Coordinator and the Burnett Honors College.  
- Fulfill University requirements for Honors in the Major.  
- Maintain a UCF GPA of at least 3.2 and a Religion and Cultural Studies GPA of at least 3.5.  
- Successful completion and oral defense of Honors Thesis.  
- Earn a “B” (3.0) or better in both of the following:  
  REL 4903H Honors Directed Readings I 3 hrs  
  REL 4970H Undergraduate Honors Thesis 3 hrs  

Related Programs  
- Interdisciplinary Studies  
- Philosophy  
- Humanities and Cultural Studies  

Certificates  
- None  

Related Minors  
- Humanities and Cultural Studies  
- Judaic Studies  
- Philosophy  

Advising Notes  
- None  

Transfer Notes  
- Lower division courses do not substitute for upper division courses.  
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.  

Acceptable Substitutes for Transfer Courses  
- None  

Plan of Study  
Freshman Year - Fall 16 hrs  
ENC 1101 Composition I 3 hrs  
HUM 2210 Humanistic Tradition I 3 hrs  
MGF 1106 Finite Mathematics 3 hrs  
REL 2300 World Religions 3 hrs  
SPN 1120C Elementary Spanish Language and Civilization I 4 hrs  

Freshman Year - Spring 16 hrs  
ENC 1102 Composition II 3 hrs  
HUM 2230 Humanistic Tradition II 3 hrs  
STA 1063C Basic Statistics Using Microsoft Excel 3 hrs  
Restricted Elective 3 hrs  
SPN 1121C Elementary Spanish Language and Civilization II 4 hrs  

Sophomore Year - Fall 15 hrs  
GEP 3 hrs  
GEP 3 hrs  
GEP 3 hrs  
Restricted Elective 3 hrs  
REL 2000 Introduction to Religion and Cultural Studies 3 hrs  

Sophomore Year - Spring 15 hrs  
GEP 3 hrs  
GEP 3 hrs  
Restricted Elective 3 hrs  
Restricted Elective 3 hrs  

UNIVERSITY OF CENTRAL FLORIDA  
308 Undergraduate Catalog 2016-2017
### UCF Degree Programs

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### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oes.ucf.edu/alc/academic_learning_compacts.htm](http://www.oes.ucf.edu/alc/academic_learning_compacts.htm)

### Restaurant and Foodservice Management (B.S.)

**Rosen College of Hospitality Management**  
**Department of Foodservices and Lodging Management**, 9907 Universal Boulevard, Orlando, FL 32819  
[http://www.hospitality.ucf.edu](http://www.hospitality.ucf.edu)  
**Email:** hospitality@mail.ucf.edu  
Dr. Joe Hutchinson, Department Chair  
Dr. Abraham Pizam, Dean  
Phone: 407-903-8000

#### Admission Requirements
- **None**

#### Degree Requirements
- **None**
  - Students must earn a 2.0 overall GPA in course work taken within the Rosen College of Hospitality Management, and a minimum 2.0 GPA in all courses listed in the common program prerequisites, the basic and advanced core courses, and the restricted electives.
  - Students must earn a “C” (2.0) or better in each course listed in the common program prerequisites, the basic and advanced cores, and the restricted electives.

1. **UCF General Education Program (GEP)** *(36 hrs)*
   - **A: Communication Foundations** *(9 hrs)*
   - **B: Cultural & Historical Foundations** *(9 hrs)*
   - **C: Mathematical Foundations** *(6 hrs)*
     - Required: MAC 1105C College Algebra *(3 hrs)*
   - **Select 1:** *(3 hrs)*
     - Required: CGS 2100C Computer Fundamentals for Business or STA 2023 Statistical Methods I *(3 hrs)*
   - **D: Social Foundations** *(6 hrs)*
     - **Select 1:** *(3 hrs)*
       - Required: ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics *(3 hrs)*
   - **Select 1:** *(3 hrs)*
     - Required: PSY 2012 General Psychology or SYG 2000 Introduction to Sociology or ANT 2000 General Anthropology *(3 hrs)*

2. **Common Program Prerequisites (CPP)** *(7 hrs)*
   - **E: Science Foundations** *(6 hrs)*

3. **Core Requirements: Basic Level**
   - **Select 1:** *(3 hrs)*
     - CGS 2100C Computer Fundamentals for Business or STA 2023 Statistical Methods I *(3 hrs)*
   - **Select 1:** *(3 hrs)*
     - ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics *(3 hrs)*

4. **Core Requirements: Advanced Level** *(51 hrs)*
   - **Hospitality Core Requirements** *(30 hrs)*
   - **Select 5:** *(15 hrs)*
     - FSS 3008 Culture and Cuisine or FSS 4135 Corporate Contract and Managed Services Organizations or FSS 4296C Catering and Banquet Organization or HFT 3654 Hospitality Franchising or HFT 3868 History and Culture of Wine or HFT 4065 Fine Spirits Management or HFT 4266 Hospitality Brand Management or HFT 4281 Restaurant Leadership Strategies and Tactics or HFT 4343 Hospitality Facilities Management or HFT 4457 Food, Beverage, and Labor Cost Controls or HFT 4861 Beverage Management or HFT 4863H Foodservice Marketing, Sales, and Distribution or HFT 4941 Internship II or HFT 4944 Internship III or FSS 4286F Exploring Wines of the World or FSS 4343 Hospitality Facilities Management or HFT 4861 Beverage Management or HFT 4866 Case Studies in Restaurant Management or FSS 4892 International Gastronomy or HFT 4944 Internship III or FSS 4135 Corporate Contract and Managed Services Organizations or HFT 4286F Exploring Wines of the World or HFT 4457 Food, Beverage, and Labor Cost Controls or HFT 4866 Case Studies in Restaurant Management or FSS 4892 International Gastronomy or HUN 3013 Nutrition Concepts and Issues in the Food Service Industry

5. **Restricted Electives** *(15 hrs)*

6. **Capstone Requirements**
- **None**

7. **Foreign Language Requirements**

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**Admissions**
- **State University System foreign language admission requirement:** two years in high school or one year in college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

**Graduation**
- **None**
8. Electives
- 3-11 hours as necessary to result in 120 total credit hours.

9. Additional Requirements
- Final exams will be given during Exam Week only.
- Transfer students to this program must take a minimum of thirty (30) credit hours in Hospitality Management classes at UCF.

10. Required Minors
- None

11. Departmental Exit Requirements
- None

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 80 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- Students must earn a “C” (2.0) or better in each course listed in the common program prerequisites, the basic and advised cores, and the restricted electives.

Transfer Notes
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in UCF’s Rosen College of Hospitality Management.
- A minimum of 30 semester hours must be completed at UCF within the Rosen College of Hospitality Management.
- Orientation and advising are two if the most valuable tools that a student can make use of when transferring to UCF. Students should take advantage of both.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- Plan your required nine summer credit hours into your course of study.

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs
- MAC 1105C College Algebra 3 hrs
- CulH Hist. Foundations I 3 hrs
- Select 1: 3 hrs
- PSY 2012 General Psychology or 3 hrs
- SYG 2000 Introduction to Sociology or 3 hrs
- ANT 2000 General Anthropology 3 hrs
- Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- FSS 2221C Techniques of Food Preparation 4 hrs
- CulH Hist. Foundations II 3 hrs
- Select 1: 3 hrs
- GCS 1060C Introduction to Computers or 3 hrs
- STA 2023 Statistical Methods I 3 hrs

Sophomore Year - Fall
- HFT 2220 Hospitality Human Resources Management 3 hrs
- Science Foundations I 3 hrs
- Free Electives 5 hrs
- Select 1: 3 hrs
- ECO 2013 Principles of Macroeconomics or 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs

Sophomore Year - Spring
- HFT 2500 Hospitality and Tourism Marketing 3 hrs
- HFT 2401 Hospitality Industry Financial Accounting 3 hrs
- Science Foundations II 3 hrs
- CulH Hist. Foundations III 3 hrs
- Free Elective 3 hrs

Junior Year - Fall
- HFT 3431 Hospitality Industry Managerial Accounting 3 hrs
- HFT 3540 Guest Services Management I 3 hrs
- FSS 3124 Supply and Procurement Management 3 hrs
- HFT 2254 Lodging Operations 3 hrs
- HFT 3263 Restaurant Management 3 hrs
- HFT 3940 Internship I 1 hr

Junior Year - Spring
- HFT 3603 Legal Environment in the Hospitality and Tourism Industry 3 hrs
- HFT 3813 Foodservice Marketing, Sales, and Distribution 3 hrs
- HFT 4457 Food, Beverage, and Labor Cost Controls 3 hrs
- HFT 3444 Hospitality Information Systems 3 hrs
- HFT 4941 Internship II 1 hr
- Restaurant Restricted Elective 3 hrs

Senior Year - Fall
- HFT 4464 Hospitality Industry Finance 3 hrs
- HFT 4286 Hospitality Communications 3 hrs
- HFT 4861 Beverage Management 3 hrs
- HFT 4944 Internship III 1 hr
- Restaurant Restricted Elective 3 hrs

Senior Year - Spring
- HFT 4295 Leadership and Strategic Management in Hospitality Industry 3 hrs
- Restaurant Restricted Electives 9 hrs
- Free Elective 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $37.50 per term
- Full-Time Student: $75 per term

Science Education - Biology (B.S.)
College of Education and Human Performance
School of Teaching, Learning, and Leadership, Education Building, Room: 209
http://education.ucf.edu/science/

Dr. Malcolm Butler, ED 322T, malcolm.butler@ucf.edu, 407-823-3272
Dr. Janet Andreasen, ED123Q, janet.andreasen@ucf.edu

The Science Education - Biology B.S. program offers students the option of two tracks: Science Education- Biology Track and Science Education - Biology Lifelong Learning Track (non-certification). The Education Track is appropriate for students interested in opportunities for employment with formal K-12 schools that require certification. The Lifelong Learning Track is appropriate for students seeking opportunities for employment outside of formal K-12 schools that do not require certification.

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from a Florida College System or State University System institution.
1. UCF General Education Program (GEP) (38 hrs)
   - Note: Students are advised to take the preferred courses.
   - The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
   - The Education Track is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

   A: Communication Foundations (9 hrs)
   - Required ENC 1101 Composition I 3 hrs
   - Required ENC 1102 Composition II 3 hrs
   - Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

   B: Cultural & Historical Foundations (9 hrs)
   - General Education Program elective from section B1 to meet Gordon Rule Requirement
     - Select 1:
       - Prefer MUL 2010 Enjoyment of Music or 3 hrs
       - Prefer THE 2000 Theatre Survey or 3 hrs
       - Prefer PHI 2100 Introduction to Philosophy 3 hrs
       - General Education Program elective: Prefer a second course from GEP section B1

   C: Mathematical Foundations (7 hrs)
   - Required MAC 2311C Calculus with Analytic Geometry I 4 hrs

   Select 1:
   - Prefer STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
   - Prefer STA 2014C Principles of Statistics 3 hrs

   D: Social Foundations (6 hrs)
   - Prefer POS 2041 American National Government 3 hrs
   - Prefer PSY 2122 General Psychology 3 hrs

   E: Science Foundations (7 hrs)
   - Required PSC 1121 Physical Science 3 hrs
   - Required BSC 2010C Biology I 4 hrs
   - A grade of “C-“(1.75) is required.

2. Common Program Prerequisites (CPP) (21 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   - If 2085 Introduction to Diversity for Educators 3 hrs
   - EME 4040 Introduction to Technology for Educators 3 hrs
   - BSC 2010C Biology I 3 hrs
   - MAC 2311C Calculus with Analytic Geometry I 3 hrs
   - BSC 2011C Biology II 4 hrs
   - CHM 245C Chemistry Fundamentals I 3 hrs
   - CHM 245L Chemistry Fundamentals Laboratory 1 hr
   - CHM 246C Chemistry Fundamentals II 3 hrs
   - CHM 246L Chemistry Fundamentals Laboratory 1 hr
   - A minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

3. Core Requirements: Basic Level (3 hrs)
   - Education Track requires 3 semester hours
   - Lifelong Learning Track requires 6 semester hours
   - Transfer Notes: Courses taken at Florida College System institutions may substitute for select courses in this section with the permission of the department.
   - Students should consult with advisor regarding course options

   Education Track 3 hrs
   - EDF 2130 Child and Adolescent Development for Educators 3 hrs

   Lifelong Learning Track 6 hrs
   - MHS 2330 Career Planning 3 hrs

   Select 1:
   - EDF 2130 Child and Adolescent Development for Educators 3 hrs
   - EDP 2270 Adult Development & Learning 3 hrs

4. Core Requirements: Advanced Level (55 hrs)
   - Education Track requires 58 semester hours
   - Lifelong Learning Track requires 55 semester hours

   Education Core Requirements 18 hrs
   - Education Track requires 18 semester hours of Education Core Requirements
   - Lifelong Learning Track requires 21 semester hours of Education Core Requirements

   Education Track Core Requirements
   - EDF 4467 Learning Theory and Assessment 3 hrs
   - EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
   - 1 EDF 4410 Teaching Strategies and Classroom Management 3 hrs
   - EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
   - RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
   - 1 TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

   Lifelong Learning Track
   - SCE 4361 Programs in Teaching Science 3 hrs
   - 1 Prerequisite to Internship I

   Education Track Specialization Requirements 21 hrs
   - CHM 2046 Chemistry Fundamentals II 5 hrs
   - CHM 2048L Chemistry Fundamentals Laboratory 5 hrs
   - EDF 4604 Principles of Ecology 3 hrs
   - EDF 4604L Principles of Ecology Laboratory 1 hr
   - MCB 3020C General Microbiology 5 hrs
   - SCE 4361 Programs in Teaching Science 3 hrs

   Select 1:
   - PCB 3703C Human Physiology or 4 hrs
   - ZOO 3733C Human Anatomy or 4 hrs
   - PCB 3063 Genetics & PCB 3063L Genetics Lab 4 hrs

   Internship I Block 7 hrs
   - Program Internship I Prerequisites: EDF 4410, TSL 4080 and at least 50% of all required biology courses must be completed prior to Internship I with a minimum grade of a “C-“ (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
   - Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
   - Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDF 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading in Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.
UCF Degree Programs

- Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/

Internship II Block 12 hrs
- At least 80% of all required biology courses and all methods courses must be completed with a letter grade of "C-" (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization, and overall for admission to Internship II.
- Passing scores on all sections [General Knowledge, Professional, and Subject Area (Biology 6-12)] of the Florida Teacher Certification Examination (FTCE) are required prior to entry into Internship II.
- Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/
- Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education Rule 6A-5.066.
- SCE 4941 Internship 9 hrs
- ESE 4033C Critical Issues and Trends in Secondary Education 3 hrs

Lifelong Learning Track Specialization 34 hrs
- Select preferred specialization courses with advisor approval. A minimum of nine (9) hours must be taken in the content area. Substitutions are allowed with advisor approval.
- A grade of "C-" (1.75) or better is required.
- Must have a total of 48 or more hours of upper level courses to graduate.
- PCB 3044 Principles of Ecology 3 hrs
- PCB 3044L Principles of Ecology Laboratory 1 hr
- MCB 3020C General Microbiology 5 hrs
- PCB 3703C Human Physiology 4 hrs
- ZOO 3733C Human Anatomy 4 hrs
- PCB 3063 Genetics 3 hrs
- PCB 3083L Genetics Laboratory 1 hr
- EDG 4941 Directed Field Experience 1 hr
- EDG 4948 Service Learning 3 hrs
- DIG 3525 Digital Media Production I 3 hrs
- DIG 2000 Introduction to Digital Media 3 hrs
- DIG 2030 Digital Video Fundamentals 3 hrs
- DIG 2109 Digital Imaging Fundamentals 3 hrs
- DIG 2500 Fundamentals of Interactive Design 3 hrs
- DIG 3811 User-Centered Design 3 hrs
- DEP 2004 Developmental Psychology 3 hrs
- DEP 3202 Psychology of Exceptional Children 3 hrs
- DEP 3464 Psychology of Aging 3 hrs
- EXP 3604 Cognitive Psychology 4 hrs
- EXP 3250 Principles of Human Factors Psychology 3 hrs
- EAB 3703 Principles of Behavior Modification 4 hrs
- MAN 3025 Management of Organizations 3 hrs
- MAN 4101 Human Relations in Management 3 hrs
- MAR 3023 Marketing 3 hrs
- HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs
- HFT 2750 The Event Industry 3 hrs
- ECT 4184 Curriculum Development Techniques for Industry Training 3 hrs
- HFT 3798 Fairs and Festivals 3 hrs
- HFT 4754 Exhibit and Trade Show Operations 3 hrs
- SCE 4380 Science Instructional Analysis 4 hrs

5. Restricted Electives
- None

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Achieve a minimum 2.5 GPA in all courses within the major.
- In courses throughout the program, you must upload key assignments into your LiveText Dashboard. These key assignments are then assessed by faculty. The resulting data provides evidence of your demonstrated professional growth, reflection, and proficiency in all Florida Educator Accomplished Practices. All teacher education candidates, lifelong learning majors and early childhood and development and education majors (all ECDE tracks) are required to complete all LiveText requirements in order to be cleared for graduation. http://livetext.education.ucf.edu/

Education Track
- Pass all applicable sections of the Florida Teacher Certification Examination. See http://www.fldoe.org for test dates and test sites. Effective January 1, 2015, only examination results earned by educators within 10 years prior to the date of application for a new Florida Educator’s Certificate with the Florida Department of Education may be acceptable for certification eligibility requirements (SBE Rule 6A-4.002).

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (120 hrs)
- Recommended Four Year Sequence of Courses

Freshman Year - Fall
- GEP B1 Elective 3 hrs
- ENC 1101 Composition I 3 hrs
- PSY 2012 General Psychology 3 hrs

Select 1:
- STA 2014C Principles of Statistics or 3 hrs
- STA 1063C Basic Statistics Using Microsoft Excel 3 hrs

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Freshman Year - Spring  
- GEP B3 Elective (Preferred course from section B1) 3 hrs  
- ENC 1102 Composition II 3 hrs  
- PSC 1121 Physical Science 3 hrs  
- SPC 1608 Fundamentals of Oral Communication 3 hrs  
- Select 1:  
  - MUL 2101 Enjoyment of Music or 3 hrs  
  - THE 2000 Theatre Survey or 3 hrs  
  - PHI 2101 Introduction to Philosophy 3 hrs  
Freshman Year - Summer  
- POS 2041 American National Government 3 hrs  
Education Track  
- EDF 2130 Child and Adolescent Development for Educators 3 hrs  
Lifelong Learning Track  
- Select 1:  
  - EDF 2130 Child and Adolescent Development for Educators or 3 hrs  
  - EDF 2270 Adult Development & Learning 3 hrs  
Sophomore Year - Fall  
- BSC 2010C Biology I 4 hrs  
- CHM 2045C Chemistry Fundamentals I 4 hrs  
- MAC 2311 Calculus with Analytic Geometry I 4 hrs  
- EDF 2005 Introduction to the Teaching Profession 3 hrs  
Sophomore Year - Spring  
- BSC 2011C Biology II 4 hrs  
- EDF 2085 Introduction to Diversity for Educators 3 hrs  
- EME 2040 Introduction to Technology for Educators 3 hrs  
- CHM 2046 Chemistry Fundamentals II 3 hrs  
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr  
Sophomore Year - Summer  
- TSL 4080 Theory and Practice of Teaching ESOL 3 hrs  
  Students in Schools  
Junior Year - Fall  
- EDF 4467 Learning Theory and Assessment 3 hrs  
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs  
Education Track  
- PCB 3044 Principles of Ecology and 3 hrs  
- PCB 3044L Principles of Ecology Laboratory 1 hr  
Select one of the following sequences of courses:  
- PCB 3063 Genetics and 3 hrs  
  PCB 3063L Genetics Laboratory 1 hr  
  or  
  PCB 3703C Human Physiology 4 hrs  
  or  
  ZOO 3733C Human Anatomy 4 hrs  
Lifelong Learning Track  
- Choose Lifelong Learning Specialization courses 8 hrs  
Junior Year - Spring  
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs  
Education Track  
- MCB 3020C General Microbiology and 5 hrs  
- CHM 2205 Introduction to Organic and Biochemistry 5 hrs  
Lifelong Learning Track  
- MHS 2330 Career Planning and 3 hrs  
  Choose Lifelong Learning Specialization courses 7 hrs  
Junior Year - Summer  
- SCE 4361 Programs in Teaching Science 3 hrs  
Senior Year - Fall  
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs  
- EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs  
Education Track  
- SCE 4360 Science Instructional Analysis and 4 hrs  
- SCE 3940 Internship 3 hrs  
Lifelong Learning Track  
- Choose Lifelong Learning Specialization courses 7 hrs  
Senior Year - Spring  
- SCE 4941 Internship and 9 hrs  
  ESE 4033C Critical Issues and Trends in Secondary Education 3 hrs  
Lifelong Learning Track  
- Choose Lifelong Learning Specialization courses 12 hrs  
Program Academic Learning Compacts  
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:  
  http://www.oaeas.ucf.edu/alc/academic_learning_compacts.htm  
Equipment Fees  
- Part-Time Student: $12 per term  
- Full-Time Student: $24 per term  
Science Education - Chemistry (B.S.)  
College of Education and Human Performance  
School of Teaching, Learning, and Leadership,  
Education Building, Room: 209  
http://education.ucf.edu/science/  
Dr. Malcolm Butler, ED 322T, malcolm.butler@ucf.edu, 407-823-3272  
Dr. Janet Andreasen, ED 123Q, Janet.Andreasen@ucf.edu  
The Science Education Chemistry B.S program offers students the option of two tracks: Science Education - Chemistry Track and Science Education - Chemistry Lifelong Learning Track (non-certification). The Education Track is appropriate for students interested in opportunities for employment with formal, 6-12 schools that require certification. The Lifelong Learning Track is appropriate for students seeking opportunities for employment outside formal, K-12 schools that do not require certification.  
Admission Requirements  
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from a Florida College System or State University System institution.  
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of "C-" (1.75) or better.  
- Meet the Gordon Rule Requirement.  
- Meet Foreign Language Admission Requirement.  
- Have a minimum 2.5 overall GPA  
- Education Track: Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted). The Lifelong Learning Tack is a non-certification program and does not require the General Knowledge Test.  
Degree Requirements  
- Students should see an advisor prior to registering for classes  
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses  
- The Education Track is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.
UCF Degree Programs

1. UCF General Education Program (GEP) (37 hrs)
   • Note: Students are advised to take the preferred courses.

A: Communication Foundations (9 hrs)
   Required ENC 1101 Composition I 3 hrs
   Required ENC 1102 Composition II 3 hrs
   Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
   General Education Program elective from section B1 to meet Gordon Rule Requirement 3 hrs
   Select 1:
   Prefer MUL 2010 Enjoyment of Music or 3 hrs
   Prefer THE 2000 Theatre Survey or 3 hrs
   Prefer PHI 2010 Introduction to Philosophy 3 hrs
   General Education Program elective: Prefer a second course from GEP section B1

C: Mathematical Foundations (6 hrs)
   Required MAC 1144 College Trigonometry 3 hrs
   Select 1:
   Prefer STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
   Prefer STA 2014C Principles of Statistics 3 hrs

D: Social Foundations (6 hrs)
   Prefer POS 2041 American National Government 3 hrs
   Prefer PSY 2012 General Psychology 3 hrs

E: Science Foundations (7 hrs)
   Required PSC 1121L Physical Science Lab 1 hr
   Required PSC 1121 Physical Science 3 hrs
   1 Required BSC 2010C Biology I 4 hrs
   1 Required PSC 1121 Physical Science 3 hrs

   A grade of “C-” (1.75) or better is required.

2. Common Program Prerequisites (CPP) (21 hrs)
   • See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   EDF 2005 Introduction to the Teaching Profession 3 hrs
   1 EDF 2085 Introduction to Diversity for Educators 3 hrs
   EME 2040 Introduction to Technology for Educators 3 hrs
   CHM 2045C Chemistry Fundamentals I 4 hrs
   CHM 2046 Chemistry Fundamentals II 3 hrs
   CHM 2046L Chemistry Fundamentals Laboratory 1 hr
   PHY 2053C College Physics I 4 hrs

   1 In addition, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

3. Core Requirements: Basic Level (4 hrs)
   • Education Track requires 4 semester hours
   • Lifelong Learning Track requires 7 semester hours
   • Transfer Notes: Courses taken at Florida College

   System institutions may substitute for select courses in this section with the permission of the department.
   CHM 2045C Chemistry Fundamentals I CPP
   PSC 1121 Physical Science GEP
   PSC 1121L Physical Science Lab 1 hr
   BSC 2010C Biology I GEP
   MAC 1144C College Trigonometry GEP

   Education Track
   EDF 2130 Child and Adolescent Development for Educators 3 hrs

   Lifelong Learning Track
   MHS 2330 Career Planning 3 hrs
   Select 1:
   EDF 2130 Child and Adolescent Development for Educators or 3 hrs
   EDP 2270 Adult Development & Learning 3 hrs

4. Core Requirements: Advanced Level (55 hrs)
   • Education Track requires 56 semester hours
   • Lifelong Learning Track requires 55 semester hours

Education Core Requirements (18 hrs)
   • Education Track requires 18 semester hours of
   Education Core Requirements
   • Lifelong Learning Track requires 21 semester hours of
   Education Core Requirements
   EDF 4467 Learning Theory and Assessment 3 hrs
   EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
   1 EDG 4410 Teaching Strategies and Classroom Management 3 hrs
   EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
   RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
   1 TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

Lifelong Learning Track
   SCE 4361 Programs in Teaching Science 3 hrs

1 Prerequisite to Internship I

Education Track Specialization Requirements (21 hrs)
   CHM 2046 Chemistry Fundamentals II CPP
   CHM 2046L Chemistry Fundamentals Laboratory CPP
   PHY 2053C College Physics I CPP
   CHM 3120L Analytical Chemistry Laboratory 1 hr
   CHM 2210 Organic Chemistry I 3 hrs
   CHM 2211 Organic Chemistry II 3 hrs
   CHM 2211L Organic Laboratory Techniques I 2 hrs
   CHS 3501 Introduction to Forensic Science 3 hrs
   BCH 4053 Biochemistry I 3 hrs
   SCE 4361 Programs in Teaching Science 3 hrs

Internship I Block (7 hrs)
   • Program Internship I Prerequisites: EDG 4410, TSL 4080, and at least 50% of all required chemistry courses must be completed prior to Internship I with a minimum grade of “C-” (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
   • Passing score on the General Knowledge Test portion of the Florida Teacher Certification Exam is required before application to Internship I.
   • Passing score on the Professional Education Test portion of the Florida Teacher Certification Exam is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.
   • Students must apply and be approved for Internship I.

   Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexperience/
Satisfactory completion of Internship II requires the student to demonstrate proficiency in all Florida Educator Accomplished Practices in accordance with State Board of Education Rule 6A-5.066.

SCE 4941 Internship 9 hrs
ESE 4033C Critical Issues and Trends in Secondary Education 3 hrs

Lifelong Learning Track Specialization 34 hrs

Requirements
- Select preferred specialization courses with advisor approval. A minimum of nine (9) hours must be taken in the content area. Substitutions are allowed with advisor approval.
- A grade of "C-"(1.75) or better is required.
- Must have a total of 48 or more hours of upper level courses to graduate.

CHM 3120 Analytical Chemistry 3 hrs
CHM 3120L Analytical Chemistry Laboratory 1 hr
CHM 2210 Organic Chemistry I 3 hrs
CHM 2211 Organic Chemistry II 3 hrs
CHM 2211L Organic Laboratory Techniques I 2 hrs
CHS 3501 Introduction to Forensic Science 3 hrs
BCH 4053 Biochemistry I 3 hrs
EDG 4941 Directed Field Experience 1 hr
EDG 4948 Service Learning 3 hrs
DIG 3525 Digital Media Production I 3 hrs
DIG 2000 Introduction to Digital Media 3 hrs
DIG 2030 Digital Video Fundamentals 3 hrs
DIG 2109 Digital Imaging Fundamentals 3 hrs
DIG 2500 Fundamentals of Interactive Design 3 hrs
DIG 3611 User-Centered Design 3 hrs
DEP 2004 Developmental Psychology 3 hrs
DEP 3202 Psychology of Exceptional Children 3 hrs
DEP 3464 Psychology of Aging 3 hrs
EXP 3604 Cognitive Psychology 4 hrs
EXP 3250 Principles of Human Factors Psychology 3 hrs
EAB 3073 Principles of Behavior Modification 4 hrs
MAN 3052 Management of Organizations 3 hrs
MAN 4101 Human Relations in Management 3 hrs
MAR 3023 Marketing 3 hrs
ECT 4194 Curriculum Development Techniques for Industry Training 3 hrs
HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs
HFT 2750 The Event Industry 3 hrs
HFT 3798 Fairs and Festivals 3 hrs
HFT 4754 Exhibit and Trade Show Operations 3 hrs
SCE 4360 Science Instructional Analysis 4 hrs

5. Restricted Electives
- None

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Achieve a minimum 2.5 GPA in all courses within the major.
- In courses throughout the program, you must upload key assignments into your LiveText Dashboard. These key assignments are then assessed by faculty. The resulting data provides evidence of your demonstrated professional growth, reflection, and proficiency in all Florida Educator Accomplished Practices. All teacher education candidates, lifelong learning majors and early childhood and development and education majors (all ECDE tracks) are required to complete all LiveText requirements in order to be cleared for graduation. http://livetext.education.ucf.edu/

Education Track
- Pass all applicable sections of the Florida Teacher Certification Examination. See http://www.fldoe.org for test dates and test sites. Effective January 1, 2015, only examination results earned by educators within 10 years prior to the date of application for a new Florida Educator’s Certificate with the Florida Department of Education may be acceptable for certification eligibility requirements (SBE Rule 6A-4.002)

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required 120

Plan of Study (120 hrs)

- Recommended Four Year Sequence of Courses

Freshman Year - Fall
- EME 2040 Introduction to Technology for Educators 3 hrs
- ENC 1102 Composition II 3 hrs
- MAC 1114C College Trigonometry 3 hrs
- MAC 1114 Preparation for Math 3 hrs
- PSY 2012 General Psychology 3 hrs

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- MAC 1114 College Trigonometry 3 hrs
- PHI 2010 Introduction to Philosophy 3 hrs
- GEP B3 Elective (Prefer course from section B1)

Freshman Year - Summer
- 6 hrs

Select 1:
- MUL 2010 Enjoyment of Music or 3 hrs
- THE 2000 Theatre Survey or 3 hrs
- PHI 2010 Introduction to Philosophy 3 hrs

Select 1:
- STA 204C Principles of Statistics or 3 hrs
- STA 1063C Basic Statistics Using Microsoft Excel 3 hrs

Sophomore Year - Fall
- 14 hrs
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- BSC 2010C Biology I 4 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

Sophomore Year - Spring
- 13 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- EDF 2065 Introduction to Diversity for Educators 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs
The Science Education-Physics B.S. program offers students the option of two tracks: Science Education - Physics Track and Science Education - Physics Lifelong Learning Track (non-certification). The Education Track is appropriate for students interested in opportunities for employment in formal, 6-12 schools that require certification. The Lifelong Learning Track is appropriate for students seeking opportunities for employment outside formal, K-12 schools that do not require certification.

**Admission Requirements**
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from a Florida College System or State University System institution.
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of “C-” (1.75) or better
- Meet the Gordon Rule Requirement
- Meet Foreign Language Admission Requirement
- Have a minimum 2.5 overall GPA
- Education Track: Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted). The Lifelong Learning Track is a non-certification program and does not require the General Knowledge Test.

**Degree Requirements**
- Students should see an advisor prior to registering for classes
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses
- The Education Track is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirement are subject to change based on state mandates.
- 1. UCF General Education Program (GEP) (38 hrs)
  - Students are advised to take the preferred courses.
  - A: Communication Foundations (9 hrs)
    - Required ENC 1101 Composition I 3 hrs
    - Required ENC 1102 Composition II 3 hrs
    - Prefer  ENC 1107C Fundamentals of Communication 3 hrs
- B: Cultural & Historical Foundations (9 hrs)
  - General Education Program elective from section B1 to meet Gordon Rule Requirement
- Select 1:
  - Prefer MUL 2101 Enjoyment of Music or 3 hrs
  - Prefer THE 2000 Theatre Survey or 3 hrs
  - Prefer PHI 2101 Introduction to Philosophy 3 hrs
  - General Education Program elective: Prefer a second course from GEP section B1
- C: Mathematical Foundations (7 hrs)
  - Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
- Select 1:
  - Prefer STA 2014C Principles of Statistics 3 hrs
  - Prefer STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
- D: Social Foundations (6 hrs)
  - Prefer POS 2041 American National Government 3 hrs
  - Prefer PSY 2101 General Psychology 3 hrs
Education Core Requirements 21 hrs
Education Track requires 21 semester hours of Education Core Requirements
LifeLong Learning Track requires 21 semester hours of Education Core Requirements

Education Core Requirements 4 hrs
EDF 4467 Learning Theory and Assessment 3 hrs
EDF 4963 Analysis and Application of Educational, Legal, and Safety Issues in Schools 3 hrs
EDG 4410 Teaching Strategies and Classroom Management 3 hrs
EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
RED 4034 Content Reading in Kindergarten through Grade 12 3 hrs
TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

Lifelong Learning Track 3 hrs
SCE 4361 Programs in Teaching Science 3 hrs

1 Prequisite to Internship I
2 Prefer EDF 2130 Child and Adolescent Development for Educators 3 hrs
1 A grade of “C-” (1.75) or better is required.
2 A grade of “C” (1.75) or better is required.

2. Common Program Prerequisites (CPP) (29 hrs)
- See “Common Prerequisites” in the Transfer and Transition Services section for more information.
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs
- MAC 2311C Calculus with Analytic Geometry I 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- PHY 2049C General Physics Using Calculus II 4 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr

1 In addition, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

3. Core Requirements: Basic Level (3 hrs)
- Education Track requires 3 semester hours
- Lifelong Learning Track requires 6 semester hours
- PHY 2049G General Physics Using Calculus I 4 hrs
- MAC 2311C Calculus with Analytic Geometry I 4 hrs

Education Track 3 hrs
EDF 2130 Child and Adolescent Development for Educators 3 hrs

1 Courses taken at Florida College System institutions may substitute for select courses in Other Program Requirements with the permission of the department.

LifeLong Learning Track 6 hrs
MHS 2330 Career Planning 3 hrs
Select 1:
- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- EDP 2270 Adult Development & Learning 3 hrs

4. Core Requirements: Advanced Level (47 hrs)
- Education Track requires 50 semester hours
- Lifelong Learning Track requires 47 semester hours

Education Core Requirements 18 hrs
Education Track requires 18 semester hours of Education Core Requirements
LifeLong Learning Track requires 21 semester hours of Education Core Requirements

Education Core Requirements 4 hrs
EDF 4467 Learning Theory and Assessment 3 hrs
EDF 4963 Analysis and Application of Educational, Legal, and Safety Issues in Schools 3 hrs
EDG 4410 Teaching Strategies and Classroom Management 3 hrs
EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
RED 4034 Content Reading in Kindergarten through Grade 12 3 hrs
TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

Lifelong Learning Track 3 hrs
SCE 4361 Programs in Teaching Science 3 hrs

1 Prequisite to Internship I
2 Prefer EDF 2130 Child and Adolescent Development for Educators 3 hrs
1 A grade of “C-” (1.75) or better is required.
2 A grade of “C” (1.75) or better is required.

Education Track Specialization Requirements 13 hrs
CHM 2045C Chemistry Fundamentals I CPP
CHM 2046 Chemistry Fundamentals II CPP
CHM 2046L Chemistry Fundamentals Laboratory CPP
MAC 2312C Calculus with Analytic Geometry II CPP
MAC 2313C Calculus with Analytic Geometry III CPP
PHY 2049C General Physics Using Calculus I CPP
PHY 3101 General Physics Using Calculus III 3 hrs
SCE 4361 Programs in Teaching Science 3 hrs
Elective: 3000 or 4000 level PHY or PHZ prefix 4 hrs

Select 1:
- PHY 3752C Physics of Scientific Instruments or 3 hrs
- PHY 3722C Physics Laboratory-Electronics 3 hrs

Internship I Block 7 hrs
- Program Internship I Prerequisites: EDG 4410, TSL 4080 and at least 50% of all required physics courses must be completed prior to Internship I with a minimum grade of “C-” (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.
- Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/
- SCE 4369 Science Instructional Analysis 4 hrs
- SCE 3940 Internship 3 hrs

Internship II Block 12 hrs
- At least 80% of all required physics courses and all methods courses must be completed with a letter grade of “C-” (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
- Passing scores on all sections [General Knowledge, Professional, and Subject Area (Physics 6-12) of the Florida Teacher Certification Examination (FTCE) is required prior to entry into Internship II.
- Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/
- Satisfactory completion of Internship II requires the student to demonstrate proficiency in all Florida Educator Accomplished Practices in accordance with State Board of Education Rule 6A-5.006.
- SCE 4941 Internship 9 hrs
- ESE 4033C Critical Issues and Trends in Secondary Education 3 hrs

Lifelong Learning Track Specialization 26 hrs
- Select preferred specialization courses with advisor approval. A minimum of nine (9) hours must be taken in the content area. Substitutions are allowed with advisor approval.
- A grade of “C-” (1.75) or better is required.
- Must have a total of 48 or more hours of upper level courses to graduate.
- PHY 3101 General Physics Using Calculus III 3 hrs
- PHY 3752C Physics of Scientific Instruments 3 hrs
- PHY 3722C Physics Laboratory-Electronics 3 hrs
- EDG 4941 Directed Field Experience 1 hr
- EDG 4948 Service Learning 3 hrs
- DIG 3525 Digital Media Production I 3 hrs
- DIG 2000 Introduction to Digital Media 3 hrs
- DIG 2030 Digital Video Fundamentals 3 hrs
UCF Degree Programs

DIG 2109  Digital Imaging Fundamentals  3 hrs
DIG 2500  Fundamentals of Interactive Design  3 hrs
DIG 3811  User-Centered Design  3 hrs
DEP 2004  Developmental Psychology  3 hrs
DEP 3202  Psychology of Exceptional Children  3 hrs
DEP 3464  Psychology of Aging  3 hrs
EXP 3604  Cognitive Psychology  4 hrs
EXP 3250  Principles of Human Factors Psychology  3 hrs
EAB 3703  Principles of Behavior Modification  4 hrs
MAN 3025  Management of Organizations  3 hrs
MAN 4101  Human Relations in Management  3 hrs
MAR 3023  Marketing  3 hrs
ECT 4184  Curriculum Development Techniques for Industry Training  3 hrs
HFT 1000  Introduction to the Hospitality and Tourism Industry  3 hrs
HFT 2750  The Event Industry  3 hrs
HFT 3798  Fairs and Festivals  3 hrs
HFT 4754  Exhibit and Trade Show Operations  3 hrs
SCE 4360  Science Instructional Analysis  4 hrs

5. Restricted Electives
   None

6. Capstone Requirements
   None

7. Foreign Language Requirements
Admissions
   State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation
   None

8. Electives
   None

9. Additional Requirements
   None

10. Required Minors
    None

11. Departmental Exit Requirements
    Achieve a minimum 2.5 GPA in all courses within the major.
    In courses throughout the program, you must upload key assignments into your LiveText Dashboard. These key assignments are then assessed by faculty. The resulting data provides evidence of your demonstrated professional growth, reflection, and proficiency in all Florida Educator Accomplished Practices. All teacher education candidates, lifelong learning majors and early childhood and development and education majors (all ECDE tracks) are required to complete all LiveText requirements in order to be cleared for graduation. http://livetext.education.ucf.edu/

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    A 2.0 UCF GPA
    60 semester hours earned after CLEP awarded
    48 semester hours of upper division credit completed
    30 of the last 39 hours of course work must be completed in residency at UCF.
    A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
   120

Honors In Major
   None

Related Programs
   None

Certificates
   None

Related Minors
   None

Advising Notes
   None

Transfer Notes
   None

Acceptable Substitutes for Transfer Courses
   None

Plan of Study (120 hrs)

Freshman Year - Fall
   15 hrs
   GEP B1 Elective  3 hrs
   ENC 1101  Composition I  3 hrs
   PSY 2012  General Psychology  3 hrs
   SPC 1608  Fundamentals of Oral Communication  3 hrs
   Select 1:  3 hrs
   STA 1063C  Basic Statistics Using Microsoft Excel or 3 hrs
   STA 2014C  Principles of Statistics  3 hrs

Freshman Year - Spring
   16 hrs
   GEP B3 Elective (Preferred course from section B1)  3 hrs
   MAC 2311C  Calculus with Analytic Geometry I  4 hrs
   ENC 1102  Composition II  3 hrs
   POS 2041  American National Government  3 hrs
   Select 1:  3 hrs
   MUL 2010  Enjoyment of Music or 3 hrs
   THE 2000  Theatre Survey or 3 hrs
   PHI 2010  Introduction to Philosophy  3 hrs

Sophomore Year - Summer
   7 hrs
   MAC 2312  Calculus with Analytic Geometry II  4 hrs
   EDF 2005  Introduction to the Teaching Profession  3 hrs
   Select 1:  3 hrs
   STA 1063C  Basic Statistics Using Microsoft Excel or 3 hrs
   STA 2014C  Principles of Statistics  3 hrs

Sophomore Year - Fall
   14 hrs
   MAC 2313  Calculus with Analytic Geometry III  4 hrs
   PHY 2048C  General Physics Using Calculus I  4 hrs
   EDF 2085  Introduction to Diversity for Educators  3 hrs
   Select 1:  3 hrs
   ANT 2511  The Human Species or 3 hrs
   BSC 1005  Biological Principles  3 hrs

Sophomore Year - Spring
   14 hrs
   CHM 2045C  Chemistry Fundamentals I  4 hrs
   EME 2040  Introduction to Technology for Educators  3 hrs
   PHY 2049C  General Physics Using Calculus II  4 hrs

Education Track
   3 hrs
   EDF 2130  Child and Adolescent Development for Educators  3 hrs

Lifelong Learning Track
   3 hrs
   Select 1:  3 hrs
   EDF 2130  Child and Adolescent Development for Educators  3 hrs
   EDP 2270  Adult Development & Learning  3 hrs

Junior Year - Fall
   12 hrs
   EEX 4242  Teaching Exceptional Students in Secondary Settings  3 hrs
   EDG 4410  Teaching Strategies and Classroom Management  3 hrs
   TSL 4080  Theory and Practice of Teaching ESOL in Schools  3 hrs

Education Track
   3 hrs
   PHY 3101  General Physics Using Calculus III  3 hrs

Lifelong Learning Track
   3 hrs
   Choose Lifelong Learning Specialization course  3 hrs
Junior Year - Spring  14 hrs
EDF 4467  Learning Theory and Assessment  3 hrs
RED 4043  Content Reading in Kindergarten through  Grade 12  3 hrs
CHM 2046  Chemistry Fundamentals II  3 hrs
CHM 2046L  Chemistry Fundamentals Laboratory  1 hr

Education Track  4 hrs
PHY or PHZ 3000 or 4000 level elective  4 hrs

Lifelong Learning Track  4 hrs
MHS 2330  Career Planning and  3 hrs
Choose Lifelong Learning Specialization course  1 hrs

Junior Year - Summer  3 hrs
SCE 4361  Programs in Teaching Science  3 hrs

Senior Year - Fall  13 hrs
EDF 4603  Analysis and Application of Ethical, Legal, and Safety Issues in Schools  3 hrs

Education Track  10 hrs
SCE 4360  Science Instructional Analysis  4 hrs
SCE 3940  Internship  3 hrs

Select 1:  3 hrs
PHY 3752C  Physics of Scientific Instruments or  3 hrs
PHY 3722C  Physics Laboratory-Electronics  3 hrs

Lifelong Learning Track  10 hrs
Choose Lifelong Learning Specialization courses  10 hrs

Senior Year - Spring  12 hrs
Education Track  12 hrs
SCE 4941  Internship and  9 hrs
ESE 4033C  Critical Issues and Trends in Secondary Education  3 hrs

Lifelong Learning Track  12 hrs
Choose Lifelong Learning Specialization courses  12 hrs

Program Academic Learning Compacts
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:  http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
Part-Time Student: $12 per term
Full-Time Student: $24 per term

Social Science Education (B.S.)
College of Education and Human Performance
School of Teaching, Learning, and Leadership,
Education Building, Room: 209
http://education.ucf.edu/ssed/

Dr. Scott Waring, ED 206J, Scott.Waring@ucf.edu, 407-823-1766
Dr. Janet Andreassen, ED 123Q, Janet.Andreassen@ucf.edu

The Social Science Education B.S. program offers students the option of two tracks: Social Science Education - Education Track and Social Science Education - Lifelong Learning Track (non-certification). The Education Track is appropriate for students interested in opportunities for employment with formal, 6-12 schools that require certification. The Lifelong Learning Track is appropriate for students seeking opportunities for employment outside formal, K-12 schools that do not require certification.

Admission Requirements
Complete the University General Education requirements or its equivalent, i.e. an AA degree from a Florida College System or State University System institution.
Complete all Education Common Program Prerequisites and Other Program Prerequisites courses with a minimum letter grade of “C-” (1.75) or better.
Meet the Gordon Rule Requirement.
Have a minimum 2.5 overall GPA

Education Track: Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted). The Lifelong Learning Track is a non-certification program and does not require the General Knowledge Test.

Degree Requirements
Students should see an advisor prior to registering for classes.
The courses designated in 1. (General Education) and 2. (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
The Education Track is state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. UCF General Education Program (GEP)  (36 hrs)
Students are advised to take preferred courses.

A: Communication Foundations  (9 hrs)
Required  ENC 1101  Composition I  3 hrs
Required  ENC 1102  Composition II  3 hrs
Prefer  SPC 1608  Fundamentals of Oral  3 hrs
Communication

B: Cultural & Historical Foundations  (9 hrs)
Required  AMH 2010  U.S. History: 1492-1877  3 hrs
Required  EHU 2000  Western Civilization I  3 hrs
Select 1:  3 hrs
Prefer  MUL 2010  Enjoyment of Music or  3 hrs
Prefer  THE 2000  Theatre Survey  or  3 hrs
Prefer  PHI 2010  Introduction to Philosophy  3 hrs

C: Mathematical Foundations  (6 hrs)
Select 1:  3 hrs
Prefer  STA 1063C  Basic Statistics Using Microsoft Excel or  3 hrs
Prefer  STA 2014C  Principles of Statistics  3 hrs

Select 1:  3 hrs
Suggested  MGF 1106  Finite Mathematics or  3 hrs
Suggested  MGF 1107  Explorations in Mathematics  3 hrs

D: Social Foundations  (6 hrs)
Required  POS 2041  American National Government  3 hrs
Required  PSY 2012  General Psychology  3 hrs

E: Science Foundations  (6 hrs)
Prefer  PSC 1121  Physical Science  3 hrs

Select 1:  3 hrs
Prefer  ANT 2511  The Human Species or  3 hrs
Prefer  BSC 1005  Biological Principles  3 hrs

2. Common Program Prerequisites (CPP)  (12 hrs)
See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

EDF 2055  Introduction to the Teaching Profession  3 hrs

EDF 2085  Introduction to Diversity for Educators  3 hrs
EME 2040  Introduction to Technology for Educators  3 hrs
AMH 2010  U.S. History: 1492-1877  3 hrs
AMM 2020  U.S. History: 1877-Present  3 hrs
POS 2041  American National Government  3 hrs
PSY 2012  General Psychology  3 hrs

In addition to this course, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

3. Core Requirements: Basic Level  (9 hrs)
Education Track requires 9 semester hours
Lifelong Learning Track requires 12 semester hours

Education Track  9 hrs
Student should consult advisor regarding course options

EDF 2130  Child and Adolescent Development for Educators  3 hrs
SYG 2000  Introduction to Sociology  3 hrs
ECO 2013  Principles of Macroeconomics  3 hrs

Courses taken at Florida College System institutions may substitute for select courses in Other Program Requirements with the permission of the department.
UCF Degree Programs

Lifelong Learning Track 12 hrs
SYG 2000 Introduction to Sociology 3 hrs
ECO 2013 Principles of Macroeconomics 3 hrs
MHS 2330 Career Planning 3 hrs

Select 1:
EDF 2130 Child and Adolescent Development for Educators or 3 hrs
EDP 2270 Adult Development & Learning 3 hrs

4. Core Requirements: Advanced Level (63 hrs)

Education Core Requirements 18 hrs
Education Track requires 66 semester hours
Lifelong Learning Track requires 63 semester hours

Education Core Requirements 18 hrs
Education Track requires 18 semester hours of
Education Core Requirements
Lifelong Learning Track requires 21 semester hours of
Education Core Requirements

1 EDG 4410 Teaching Strategies and Classroom Management 3 hrs
EDF 4467 Learning Theory and Assessment 3 hrs
EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs
EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs

Lifelong Learning Track
SSE 4936 Programs in Teaching Social Science 3 hrs

1 Prerequisite to Internship I

Education Track Specialization Requirements 27 hrs
ECO 2023 Principles of Microeconomics 3 hrs
EHU 2000 Western Civilization I GEP
EHU 2001 Western Civilization II 3 hrs
AMH 2010 U.S. History: 1492-1877 GEP
AMH 2020 U.S. History: 1877-Present CPP
POS 2041 American National Government GEP
PSY 2012 General Psychology GEP
SSE 4936 Programs in Teaching Social Science Upper Division Non-Western History Elective (AFH, ASH, or LAH prefix courses 3/4XXX) 3 hrs
Upper Division Political Science Elective (CPO, INR, or POS prefix courses 3/4XXX) 3 hrs
Upper Division American History Elective (AMH prefix courses 3/4XXX) 3 hrs
Field of Concentration Upper Division Electives (AFH, AMH, ASH, CPO, INR, LAH, or POS 3/4XXX) 6 hrs
GEO 3471 World Political Geography or approved 3 hrs

Internship I Block 6 hrs
Prior to Internship I, the student must have completed EDG 4410 Teaching Strategies and Classroom Management and at least 50% of all required social science courses indicated above with a letter grade of "C-" (1.75) or better prior to Internship I. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.

Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.

Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.

Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/

SSE 4361 Social Science Instructional Analysis 3 hrs
SSE 3940 Internship 3 hrs

Internship II Block 12 hrs
At least 80% of all required social science courses and all methods courses must be completed with a letter grade of "C-" (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.

Passing scores on all sections [General Knowledge, Professional, and Subject Area (Social Science 6-12)] of the Florida Teacher Certification Examination (FTCE) are required prior to entry into Internship II.

Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/

Satisfactory completion of Internship II requires the student to demonstrate proficiency in all Florida Educator Accomplished Practices in accordance with State Board of Education Rule 6A-5.066.

SSE 4941 Internship 9 hrs
SSE 4033C Critical Issues and Trends in Secondary Education 3 hrs

Lifelong Learning Track Specialization 42 hrs
Requirements
Select preferred specialization courses with advisor approval. A minimum of nine (9) hours must be taken in the content area. Substitutions are allowed with advisor approval.
A grade of "C-" (1.75) or better is required.
Must have a total of 48 or more hours of upper level courses to graduate.
Field of Concentration Upper Level Courses (1-39 hrs of)
AFH, AMH, ASH, CPO, HUM, INR, LAH or POS 3/4XXX)
EDG 4941 Directed Field Experience 1 hr
EDG 4948 Service Learning 3 hrs
DIG 3525 Digital Media Production I 3 hrs
DIG 2000 Introduction to Digital Media 3 hrs
DIG 2300 Digital Video Fundamentals 3 hrs
DIG 2109 Digital Imaging Fundamentals 3 hrs
DIG 2500 Fundamentals of Interactive Design 3 hrs
DIG 3811 User-Centered Design 3 hrs
DEP 2004 Developmental Psychology 3 hrs
DEP 3202 Psychology of Exceptional Children 3 hrs
DEP 3464 Psychology of Aging 3 hrs
EXP 3604 Cognitive Psychology 4 hrs
EXP 3250 Principles of Human Factors Psychology 3 hrs
EAB 3703 Principles of Behavior Modification 4 hrs
MAN 3025 Management of Organizations 3 hrs
MAN 4101 Human Relations in Management 3 hrs
MAR 3023 Marketing 3 hrs
ECT 4184 Curriculum Development Techniques for Industry Training 3 hrs
HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs
HFT 2750 The Event Industry 3 hrs
HFT 3798 Fairs and Festivals 3 hrs
HFT 4754 Exhibit and Trade Show Operations 3 hrs
SSE 4361 Social Science Instructional Analysis 3 hrs
SSE 3940 Internship 3 hrs

5. Restricted Electives
None

6. Capstone Requirements
None

7. Foreign Language Requirements Admissions
State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation
None

8. Electives
None
## Plan of Study (120 hrs)

**120 Total Semester Hours Required**

A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted. Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

### Education Track

- Pass all applicable sections of the Florida Teacher Certification Examination. See [http://www.fldoe.org](http://www.fldoe.org) for test dates and test sites. Effective January 1, 2015, only examination results earned by educators within 10 years prior to the date of application for a new Florida Educator’s Certificate with the Florida Department of Education may be acceptable for certification eligibility requirements (SBE Rule 6A-4.002).

### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.

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### Plan of Study

<table>
<thead>
<tr>
<th>Semester</th>
<th>Year</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshman</td>
<td>Fall</td>
<td>AMH 2010 U.S. History: 1492-1877, ENC 1101 Composition I, MGF 1106 Finite Mathematics, PSY 2012 General Psychology</td>
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<tr>
<td></td>
<td>Spring</td>
<td>AMH 2020 U.S. History: 1877-Present, ENC 1102 Composition II, POS 2041 American National Government</td>
</tr>
<tr>
<td>Select 1</td>
<td></td>
<td>ANT 2511 The Human Species or, BSC 1005 Biological Principles</td>
</tr>
<tr>
<td>Freshman</td>
<td>Summer</td>
<td>SPC 1608 Fundamentals of Oral Communication</td>
</tr>
<tr>
<td>Select 1</td>
<td></td>
<td>MUL 2010 Enjoyment of Music or, THE 2000 Theatre Survey or, PHI 2010 Introduction to Philosophy</td>
</tr>
<tr>
<td>Sophomore</td>
<td>Fall</td>
<td>EDF 2005 Introduction to the Teaching Profession, ECO 2013 Principles of Macroeconomics, PSC 1121 Physical Science, SYG 2000 Introduction to Sociology</td>
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<tr>
<td>Select 1</td>
<td></td>
<td>STA 1063C Basic Statistics Using Microsoft Excel or, STA 2014C Principles of Statistics</td>
</tr>
<tr>
<td>Sophomore</td>
<td>Spring</td>
<td>EDF 2085 Introduction to Diversity for Educators, EME 2040 Introduction to Technology for Educators</td>
</tr>
<tr>
<td>Education</td>
<td></td>
<td>ECO 2023 Principles of Microeconomics and EDF 2130 Child and Adolescent Development for Educators</td>
</tr>
<tr>
<td>Lifelong Learning</td>
<td></td>
<td>MHS 2330 Career Planning</td>
</tr>
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<td>Select 1</td>
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<td>EDF 2130 Child and Adolescent Development for Educators or, EDP 2270 Adult Development &amp; Learning</td>
</tr>
<tr>
<td>Sophomore</td>
<td>Year</td>
<td>TSL 4080 Theory and Practice of Teaching ESOL Students in Schools</td>
</tr>
<tr>
<td>Education</td>
<td></td>
<td>EUH 2000 Western Civilization I and Upper Division Political Science Elective (CPO, INR, POS 3/4XXX)</td>
</tr>
<tr>
<td>Lifelong Learning</td>
<td></td>
<td>Choose Lifelong Learning Specialization courses</td>
</tr>
<tr>
<td>Junior</td>
<td>Fall</td>
<td>EDF 4467 Learning Theory and Assessment, EDO 4410 Teaching Strategies and Classroom Management, SSE 4936 Programs in Teaching Social Science</td>
</tr>
<tr>
<td>Education</td>
<td></td>
<td>EUH 2001 Western Civilization II and Upper Division Non-Western History Elective (AFH, ASH, LAH 3/4XXX)</td>
</tr>
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<td>Lifelong Learning</td>
<td></td>
<td>Choose Lifelong Learning Specialization courses</td>
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<tr>
<td>Junior</td>
<td>Spring</td>
<td>RED 4043 Content Reading in Kindergarten through Grade 12</td>
</tr>
<tr>
<td>Education</td>
<td></td>
<td>SSE 3940 Internship and SSE 4361 Social Science Instructional Analysis and GEO 3471 World Political Geography or approved 3000/4000 level Geography elective</td>
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<tr>
<td>Lifelong Learning</td>
<td></td>
<td>Choose Lifelong Learning Specialization courses</td>
</tr>
<tr>
<td>Senior</td>
<td>Fall</td>
<td>EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools, EEX 4242 Teaching Exceptional Students in Secondary Settings</td>
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<tr>
<td>Education</td>
<td></td>
<td>Upper Division American History Elective (AMH 3/4XXX) and Field of Concentration Upper Level Elective (AFH, AMH, ASH, CPO, INR, CAH, LAH or POS 3/4XXX)</td>
</tr>
<tr>
<td>Lifelong Learning</td>
<td></td>
<td>Choose Lifelong Learning Specialization courses</td>
</tr>
</tbody>
</table>

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### Undergraduate Catalog 2016-2017

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**UNIVERSITY OF CENTRAL FLORIDA**

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**321**
### UCF Degree Programs

#### Social Sciences (B.S.)

**College of Sciences**

**Department of Sociology,**

Howard Phillips Hall, Room: 403


Dr. Elizabeth Grauerholz, Elizabeth.Grauerholz@ucf.edu,
407-823-4241

Students majoring in the Social Sciences Interdisciplinary B.S. program are provided with interdisciplinary breadth and depth in the Social Sciences as they fulfill the requirements of three separate social science minors of their choice, a statistics course, and a methodology course. The Social Science minors are housed in Anthropology, Communication, Political Science, Psychology, Sociology, and Women’s and Gender Studies. This major supports UCF’s goal of offering the best undergraduate education available in Florida with flexibility that is absent in most discipline-specific programs. This degree program may be completed online, although not all elective options or program prerequisites may be offered online. Newly admitted students choosing to complete this program exclusively via UCF online classes may enroll with a reduction in campus-based fees. See [http://ucf.edu/online](http://ucf.edu/online) for more information.

**Admission Requirements**

None

**Degree Requirements**

- Students who change degree programs and select this major must adopt the most current catalog.
- Students must meet the residency requirements specified in each minor.
- Special topics courses may be used if they are acceptable within the specific minor.
- Grades below “C” (2.0) in lower level courses and core courses are not accepted.
- Students must achieve a minimum cumulative UCF GPA of 2.0 in all courses satisfying major requirements.
- Students must maintain a minimum GPA of 2.0 in each Social Science discipline.
- Internship credit must be approved by Coordinator of Social Sciences.
- Independent Studies and Directed Independent Research (course numbers 3905, 4906, 5907, 4912, 5917, 3940, 4941) must be approved by the Coordinator of Social Sciences prior to enrollment.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

#### 1. UCF General Education Program (GEP) **(36 hrs)**

<table>
<thead>
<tr>
<th>Component</th>
<th>Required Courses</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>A: Communication Foundations</td>
<td>ENC 1101 Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>ENC 1102 Composition II</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### 2. Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

#### Equipment Fees

- Part-Time Student: $12 per term
- Full-Time Student: $24 per term

#### Degree Requirements

- None

#### Admission Requirements

- None

#### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students must meet the residency requirements specified in each minor.
- Special topics courses may be used if they are acceptable within the specific minor.
- Grades below “C” (2.0) in lower level courses and core courses are not accepted.
- Students must achieve a minimum cumulative UCF GPA of 2.0 in all courses satisfying major requirements.
- Students must maintain a minimum GPA of 2.0 in each Social Science discipline.
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<tr>
<td></td>
<td>ENC 1102 Composition II</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Required Minors:

- Complete the requirements for 3 Social Science minors dealing with the following areas:
  - Only one minor may be selected from the same department or school.
  - Anthropology 18 hrs
  - Communication 18 hrs
  - Political Science 18 hrs
  - Psychology 25 hrs
  - Sociology 18 hrs
  - Women's and Gender Studies 18 hrs

#### 5. Restricted Electives

- None

#### 6. Capstone Requirements

- Students will be required to take an exit exam in their graduating semester.

#### 7. Foreign Language Requirements

**Admissions**

- Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

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**UNIVERSITY OF CENTRAL FLORIDA**

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**UCF Degree Programs**

**Senior Year - Spring**

<table>
<thead>
<tr>
<th>Education Track</th>
<th>12 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>SSE 4941 Internship and</td>
<td>9 hrs</td>
</tr>
<tr>
<td>ESE 4033C Critical Issues and Trends in Secondary Education</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Lifelong Learning Track**

Choose Lifelong Learning Specialization courses 12 hrs

**Program Academic Learning Compacts**

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

**Equipment Fees**

- Part-Time Student: $12 per term
- Full-Time Student: $24 per term

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Graduation  
- Typically none, however some minors require a foreign language. Check with department of minor.

8. Electives  
- After meeting with a departmental advisor, select electives primarily from upper level courses to satisfy the 48 hour rule. Courses may be outside the areas.

9. Additional Requirements  
- None

10. Required Minors  
- Three minors are to be selected from the following listing:
  - However only one minor may be taken within a single department or school.
  - Anthropology
  - Anthropology in Multicultural Studies
  - Crime, Law, and Deviance
  - Diplomacy (At least 6 hrs of Restricted Electives must be taken from courses with INR or POT prefixes)
  - Diversity and Social Inequality
  - Global Peace and Security Studies (At least 9 hrs of Restricted Electives must be CPO, INR, or POT prefixes)
  - Human Communication
  - International and Global Studies (3 hrs of Restricted Electives from “Group C. Other” must be COP or SYP prefixes)
  - Journalism Studies
  - Magazine Journalism
  - Mass Communication
  - Mass Culture and Collective Behavior
  - Medical Anthropology
  - Medical Sociology
  - North American Indian Studies
  - Political Science
  - Political Science/Prelaw
  - Psychology
  - Sociology
  - Terrorism Studies (At least 9 hrs of Restricted Electives, including Restricted Upper Division Electives, must be COM, CPO, INR, or other prefixes approved by Coordinator of Social Sciences)
  - Women’s and Gender Studies (At least 6 hrs of Restricted Electives must be taken from courses with ANT, CLP, COM, CPO, INR, SOP, SYD, SYO, or WST)

11. Departmental Exit Requirements  
- Maintain a minimum GPA of 2.0 in each Social Science discipline.
- A minimum grade of “C” (2.0) in all core courses is required.
- Students will be required to take an exit exam in their graduating semester.

12. University Minimum Exit Requirements  
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required  
- 120

Honors In Major  
- See Coordinator of Social Sciences or HIM Advisor

Related Programs  
- None

Certificates  
- None

Related Minors  
- None

Advising Notes  
- Students should seek advising with the Social Sciences Coordinator for major. For advising regarding selected minors, see the Departmental Advisor.

Transfer Notes  
- Lower division courses do not substitute for upper division courses.
- Transfer courses must be evaluated for equivalency credit and/or for use in the degree program. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses  
- Any two introductory Social Sciences courses could meet CPP requirements. However, the indicated courses are prerequisites for subsequent courses and must be taken.

Plan of Study  
- This is one of numerous possible plans of study.
- See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.
- Prior to enrolling in Math, take Math Placement Test – http://utsc.sdes.ucf.edu

### Freshman Year - Fall 16 hrs
- ENC 1101 Composition I 3 hrs
- Foreign Language 4 hrs
- GEP- Math 3 hrs
- GEP 3 hrs
- GEP 3 hrs

### Freshman Year - Spring 16 hrs
- Core Course 3 hrs
- Statistics 3 hrs
- ENC 1102 Composition II 3 hrs
- Foreign Language 4 hrs
- GEP 3 hrs

### Sophomore Year - Fall 13 hrs
- Core Course 3 hrs
- Elective / Minor 3 hrs
- GEP 4 hrs
- GEP 3 hrs

### Sophomore Year - Spring 15 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
- GEP 3 hrs
- GEP 3 hrs

### Junior Year - Fall 15 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs

### Junior Year - Spring 15 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs

### Senior Year - Fall 15 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
- Free Elective 3 hrs

### Senior Year - Spring 15 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Elective / Minor 3 hrs
- Free Elective 3 hrs
Social Work (B.S.W.)
College of Health and Public Affairs
School of Social Work,
Health and Public Affairs I, Room: 204
http://www.coahp.ucf.edu/social/
Email: socialwk@ucf.edu
Dr. Bonnie Yegidis, Director
Robin Kohn, Undergraduate Program Coordinator
Catherine Cash, BSW Advisor
Phone: 407-823-2114

Admission Requirements
- Acceptance to the University does not necessarily constitute admission to the upper division social work program. Separate application to the limited access program must be made to the School of Social Work. Students are admitted to the undergraduate program only in the Summer or Fall terms. To be considered for admission to the program, students must have:
  - Admission to the University.
  - A 2.5 overall GPA.
  - An AA (from a Florida College System or State University System institution) or UCF General Education Program and Gordon Rule requirement.
  - 15 semester hours common program prerequisites completed with a "C" (2.0) in each course (see Section 2 below for list of courses)
  - This limited access program is work-intensive. Due to this it is strongly recommended that students be at least one year post high school prior to applying to the program. Students with concerns or questions should contact the program to schedule an appointment with an advisor.
- Personal qualifications considered for acceptance include intelligence, initiative, social concern, appreciation for human diversity, dependability, humanitarian interests in helping people and in improving human services and college-level reading and writing skills.

Degree Requirements
- Students who are pending Social Work and are admitted to the program must adopt the most current catalog.
- Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Social Work.
- Students should complete the General Education Program and the Common Program Prerequisite Requirements before beginning the Social Work Program.
- Students entering the social work program and completing the program prerequisites including Statistics are required to earn a minimum of “C” (2.0) in each course.
- Students should consult with a school advisor.
- The courses designated in sections 1 (general education) and 2 (common program prerequisites) below may be taken at a college or university other than UCF, and should usually be completed in the first 60 hours.
- Students meeting the six hours of cultural diversity requirement must earn a minimum of “C” (2.0) in each course.
- A minimum overall GPA of 2.5 is required in all Social Work courses with a minimum grade of “C” (2.0) in each course.
- Students must earn an overall GPA of 2.5 for entry into field education (SOW 4510 or SOW 4941 part-time) and to be eligible for graduation from the Social Work Program.
- Students must complete all the requirements listed in 1-11 below.

UCF Degree Programs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oead.ucf.edu/alc/academic_learning_compacts.htm

1. UCF General Education Program (GEP) (36 hrs)
A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (6 hrs)
Select 1: 3 hrs
Required STA 2014C Principles of Statistics or STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)
Required POS 2041 American National Government 3 hrs
Required PSY 2012 General Psychology 3 hrs

E: Science Foundations (6 hrs)
Required BSC 1005 Biological Principles 3 hrs

2. Common Program Prerequisites (CPP) (6 hrs)
- See Transfer Notes
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements: Basic Level (None)

4. Core Requirements: Advanced Level (45 hrs)

Required Principles of Statistics 3 hrs
- Choose one of the following suggested courses, or see advisor for more options:
  - STA 2014C Principles of Statistics 3 hrs
  - STA 2023 Statistical Methods I 3 hrs

Cultural Diversity Requirement 6 hrs
- Choose two of the following suggested courses
  - ANT 4332 People and Cultures of Latin America 3 hrs
  - ANT 2410 Cultural Anthropology: Global Perspectives, Local Contexts 3 hrs
  - ANT 3610 Language and Culture 3 hrs
  - ASH 4404 Modern China 3 hrs
  - ASH 4442 Modern Japan 3 hrs
  - CPO 4303 Comparative Latin American Politics 3 hrs
  - HUM 3401 Asian Humanities 3 hrs
  - REL 3333 Hinduism 3 hrs
  - REL 3363 Islam 3 hrs
  - JST 3401 Jewish People in Antiquity 3 hrs
  - JST 3402 Wanderings: The Jewish People in Dispersion 3 hrs
  - JST 3820 Modern Israeli Culture 3 hrs
  - LAH 3130 Latin American History I 3 hrs
  - LAH 3200 Modern Latin America 3 hrs
  - LAH 3400 History of Mexico and Central America 3 hrs
  - LAH 3470 History of the Caribbean 3 hrs
  - AMH 3561 Women in American History I 3 hrs
  - AMH 3571 Black American History I 3 hrs
  - AMH 3586 History of Latinos in the U.S. 3 hrs
5. Restricted Electives (6 hrs)
- Select six hours in consultation with faculty advisor.

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Two years of one foreign language in high school, or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.
- Students that transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

Graduation
- Cultural Diversity Requirement

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- A minimum overall GPA of 2.5 in all social work courses with a minimum grade of "C" (2.0) or higher in each social work course.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- Complete a three-credit directed reading course/or a three-credit COHPA Interdisciplinary Honor Course.
- Complete a three-credit thesis course.
- Earn a 3.5 GPA in your Social Work major.
- Earn a cumulative 3.2 GPA in your total UCF courses.
- Complete 60 hours of college credit, including 12 upper division hours at UCF.

Related Programs
- Criminal Justice
- Psychology
- Sociology
- Public Administration

Certificates
- Aging Studies
- Children’s Services

Related Minors
- Health Services Administration
- Aging Studies
- Psychology
- Sociology
- Nonprofit Management/National Certification in Nonprofit Management

Advising Notes
- None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- POS 2041: may use POS X042 or PUP X099
- BSC 2005: may use BSC X085, BSC X010, or PCB X099
- PSY 2012: may use PSY X020
- SYG 2000: may use SYG X010

Plan of Study

Freshman Year - Fall 14 hrs
- ENC 1101: Composition I 3 hrs
- BSC 1005: Biological Principles 3 hrs
- GEP Math 3 hrs
- PAF 2102: Public Affairs Careers 2 hrs

Select 1: 3 hrs
- SYG 2000: Introduction to Sociology or
- PSY 2012: General Psychology 3 hrs

Freshman Year - Spring 15 hrs
- ENC 1102: Composition II 3 hrs
- STA 2014C: Principles of Statistics 3 hrs
- POS 2041: American National Government 3 hrs

Select 1: 3 hrs
- PSY 2012: General Psychology or
- SYG 2000: Introduction to Sociology 3 hrs
- GEP Cultural 3 hrs

Sophomore Year - Fall 15 hrs
- GEP Communication 3 hrs
- GEP Historical 3 hrs
- SOW 2020: Careers in Creating Social Change 3 hrs

Select 1: 3 hrs
- ECO 2013: Principles of Macroeconomics or
- ECO 2023: Principles of Microeconomics 3 hrs

Sophomore Year - Spring 15 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs
- GEP Science 3 hrs
- GEP Historical 3 hrs
- Foreign Language II or Cultural Diversity 3 hrs

Sophomore Year - Summer 6 hrs
- Select 1: 3 hrs
- SOW 3104: Human Behavior and the Social 3 hrs
- SOW 3300: Environmental I or Generalist Practice in Social Work or
- SOW 3620: Culturally Competent Social Work Practice 3 hrs
- SOW Elective 3 hrs

Junior Year - Fall 15 hrs
- SOW 3284: Social Work Perspectives on Social Justice 3 hrs
- SOW 3104: Human Behavior and the Social 3 hrs
- Environment II 3 hrs
- SOW 3300: Practice I- Generalist Practice in Social Work 3 hrs
- Restricted Elective 3 hrs
- Free Elective 3 hrs

Junior Year - Spring 15 hrs
- SOW 3111: Human Behavior and the Social 3 hrs
- Environment II 3 hrs
- SOW 3352: Practice II- Interpersonal Skills in Social Work 3 hrs
- SOW 3401: Social Work Research 3 hrs
- SOW 3620: Culturally Competent Social Work Practice 3 hrs
- Free Elective 3 hrs

Junior Year - Summer 9 hrs
- SOW 3620: Culturally Competent Social Work Practice 3 hrs
- SOW 4433: Macro-Level Roles and Interventions in Social Work 3 hrs
- SOW Elective 3 hrs

Senior Year - Fall 18 hrs
- SOW 4232: Social Welfare Policies and Issues 3 hrs
- SOW 4341: Micro-Level Roles and Interventions in Social Work 3 hrs
- SOW 4343: Macro-Level Roles and Interventions in Social Work 3 hrs
- SOW 4730: Documentation in Social Work Practice 3 hrs
- Free Elective 3 hrs
UCF Degree Programs

Senior Year - Spring 12 hrs
For Full-time students ONLY: 12 hrs
SOW 4510 Field Education and 9 hrs
SOW 4522 Field Education Seminar 3 hrs

For Part-time students ONLY 7 hrs
SOW 4941 Internship and 5 hrs
SOW 4955 Part Time Field Education Seminar 2 hrs

Senior Year - Summer 5 hrs
For Part-time students ONLY: 7 hrs
SOW 4941 Internship or 4 hrs
SOW 4955 Part Time Field Education Seminar 1 hr

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning.compacts.htm

Sociology (B.A.)

College of Sciences
Department of Sociology
http://sociology.ucf.edu/
Email: sociology@ucf.edu
Dr. Elizabeth E. Mustaine, libby@ucf.edu
Phone: 407-823-3744

The Sociology degree, which may be completed online, face-to-face, or as a mix of online and face-to-face courses, has two major goals: 1) to promote undergraduate student excellence and 2) to advance career success for graduates by providing them with tangible, career-oriented skills. A dedicated faculty offers state-of-the-art courses that are relevant to current issues affecting our students’ lives and their future careers. Graduates are prepared for careers that require employees who think critically and have analytic and technical skills related to understanding crime, law, and deviance; medical sociology; diversity and inequalities; and/or mass culture and collective behavior. All students complete individual, original research projects. This degree program may be completed online, although not all elective options or program prerequisites may be offered online. Newly admitted students choosing to complete this program exclusively via UCF online classes may enroll with a reduction in campus-based fees. See http://ucf.edu/online for more information.

Admission Requirements
- None beyond admission to the university.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement: at least 30 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Sociology Department.
- Students must earn at least a “C” (2.0) or higher in each core course.
- Students must have at least a “C” (2.0) in each UCF course satisfying major requirements.
- Students must maintain a minimum cumulative GPA of 2.0 in all courses satisfying major requirements.
- Experiential Education credit cannot be used for credit in this major.
- Directed Independent studies, directed independent research, and internships must be approved by the Sociology department prior to enrollment.
- No more than 12 hours of directed independent study, directed independent research, and internship (course numbers 3905, 4906, 5907, 4912, 5917, 3940, & 4941) credit may be used for the major.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Students should consult annually with a departmental advisor.

- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   Math: 3 hrs
   A satisfactory score in the Math Placement Test is required before enrolling in this course.
   - Choose MAC 1105 College Algebra 3 hrs

Statistics: 3 hrs
   - STA 2014C Principles of Statistics 3 hrs

D: Social Foundations (6 hrs)

- Political Science/Economics 3 hrs
- Select one listed course 3 hrs

Social Sciences 3 hrs
   - Required SYG 2000 Introduction to Sociology 3 hrs

E: Science Foundations (6 hrs)
   - 2. Common Program Prerequisites (CPP) (3 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information, including possible substitutions.

4. Core Requirements: Advanced Level (15 hrs)
   - SYA 3110 Social Theory 3 hrs
   - SYA 4300C Research Methods 4 hrs
   - SYA 4450 Data Analysis: Capstone 4 hrs
   - SYA 3400C Applied Social Statistics 4 hrs

5. Restricted Electives (27 hrs)
   - All courses with the prefixes SYA, SYD, SYG, SYO, or SYP, including special topics courses, count toward the restricted electives requirement.
   - 5000 level Graduate Courses may be taken by undergraduates with Consent of the Instructor.
   - Students may enroll for up to a total of 12 credit hours of Internship and/or Independent Study during their UCF undergraduate career. Arrangements for internships are coordinated by the Director of Department Undergraduate Program and require approval prior to beginning the work.

6. Capstone Requirements
   - Successful completion of Data Analysis (SYA 4450).

7. Foreign Language Requirements Admissions
   - Met by graduation requirement.

Graduation
- Proficiency equivalent to two semesters of college instruction in either a foreign language, or American Sign Language. Standardized examinations may be used to meet the requirement.

8. Electives
   - Select electives primarily from 3000 and 4000 level courses from within the Sociology Department, as well as from other departments.

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - A minimum of “C” (2.0) or better in each course used for the major.
    - Students must have at least a “C” (2.0) or better overall in the major.
For assessment purposes, students are required to take a standard exit exam, for which there is no credit or grade, toward the end of their final semester before graduation.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- Interested students who meet the requirements are encouraged to participate in the HIM program. Contact your advisor for information about the program.

Related Programs
- Anthropology
- Communication & Conflict
- Criminal Justice
- Political Science
- Psychology
- Social Sciences
- Women’s and Gender Studies

Certificates
- None

Related Minors
- None

Advising Notes
- Student majors are assigned a faculty advisor. To meet with your advisor, you should check their office hours or contact them via email or the department office phone to set up an appointment. If you do not know who your advisor is, contact the main office.

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information (e.g., syllabus, course catalog description).

Acceptable Substitutes for Transfer Courses
- SYG 2000 - Although the Common Program Prerequisites accepts any lower division sociology course, Introduction to Sociology must be taken because it is the basic course in Sociology.

Plan of Study
- This is one of numerous possible plans of study. See program description for all requirements.
- Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.
- Prior to enrolling in Math, take Math Placement Test — http://utc.sdes.ucf.edu

Freshman Year - Fall 16 hrs
- SYG 2000 Introduction to Sociology 3 hrs
- ENC 1101 Composition I 3 hrs
- Foreign Language 4 hrs
- GEP 3 hrs
- GEP- Math 3 hrs

Freshman Year - Spring 16 hrs
- ENC 1102 Composition II 3 hrs
- STA 2014C Principles of Statistics 3 hrs
- Foreign Language 4 hrs
- Free Elective 3 hrs
- GEP 3 hrs

Sophomore Year - Fall 15 hrs
- GEP 3 hrs
- GEP 3 hrs
- Restricted Elective 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs

Sophomore Year - Spring 16 hrs
- SYA 3110 Social Theory 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- Restricted Elective 4 hrs
- Free Elective 3 hrs

Junior Year - Fall 14 hrs
- SYA 4300C Research Methods 4 hrs
- SYA 3400C Applied Social Statistics 3 hrs
- Restricted Elective 3 hrs
- GEP 3 hrs

Junior Year - Spring 14 hrs
- SYA 4450 Data Analysis: Capstone 4 hrs
- Free Elective 3 hrs
- Free Elective 4 hrs
- Restricted Elective 3 hrs

Senior Year - Fall 15 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs

Senior Year - Spring 14 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Free Elective 2 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oelas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $5 per term
- Full-Time Student: $10 per term

Spanish (B.A.)
College of Arts and Humanities
Department of Modern Languages and Literatures,
Colbourn Hall, Room: 519
http://mll.cah.ucf.edu/
Dr. Francisco Fernandez-Rubiera, Rubiera@ucf.edu

Placement in language courses is based on one year of high school language being equivalent to one semester of college work. For example, four years of high school Spanish place the student in the first semester of the third year. Native Spanish speakers, near-native Spanish speakers, or students who have received advanced education abroad must substitute select classes.

Admission Requirements
- None

Degree Requirements
- 36 credits in Spanish must be taken at the 3000 level or above.
- At least 6 of the 36 Spanish credits must be at the 4000 level.
- At least 30 credit hours must be taken in Modern Language courses taught in Spanish.
- Students must earn at least a "C" (2.0) in each upper division Spanish course.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Modern Languages and Literatures.
UCF Degree Programs

- Language credit by exam will not be given in courses lower in level than those in which students are presently enrolled. Native speakers will be allowed Credit by Examination in literature courses only.
- Co-op or internship credit cannot be used in this major.
- Students must see their departmental advisor to obtain proper counseling and have their schedule approved before registering for courses in their major.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
   - **A: Communication Foundations** (9 hrs)
   - **B: Cultural & Historical Foundations** (9 hrs)
   - **C: Mathematical Foundations** (6 hrs)
   - **Math** 6 hrs
     - Suggested MGF 1106 Finite Mathematics or
     - Suggested MGF 1107 Explorations in Mathematics 3 hrs
   - **Statistics - Computers** 3 hrs
     - Select a course from GEP C.2 list
     - You may substitute a higher level math with appropriate scores on the Math Placement Test
   - **D: Social Foundations** (6 hrs)
   - **E: Science Foundations** (6 hrs)

2. Common Program Prerequisites (CPP)
   - See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

   - SPN 1120C Elementary Spanish Language and Civilization I 4 hrs
   - SPN 1121C Elementary Spanish Language and Civilization II 4 hrs
   - SPN 2200 Intermediate Spanish Language and Civilization I 3 hrs

   - May be met by proficiency test or completion of SPN 3234

3. Core Requirements: Basic Level (15 hrs)
   - SPN 3234 Advanced Directed Readings 3 hrs

4. Core Requirements: Advanced Level (15 hrs)
   - SPN 3300 Advanced Spanish Grammar and Composition 3 hrs
   - SPN 3420 Spanish Composition 3 hrs
   - SPN 3760 Advanced Spanish Oral Communication 3 hrs

   Select one of the following sequences of courses:
   - SPW 3100 Survey of Spanish Literature I and 3 hrs
   - SPW 3101 Survey of Spanish Literature II 3 hrs
   - or
   - SPW 3130 Survey of Latin-American Literature I and 3 hrs
   - SPW 3131 Survey of Latin-American Literature II 3 hrs

   - A native or near-native Spanish speaker must substitute an alternate upper division Spanish course in consultation with a departmental advisor.

5. Restricted Electives (21 hrs)
   - Select one linguistics course from the following
     - SPN 4801 Spanish Morphology 3 hrs
     - SPN 4800 The Syntax of Spanish 3 hrs
     - SPN 4780 Spanish Phonetics 3 hrs
     - SPN 4852 Bilingualismo 3 hrs
     - SPN 4850 Structure of the Spanish Language 3 hrs
   - **Spanish literature beyond the survey level** 3 hrs
   - Any 4000 level SPW course not already used in the major

   Select one Culture and Civilization 3 hrs
   - SPN 4510 Spanish Civilization and Culture 3 hrs
   - SPN 4520 Latin American Civilization and Culture 3 hrs

   **Additional Spanish electives** 12 hrs
   - Select any 3000, 4000, 5000 SPN, SPW, SPT courses not already used in the major. *Maximum of 9 hours of 5000 level courses accepted

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   - **Admissions**
     - Met by Graduation requirements.
   - **Graduation**
     - Met by Common Program Prerequisites.
   - **Electives**
     - Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

8. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - Earn a grade of "C" (2.0) or higher in at least 36 credit hours of upper division Spanish courses.
    - Students are required to satisfactorily complete a departmental exit exam, entirely in Spanish. The exam is offered each September and February and students need the approval of their advisor to take the exam. Students should discuss the optimal test date with their advisor and the Spanish Section Director. Students may take the Spanish Exit Exam up to a maximum of two times. Students are eligible to take the exam after they complete the literature survey sequence and the linguistics requirement.
    - Exceptions must be approved by the student’s Spanish advisor and by the Spanish Section Director.
    - Computer Competency met by the following or equivalent:
      - CGS 1080C Introduction to Computers 3 hrs

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF.
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required 120

Honors In Major
- None

Related Programs
- French
- Certificate
- None

Related Minors
- French
- Italian
- Judaic Studies
- Latin American Area Studies
- Spanish

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated by the department chair for equivalency credit. The student must provide all supporting information.
- Native speakers, or students who have received advanced education in Spanish-speaking societies, may not take lower division Spanish courses. They must substitute Third-year level composition and conversation courses.

Acceptable Substitutes for Transfer Courses
- None
Plan of Study

- One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new, or more appropriate selections.

Freshman Year - Fall 16 hrs
- ANT 2000 General Anthropology 3 hrs
- ENC 1101 Composition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- SPN 1120C Elementary Spanish Language and Civilization I 4 hrs
- Elective / Minor 3 hrs

Freshman Year - Spring 14 hrs
- ENC 1102 Composition II 3 hrs
- STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
- SPN 1121C Elementary Spanish Language and Civilization II 4 hrs
- Elective / Minor 4 hrs

Sophomore Year - Fall 15 hrs
- AMH 2010 U.S. History: 1492-1877 3 hrs
- ARH 2050 History of Western Art I 3 hrs
- POS 2041 American National Government 3 hrs
- PSC 1121 Physical Science 3 hrs
- SPN 2200 Intermediate Spanish Language and Civilization I 3 hrs

Sophomore Year - Spring 15 hrs
- BSC 1005 Biological Principles 3 hrs
- MUL 2010 Enjoyment of Music 3 hrs
- COM 1000 Introduction to Communication 3 hrs
- SPN 3234 Advanced Directed Readings 3 hrs
- Elective / Minor 3 hrs

Junior Year - Fall 15 hrs
- SPN 3300 Advanced Spanish Grammar and Composition 3 hrs
- SPN 3420 Spanish Composition 3 hrs
- SPN 3760 Advanced Spanish Oral Communication 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs

Junior Year - Spring 15 hrs
- SPW 3101 Survey of Spanish Literature II 3 hrs
- SPN 4780 Spanish Phonetics 3 hrs
- SPN 3141 Business Spanish II 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs

Senior Year - Fall 15 hrs
- SPW 3100 Survey of Spanish Literature I 3 hrs
- SPN 4510 Spanish Civilization and Culture 3 hrs
- SPN 5705 Introduction to Spanish Linguistics 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs

Senior Year - Spring 15 hrs
- SPW 3101 Survey of Spanish Literature II 3 hrs
- SPN 4604 Cervantes 3 hrs
- SPN 4410 Advanced Spanish Conversation 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/aic/academic_learning_compacts.htm

SPORT AND EXERCISE SCIENCE (B.S.)
College of Education and Human Performance
Department of Educational and Human Sciences,
Education Building, Room: 209
http://education.ucf.edu/sportsexscience
Email: SESadvising@ucf.edu
Dr. David Fukuda, David.Fukuda@ucf.edu
Phone: 407-823-0623

The Sport and Exercise Science B.S. program offers students the option of two tracks, Coaching and Human Performance, offered at the Orlando campus. The Coaching track is appropriate for students interested in coaching at all levels of competition, in a variety of sports, including strength and conditioning. Students are provided with a combination of course content as well as practical field and laboratory experiences. The Coaching Track includes coursework leading to partial fulfillment of the Athletic Coaching Endorsement. Full eligibility for the endorsement may require additional criteria outlined by the Florida Department of Education (FLDOE). For further information regarding the Athletic Coaching Endorsement, visit http://www.fldoe.org/edcert The Human Performance track is appropriate for students interested in pursuing careers in sport science, health promotion, medicine, wellness, sports medicine, and allied health (i.e. physical therapy, occupational therapy, and cardiac rehabilitation). Students who may be continuing on to graduate school in a clinical or medical area should consider pre-requisites for graduate school when choosing certain classes. Students are advised to check the Graduate Program's website for updated information, as well as the Undergraduate Catalog for appropriate General Education courses.

Admission Requirements
- Complete the University General Education Requirements or its equivalent, i.e. an AA degree from a Florida College System or State University System institution.
- Have a minimum 2.5 overall GPA.
- Complete program prerequisite courses prior to admission to the major and upper level courses.
- Meet the Gordon Rule requirement
- Meet the Foreign Language Admission requirement

Degree Requirements
- Students should consult with an advisor on a regular basis.
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should see an advisor prior to selecting this major, and at least every semester thereafter.
- Students must earn at least a "C" (2.0) in each required course and maintain an overall GPA of at least 2.5.
- All pre-requisites for courses taught within the Sport and Exercise Science program will be enforced and a required grade of "C" (2.0) or better must be reflected on the degree audit.
- Students must meet with their advisor prior to enrollment in Sport and Exercise Science Practicum to complete the departmental application and approval process.

1. UCF General Education Program (GEP) (37 hrs)

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPE 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- General Education Program elective from section B1 to meet Gordon Rule Requirement

Select 1:
- Prefer MUL 2010 Enjoyment of Music or 3 hrs
- Prefer THE 2000 Theatre Survey or 3 hrs
- Prefer PHI 2010 Introduction to Philosophy 3 hrs
- General Education Program elective: Prefer a second course from GEP section B1

C: Mathematical Foundations (6 hrs)

Select 1:
- Prefer MGF 1106 Finite Mathematics or 3 hrs
- Prefer MAC 1114C College Trigonometry 3 hrs

Select 1:
- Prefer STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
- Prefer STA 2023 Statistical Methods I 3 hrs

UNIVERSITY OF CENTRAL FLORIDA 329 Undergraduate Catalog 2016-2017
## UCF Degree Programs

### A. Track 1 - Coaching 24 hrs

- **Select one of the following tracks**
  - **Science:**
    - Core Requirements for Sport and Exercise Science
      - **3. Core Requirements: Basic Level**
        - **Core Requirements for Sport and Exercise Science**
          - **Science:**
            - Required: BSC 2010C Biology I (4 hrs)
            - Prefer: POS 2041 American National Government (3 hrs)
            - Prefer: PSY 2012 General Psychology (3 hrs)
            - Select 1: 3 hrs
            - Select 1: 4 hrs
            - Select 1: 3 hrs
            - Required: BSC 2010C Biology I (GEP)
            - Select preferred electives with advisor approval. A minimum of nine (9) hours must be selected from the list below:
              - PET 4083 Personal Training Methods (3 hrs)
              - PET 4710 Methods for Physical Activity for Children and Adolescents (3 hrs)
              - PET 3765 Coaching Theory (3 hrs)
              - PET 4763 Coaching Methods And Principles (3 hrs)
              - PET 3771 Strength and Conditioning Concepts (3 hrs)
              - PET 4215 Motivational Aspects of Athletic Performance (3 hrs)
              - SPM 3204 Sports and Ethics (3 hrs)
              - SPM 4723 Legal Issues in Sport and Exercise Science (3 hrs)
              - PET 4552 Exercise Prescription for Special Populations (3 hrs)
              - PET 4143 Current Issues & Trends in Sport and Exercise Science (3 hrs)
              - PET 3125 Fitness and Health Promotion (3 hrs)
              - PET 4088 Physical Activity & Preventive Medicine (3 hrs)
              - PET 3820 Teaching Sports Skills I (3 hrs)
              - SPM 3504 Fiscal and Facilities: Issues in Sport and Exercise Science (3 hrs)
              - BSC 2011C Biology II (4 hrs)
              - CHM 2045C Chemistry Fundamentals I (4 hrs)
              - CHM 2046 Chemistry Fundamentals II (3 hrs)
              - PHY 2053C College Physics I (4 hrs)
              - PHY 2054C College Physics II (4 hrs)
              - HSC 3110 Medical Self Assessment (3 hrs)
              - HSC 3537 Medical Terminology (3 hrs)
              - HSC 3147 Introduction to Pharmacology (3 hrs)
              - APK 3400 Sports Psychology (3 hrs)
              - PET 4312C Kinesiology/Biomechanics (3 hrs)
              - PET 4325 Functional Kinesiology for Sport and Exercise Science (3 hrs)
            - Select one of the following courses under electives if you intend to apply for the Athletic Coaching Endorsement with the FLDOE: PEO 3624, PEO 3644, PEO 3324, PEO 3514 or PEO 3341. For further information regarding the Athletic Coaching Endorsement, visit http://www.fldoe.org/edcert/.
            - Select one of the following courses under electives if you intend to apply for the Athletic Coaching Endorsement with the FLDOE: PEO 3624, PEO 3644, PEO 3324, PEO 3514 or PEO 3341. For further information regarding the Athletic Coaching Endorsement, visit http://www.fldoe.org/edcert/.
          - **5. Restricted Electives** (25 hrs)
            - Students have the opportunity to add learning experiences by earning a double major or minor. In addition, many students will use these electives to take the required courses necessary for graduate studies, for example in medicine, physical therapy and other allied health graduate programs.
            - Courses are required to be 2000 level or higher.
            - Courses completed and already used to satisfy General Education Program, Basic Level, Advanced Level and selected Track requirements may not be used to meet the Restricted Elective requirement.

### B. Track 2 - Human Performance 24 hrs

- **Select one of the following tracks**
  - **Science:**
    - Core Requirements for Sport and Exercise Science
      - **3. Core Requirements: Basic Level**
        - **Core Requirements for Sport and Exercise Science**
          - **Science:**
            - Required: BSC 2010C Biology I (4 hrs)
            - Prefer: POS 2041 American National Government (3 hrs)
            - Prefer: PSY 2012 General Psychology (3 hrs)
            - Select 1: 3 hrs
            - Select 1: 4 hrs
            - Select 1: 3 hrs
            - Required: BSC 2010C Biology I (GEP)
            - Select preferred electives with advisor approval. A minimum of nine (9) hours must be selected from the list below:
              - PET 4083 Personal Training Methods (3 hrs)
              - PET 4710 Methods for Physical Activity for Children and Adolescents (3 hrs)
              - PET 3765 Coaching Theory (3 hrs)
              - PET 4763 Coaching Methods And Principles (3 hrs)
              - PET 3771 Strength and Conditioning Concepts (3 hrs)
              - PET 4215 Motivational Aspects of Athletic Performance (3 hrs)
              - SPM 3204 Sports and Ethics (3 hrs)
              - SPM 4723 Legal Issues in Sport and Exercise Science (3 hrs)
              - PET 4552 Exercise Prescription for Special Populations (3 hrs)
              - PET 4143 Current Issues & Trends in Sport and Exercise Science (3 hrs)
              - PET 3125 Fitness and Health Promotion (3 hrs)
              - PET 4088 Physical Activity & Preventive Medicine (3 hrs)
              - PET 3820 Teaching Sports Skills I (3 hrs)
              - SPM 3504 Fiscal and Facilities: Issues in Sport and Exercise Science (3 hrs)
              - BSC 2011C Biology II (4 hrs)
              - CHM 2045C Chemistry Fundamentals I (4 hrs)
              - CHM 2046 Chemistry Fundamentals II (3 hrs)
              - PHY 2053C College Physics I (4 hrs)
              - PHY 2054C College Physics II (4 hrs)
              - HSC 3110 Medical Self Assessment (3 hrs)
              - HSC 3537 Medical Terminology (3 hrs)
              - HSC 3147 Introduction to Pharmacology (3 hrs)
              - APK 3400 Sports Psychology (3 hrs)
              - PET 4312C Kinesiology/Biomechanics (3 hrs)
              - PET 4325 Functional Kinesiology for Sport and Exercise Science (3 hrs)
            - Select one of the following courses under electives if you intend to apply for the Athletic Coaching Endorsement with the FLDOE: PEO 3624, PEO 3644, PEO 3324, PEO 3514 or PEO 3341. For further information regarding the Athletic Coaching Endorsement, visit http://www.fldoe.org/edcert/.
            - Select one of the following courses under electives if you intend to apply for the Athletic Coaching Endorsement with the FLDOE: PEO 3624, PEO 3644, PEO 3324, PEO 3514 or PEO 3341. For further information regarding the Athletic Coaching Endorsement, visit http://www.fldoe.org/edcert/.
          - **5. Restricted Electives** (25 hrs)
            - Students have the opportunity to add learning experiences by earning a double major or minor. In addition, many students will use these electives to take the required courses necessary for graduate studies, for example in medicine, physical therapy and other allied health graduate programs.
            - Courses are required to be 2000 level or higher.
            - Courses completed and already used to satisfy General Education Program, Basic Level, Advanced Level and selected Track requirements may not be used to meet the Restricted Elective requirement.

### 6. Capstone Requirements

- **Select one of the following tracks**
  - **PET 4901**
    - Capstone in Sport and Exercise Science (3 hrs)
    - PET 4926 Sport and Exercise Science Practicum or 9 hrs
  - **Take 3 additional electives in the program approved by the advisor**
    - During the final year of the program, students will complete Practicum requirements in an area that is specific to their desired career goals. In order to be placed into practicum, students will need to have a 2.75 GPA. These experiences will provide the student with actual professional experiences and practical hands-on application. The students will be working directly with a Practicum Site Supervisor in the organization and their UCF Faculty Supervisor. The UCF Faculty Supervisor will maintain periodic contact with the Practicum Site Supervisor to check performance status.
    - Students in the Practicum will be representing not only themselves while on site but also the Sport and Exercise Science Program, the College, and UCF. Therefore, professionalism in manner, ethics, job performance, and dress will be expected at all times. Should there be any question of the performance of the students during their practicum experience, they will be required to meet with their UCF Faculty Supervisor and their Faculty Advisor for a performance evaluation before returning to the Practicum site. The performance concerns will be addressed and a plan of action regarding expectations and improvements will be developed.
    - If the problems persist and the situation warrants, the students may be removed from their Practicum experience.

### 7. Foreign Language Requirements

- **Admissions**
  - (0-8 hrs.) State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)
UCF Degree Programs

Graduation
- None

8. Electives
- Restricted Electives as listed above.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- A minimum overall GPA of 2.5.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- Coaching
- Fitness Training

Advising Notes
- Students must meet with their advisor before enrolling each term.

Transfer Notes
- Courses transferred from private and out-of-state institutions must be evaluated for equivalency credit. The student must provide all documentation.

Acceptable Substitutes for Transfer Courses
- The following substitutions are acceptable if taken at a Florida College System institution:
  - BSC 1010C (4 credit hours with lab) will satisfy the BSC2010C Biology I requirement.
  - BSC 2085C OR BSC 2093C (4 credit hours with lab) will satisfy the ZOO 3736C Exercise Physiology Anatomy requirement.

Plan of Study
- The Coaching and Human Performance Tracks follow the same Plan of Study for the Freshman and Sophomore Semesters.

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- PSY 2012 General Psychology 3 hrs

Select 1:
- MUL 2010 Enjoyment of Music or 3 hrs
- THE 2000 Theatre Survey or 3 hrs
- PHI 2010 Introduction to Philosophy 3 hrs

Select 1:
- PSC 1121 Physical Science or 3 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs

Freshman Year - Spring
- BSC 2010C Biology I 4 hrs
- ENC 1102 Composition II 3 hrs
- POS 2041 American National Government 3 hrs

Select 1:
- MGF 1106 Finite Mathematics or 3 hrs
- MAC 1114C College Trigonometry 3 hrs

Sophomore Year - Fall
- GEP B1 Elective 3 hrs
- PET 3005 Introduction to Sport and Exercise Science 3 hrs
- Elective Courses (2000 level or higher) 6 hrs

Select 1:
- STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
- STA 2023 Statistical Methods I 3 hrs

Sophomore Year - Spring
- PET 3097 Health and Wellness 3 hrs
- GEP B3 Elective (Prefer course from section B1) 3 hrs
- Elective Course (2000 level or higher) 6 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

Coaching Track
Junior Year - Fall
- Elective Course (2000 level or higher) 3 hrs
- PET 3361 Nutrition and Metabolism in Sport and 3 hrs
- Exercise Science
- PET 3765 Coaching Theory 3 hrs
- ZOO 3736C Exercise Physiology Anatomy 4 hrs
- PET 4050C Motor Development and Learning 3 hrs

Junior Year - Spring
- Elective Course (2000 level or higher) 3 hrs
- APK 4110C Exercise Physiology 3 hrs
- ATR 4132 Human Injuries: Mechanisms & Prevention 3 hrs
- PET 3771 Strength and Conditioning Concepts 3 hrs
- PET 4215 Motivational Aspects of Athletic Performance 3 hrs

Junior Year - Summer
- Elective Courses (2000 level or higher) 4 hrs
- PET 4550C Assessment and Evaluation in Exercise Science 3 hrs

Senior Year - Fall
- SPM 4723 Legal Issues in Sport and Exercise Science 3 hrs
- Elective Course (2000 level or higher) 3 hrs
- PET 4763 Coaching Methods And Principles 3 hrs
- SPM 3204 Sports and Ethics 3 hrs

Select 1:
- PET 4325 Functional Kinesiology for Sport and Exercise Science or 3 hrs
- PET 4312C Kinesiology/Biomechanics 3 hrs

Senior Year - Spring
- PET 4901 Capstone in Sport and Exercise Science 3 hrs

Select 1:
- PET 4926 Sport and Exercise Science Practicum or 9 hrs
- Take 3 additional electives in the program approved by advisor

Human Performance Track
Junior Year - Fall
- Elective Course (2000 level or higher) 3 hrs
- PET 3381 Nutrition and Metabolism in Sport and 3 hrs
- Exercise Science
- PET 4050C Motor Development and Learning 3 hrs
- PET 4143 Current Issues & Trends in Sport and 3 hrs
- Exercise Science

Select 1:
- ZOO 3736C Exercise Physiology Anatomy or 4 hrs
- ZOO 3733C Human Anatomy 4 hrs

Junior Year - Spring
- Elective Course (2000 level or higher) 3 hrs
- PET 3771 Strength and Conditioning Concepts 3 hrs
- APK 4110C Exercise Physiology 3 hrs
- ATR 4132 Human Injuries: Mechanisms & Prevention 3 hrs
- PET 4215 Motivational Aspects of Athletic Performance 3 hrs

Junior Year - Summer
- Elective Courses (2000 level or higher) 4 hrs
- PET 4550C Assessment and Evaluation in Exercise Science 3 hrs

Senior Year - Fall
- Elective Course (2000 level or higher) 3 hrs
- PET 4088 Physical Activity & Preventive Medicine 3 hrs
- PET 4552 Exercise Prescription for Special Populations 3 hrs
- PET 3125 Fitness and Weight Management 3 hrs
UCF Degree Programs

Select 1: 3 hrs
PET 4325 Functional Kinesiology for Sport and Exercise Science (3 hrs)
PET 4312C Kinesiology/Biomechanics (3 hrs)

Senior Year - Spring 12 hrs
PET 4901 Capstone in Sport and Exercise Science (3 hrs)

Select 1: 9 hrs
PET 4926 Sport and Exercise Science Practicum or Take 3 additional electives in the program approved by advisor

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oecs.ucf.edu/alc/academic_learning_compacts.htm

Statistics (B.S.)
College of Sciences
Department of Statistics,
Computer Center II, Room: 212
http://statistics.cos.ucf.edu/
Email: statistics@ucf.edu
Dr. David Nickerson, 407-823-5528
Phone: 407-823-2289

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement: at least 15 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Statistics Department.
- Students must earn at least a "C" (2.0) in each course with a STA prefix.
- Students must achieve a minimum 2.0 cumulative GPA in all computer science and mathematics courses satisfying major requirements.
- Students must achieve a minimum cumulative GPA of 2.0 in all courses satisfying major requirements.
- Co-op or internship credit cannot be used in this major.
- Students should consult with a departmental advisor.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 1 (General Education Program) are generally spread over 4 years, and those designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- All statistics courses except the following, and those protected by Florida Common Course Numbering must be taken from, or approved by the Statistics Department at UCF.
- Certain courses must be selected in the GEP for this major bringing the total hours to more than 36.

A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (7 hrs)
  Required MAC 2311C Calculus with Analytic Geometry I (4 hrs)
  Required STA 2023 Statistical Methods I (3 hrs)
D: Social Foundations (6 hrs)
Economics 3 hrs
Prefer ECO 2013 Principles of Macroeconomics (3 hrs)

Social Sciences: Select one. 3 hrs
Required ANT 2000 General Anthropology or
Required PSY 2012 General Psychology or
Required SYG 2000 Introduction to Sociology (3 hrs)

E: Science Foundations (8 hrs)
Life Science: 4 hrs
  Required BSC 2010C Biology I (4 hrs)
Physical Science: 4 hrs
  Required CHM 2045C Chemistry Fundamentals I or
  Required PHY 2053C College Physics I (4 hrs)

2. Common Program Prerequisites (CPP) (11 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information, including some possible substitutes.

Complete two laboratory courses designed for science majors;
- The state of Florida requires Statistics majors to take two laboratory-based science courses designed for science majors. Students must complete 8 credits of the following courses, and depending on what was taken in the GEP, this requirement may already be satisfied.
  ■ Note: both semesters do not have to be in the same subject area.
  ■ Note: depending on which courses were taken in the GEP, this requirement could require between 0 and 8 credits to complete.

Select two semesters within the following;
- See Basic Core for details.

3. Core Requirements: Basic Level
- All courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken;

  Core: Required, satisfies the CPP
  COP 3223C Introduction to Programming with C (3 hrs)
  MAC 2311C Calculus with Analytic Geometry I and CPP
  MAC 2312 Calculus with Analytic Geometry II and CPP
  MAC 2313 Calculus with Analytic Geometry III and CPP
  STA 2023 Statistical Methods I and CPP

- and two semesters equivalent within the following:
  ■ These satisfy the requirement for two semesters equivalent of science courses with labs designed for majors.
  ■ or an alternate sequence,
  ■ These two semesters only count as one, and are considered as equivalent to the above course.

  4. Core Requirements: Advanced Level (40 hrs)
  - or
  BSC 2010C Biology I or CPP
  BSC 2011C Biology II or CPP
  PHY 2048C General Physics Using Calculus I or CPP
  PHY 2049C General Physics Using Calculus II (3 hrs)

  - or complete both
  ■ Lecture plus lab count as one semester.
  ■ or
  BSC 2010C Biology I (3 hrs)
  BSC 2011C Biology II (3 hrs)
  PHY 2048C General Physics Using Calculus I (3 hrs)
  PHY 2049C General Physics Using Calculus II (3 hrs)

  - and two semesters equivalent within the following:
  ■ These satisfy the requirement for two semesters equivalent of science courses with labs designed for majors.
  ■ or an alternate sequence,
  ■ These two semesters only count as one, and are considered as equivalent to the above course.

  4. Core Requirements: Advanced Level (40 hrs)
  - or
  BSC 2010C Biology I or CPP
  BSC 2011C Biology II or CPP
  PHY 2048C General Physics Using Calculus I or CPP
  PHY 2049C General Physics Using Calculus II (3 hrs)

  - or complete both
  ■ Lecture plus lab count as one semester.
  ■ or
  BSC 2010C Biology I (3 hrs)
  BSC 2011C Biology II (3 hrs)
  PHY 2048C General Physics Using Calculus I (3 hrs)
  PHY 2049C General Physics Using Calculus II (3 hrs)

  - and two semesters equivalent within the following:
  ■ These satisfy the requirement for two semesters equivalent of science courses with labs designed for majors.
  ■ or an alternate sequence,
  ■ These two semesters only count as one, and are considered as equivalent to the above course.

  4. Core Requirements: Advanced Level (40 hrs)
  - or
  BSC 2010C Biology I or CPP
  BSC 2011C Biology II or CPP
  PHY 2048C General Physics Using Calculus I or CPP
  PHY 2049C General Physics Using Calculus II (3 hrs)

  - or complete both
  ■ Lecture plus lab count as one semester.
  ■ or
  BSC 2010C Biology I (3 hrs)
  BSC 2011C Biology II (3 hrs)
  PHY 2048C General Physics Using Calculus I (3 hrs)
  PHY 2049C General Physics Using Calculus II (3 hrs)

  - and two semesters equivalent within the following:
  ■ These satisfy the requirement for two semesters equivalent of science courses with labs designed for majors.
  ■ or an alternate sequence,
  ■ These two semesters only count as one, and are considered as equivalent to the above course.
Select from the following courses; 4 hrs
MAS 3105  Matrix and Linear Algebra or
MAS 3106  Linear Algebra

Select from the following courses; 3 hrs
COT 3100C  Introduction to Discrete Structures or
MHF 3302  Logic and Proof in Mathematics

Select from the following courses; 12 hrs
STA 3096  Statistical Graphics or
STA 4173  Biostatistical Methods or
STA 4163  Theory of Interest or
STA 4184  Introduction to Derivative Markets or
STA 4186  Theory of Derivative Pricing or
STA 4222  Sample Survey Methods or
STA 4502  Nonparametric Statistical Methods or
STA 4504  Categorical Data Analysis or
STA 4654  Statistical Quality Control or
STA 4852  Applied Time Series

5. Restricted Electives (9 hrs)
- Select from upper division or graduate (5000 level), statistics, mathematics, or computer science courses.
- Selected courses in engineering or business may be used but must first be approved by the Statistics Department.
- The following courses cannot be used to satisfy this requirement:
  - MAC 2233  Concepts of Calculus 3 hrs
  - MAC 2253  Applied Calculus 3 hrs
  - MAC 2254  Applied Calculus II 3 hrs
  - MGF 4404  History of Mathematics 3 hrs
  - All MAE courses

6. Capstone Requirements
- None

7. Foreign Language Requirements
Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.
- The following courses from business may be used without prior approval by the Statistics Department.
  - ACG 2021  Principles of Financial Accounting 3 hrs
  - ACG 2071  Principles of Managerial Accounting 3 hrs
  - ECO 2023  Principles of Microeconomics 3 hrs
  - FIN 3403  Business Finance 3 hrs

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Students must earn at least a “C” (2.0) in each course with a STA prefix.
- Students must achieve a minimum 2.0 cumulative GPA in all computer science and mathematics courses satisfying major requirements.
- Students must achieve a minimum cumulative GPA of 2.0 in all courses satisfying major requirements.
- Take SOA Exam P (Probability) and report the score to the department.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residence at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Mathematics - Applied Track
- Mathematics Education

Certificates
- None

Related Minors
- Statistics
- Mathematics

Advising Notes
- It is the student’s responsibility to ensure they have satisfied course prerequisites before registering for a class.

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- The following substitutions are acceptable for Common Program Prerequisites if taken as part of the AA course work.
  - Computer Science: any COP programming language course will satisfy the CPP. However, the listed course is a prerequisite for Computer Sciences courses and still may need to be taken.
  - Biology: any 2 laboratory courses for majors with BSC, CHM, or PHY prefixes will satisfy the CPP. However the listed biology courses are also a core requirement and will need to be taken.
  - Statistics: although any STA 2XXX course will satisfy the CPP, the listed course is required in the program’s core and will still need to be taken.

Plan of Study (120 hrs)
- This is one of numerous possible plans of study.
- See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Prior to enrolling in Chemistry, take Chemistry Placement Test ~ http://knightsource.sdes.ucf.edu/placement
- Prior to enrolling in Math, take Math Placement Test ~ http://utc.sdes.ucf.edu
- Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

Freshman Year - Fall 13 hrs
MAC 2311C  Calculus with Analytic Geometry I 4 hrs
STA 2023  Statistical Methods I 3 hrs
ENC 1101  Composition I 3 hrs
GEP 3 hrs

Freshman Year - Spring 15 hrs
MAC 2312  Calculus with Analytic Geometry II 4 hrs
BSC 2010C  Biology I 4 hrs
ENC 1102  Composition II 3 hrs

Select one course: 4 hrs
CHM 2045C  Chemistry Fundamentals I or
PHY 2053C  College Physics I 4 hrs

Sophomore Year - Fall 16 hrs
MAC 2313  Calculus with Analytic Geometry III 4 hrs
STA 4163  Statistical Methods II 3 hrs
ECS 2013  Principles of Macroeconomics 3 hrs
GEP 3 hrs

Sophomore Year - Spring 15 hrs
STA 4164  Statistical Methods III 3 hrs
COP 3223C  Introduction to Programming with C 3 hrs
Core Course 4 hrs
UCF Degree Programs

Junior Year - Fall 15 hrs
STA 4321 Statistical Theory I 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Core Course 3 hrs
Core Course 3 hrs

Junior Year - Spring 16 hrs
STA 4322 Statistical Theory II 3 hrs
Core Course 3 hrs
Free Elective 3 hrs
Elective / Minor 3 hrs
Elective / Minor 3 hrs

Senior Year - Fall 15 hrs
STA 4102 Computer Processing of Statistical Data 3 hrs
COT 4500 Numerical Calculus 3 hrs
ENC 3241 Writing for the Technical Professional 3 hrs
Core Course 3 hrs
Elective / Minor 3 hrs
Take SOA EXAM P (Probability).

Senior Year - Spring 15 hrs
GEP 3 hrs
GEP 3 hrs
Elective / Minor 3 hrs
Elective / Minor 3 hrs
Elective / Minor 3 hrs

Program Academic Learning Compacts
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Technical Education and Industry Training (B.S.)
College of Education and Human Performance
Department of Child, Family and Community Sciences, Education Complex, Room: ED 123 N
http://education.ucf.edu/teched/
Dr. Jo Ann M. Whiteman, ED 123 N, JoAnn.Whiteman@ucf.edu, 407-823-5305

This program offers upper division courses via the World Wide Web. Students must complete all University-wide graduation requirements (general education, foreign language, Gordon Rule, etc.), some of which are not available via distributed learning. For more information, see http://distrib.ucf.edu/home.

Admission Requirements
- Complete the University General Education requirements or its equivalent, (i.e. an AA degree from an approved Florida College System or State University institution).
- Have a minimum 2.5 overall GPA
- Complete prerequisite courses
- Meet the Gordon Rule Requirement
- Meet Foreign Language Admission Requirement

Degree Requirements
- Students should consult with an Education advisor prior to registration.
- This degree is for students in adult Technical Education and Industry Training. Some students are full-time or part-time teachers in the public school sector, including middle schools, high schools, adult technical centers and community and state colleges. Some serve as technical education teachers with the Department of Corrections. Other program participants are retired military personnel who were technicians or trainers and now wish to become teachers or industry-specific trainers. All students have set a common goal of attaining a bachelor’s degree in an area that draws upon their experiences, interests, and expertise. This degree does not lead to initial teacher certification at the state level.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   Required ENC 1101 Composition I 3 hrs
   Required ENC 1102 Composition II 3 hrs
   Prefer SPC 1608 Fundamentals of Oral Communication

   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   D: Social Foundations (6 hrs)
   E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (9 hrs)
   EDF 2050 Introduction to the Teaching Profession 3 hrs
   EDF 2055 Introduction to Diversity for Educators 3 hrs
   EME 2040 Introduction to Technology for Educators 3 hrs

3. Core Requirements: Basic Level
   None

4. Core Requirements: Advanced Level (57 hrs)
   ADE 4382 Teaching Adult Learners in Technical Programs 3 hrs
   ECT 3062 Professional Roles of the Career & Technical Teacher 3 hrs
   ECT 3365 General Methods/Testing Evaluation in Career & Technical Education 3 hrs
   ECT 3367 Evaluation of Career & Technical Education Instruction 3 hrs
   ECW 3564 Special Populations in Career & Technical Education 3 hrs
   ECT 4004 Principles and Practices of Technical Education 3 hrs
   ECT 4184 Curriculum Development Techniques for Industry Training 3 hrs
   ECT 4384 Advanced Teaching Techniques for Career Education 3 hrs

Select 1:
   BTE 4410 Course Construction in Business Education 3 hrs
   ECW 3312 Course Construction in Health Occupations Education 3 hrs
   ECT 3371 Course Construction in Industrial Education 3 hrs

Technical Specialization Requirements (30 hrs)
- Students must complete an area of specialization through occupation-specific courses approved by advisor.

5. Restricted Electives (18 hrs)
Upper Division Electives 6 hrs
   - With advisor’s approval

Directed Field Experience 12 hrs
- The Technical Specialization must be satisfied and all courses must be completed prior to registering, through your advisor, for the Directed Field Experience. This supervised internship may be completed in an educational or industrial setting, or with the UCF program faculty assisting in teaching web-based courses.

6. Capstone Requirements
   None

7. Foreign Language Requirements
   Admissions
   - State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation
   None

8. Electives
   None

9. Additional Requirements
   None

10. Required Minors
    None

11. Departmental Exit Requirements
    - Achieve a minimum 2.5 GPA in all courses within the major.
12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (120 hrs)

Freshman Year - Fall 15 hrs
ENC 1101 Composition I 3 hrs
MGF 1106 Finite Mathematics 3 hrs
SPC 1808 Fundamentals of Oral Communication 3 hrs
Social Foundations Course (Prefer State General Education Core Course) 3 hrs
Cultural-Historical Foundations Course 3 hrs

Freshman Year - Spring 15 hrs
ENC 1102 Composition II 3 hrs
Select 1: 3 hrs
STA 1063C Basic Statistics Using Microsoft Excel or STA 2014C Principles of Statistics 3 hrs
Cultural-Historical Foundations Course (Prefer State General Education Core Course) 3 hrs
Cultural-Historical Foundations Course 3 hrs
Social Foundations Course 3 hrs

Sophomore Year - Fall 12 hrs
EDP 2005 Introduction to the Teaching Profession 3 hrs
EME 2040 Introduction to Technology for Educators 3 hrs
Technical Specialization Course 3 hrs
Science Foundations Course 3 hrs
Foreign Language Course (if needed) 4 hrs

Sophomore Year - Spring 12 hrs
EDP 2085 Introduction to Diversity for Educators 3 hrs
Technical Specialization Course 3 hrs
Technical Specialization Course 3 hrs
Science Foundations Course (Prefer State General Education Core Course) 3 hrs
Education Core Course) 3 hrs
Foreign Language Course (if needed) 4 hrs

Sophomore Year - Summer 6 hrs
ECW 3564 Special Populations in Career & Technical Education 3 hrs
Select 1: 3 hrs
ECW 3312 Course Construction in Health Occupations Education 3 hrs
ECT 3371 Course Construction in Industrial Education 3 hrs

Junior Year - Fall 15 hrs
ECT 3365 General Methods/Testing Evaluation in Career & Technical Education 3 hrs
Technical Specialization Courses 12 hrs

Junior Year - Spring 15 hrs
ECT 3062 Professional Roles of the Career & Technical Teacher 3 hrs
ECT 3367 Evaluation of Career & Technical Education Instruction 3 hrs
Technical Specialization Courses 9 hrs

Junior Year - Summer 6 hrs
ECT 4004 Principles and Practices of Technical Education 3 hrs
ECT 4184 Curriculum Development Techniques for Industry Training 3 hrs

Senior Year - Fall 12 hrs
ADE 4382 Teaching Adult Learners in Technical Programs 3 hrs
ECT 4384 Advanced Teaching Techniques for Career Education 3 hrs
Upper Division Electives 6 hrs

Senior Year - Spring 12 hrs
ECT 4941 Internship 12 hrs

Senior Year - Summer
- See advisor for certification details.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.o seas.ucf.edu/aic/academic_learning_compacts.htm

Theatre - Acting Track (B.F.A.)
College of Arts and Humanities
Department of Theatre,
Performing Arts Center, Room: T210A
http://theatre.cah.ucf.edu/
Email: theatre@ucf.edu
Be Boyd Coordinator, Belinda.Boyd@ucf.edu
Phone: 407-823-2862

The Bachelor of Fine Arts track in Acting is offered for students who, upon graduation, plan to pursue a specialized performance career in Acting. It provides the student with a thorough foundation in theatre complemented by very structured and intensive career preparation in all areas of acting. Class work is augmented with practical production experiences. Drawing upon the teachings of Stanislavski-based methodologies, as well as other successful practical acting techniques, the professional acting program offers an organic approach to performance training. The program begins with a focus on the fundamentals of acting: development of imagination, self-awareness, improvisation, voice production/diction and movement. During the first two years, the student also receives training in script analysis, singing and dance. The training then moves to an emphasis on characterization, character development and studio training/scene study. This practical study, drawn from the total range of dramatic literature, provides the student with performance experiences ranging from the classical to the contemporary, including verse and musical theatre. The program culminates with a professional internship where students are able to apply their education in a real world work environment. While most students choose to enter the workforce following graduation, the BFA is an excellent degree for students interested in pursuing graduate studies in theatre. Work within the BFA program requires energy and dedication; therefore, other part-time study or outside employment is very challenging. BFA standards are high, both for admission and for continuation in the program.

Admission Requirements
- The departmental faculty evaluates students desiring to become BFA majors via auditions and interviews. This should be completed the academic year prior to attending UCF. For more information visit the audition site online at http://www.theatre.ucf.edu. All BFA students are accepted on a “Provisional” basis their first year. Faculty will evaluate their work and decide whether or not the student may continue the program at the end of the first year.
- The Acting plan of study requires a Fall start for proper course sequencing. Students are not accepted to begin theatre courses in the Spring or Summer semesters.
UCF Degree Programs

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog. Students must follow the most recent department, internship and school student handbooks which are available at http://www.performingarts.cah.ucf.edu/theatre/resources.
- Students in this major must earn a “C” (2.0) or better in an “S” in each music or theatre course and maintain a 3.0 GPA for all courses required in the major and all courses taken in theatre; must not receive a negative evaluation in a regularly scheduled program review; and must not exhibit chronic unprofessional behavior. Failure to meet these standards will result in probation and/or dismissal from the program. Refer to the SPA Undergraduate Student Handbook- Theatre (http://www.performingarts.cah.ucf.edu/theatre/resources) for details on program standards.
- Departmental Residency Requirement consists of 60 semester hours of courses taken from the UCF Theatre Department.
- All BFA Acting majors are required to audition for all Fall and Spring productions and must accept the roles assigned. Students must be registered for the appropriate Theatre Participation course in the term in which they participate. Students need not take additional hours to satisfy practicum requirements. Once students have completed their production participation requirements, they may register for a “0” credit participation course to meet departmental registration requirements if they choose. Students may use additional participation credits as electives.
- The department will accept one credit of Theatre Participation coursework for students transferring into the program. Any additional transfer participation credits will count towards electives.
- Internships are subject to departmental approval and may not be fulfilled through participating on a UCF theatre production.
- Courses designated 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- Courses designated 1 (General Education Program) are taken throughout all four years.
- Co-op cannot be used in this major.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
      Math:
      Suggested MGF 1107 - Explorations in Mathematics or 3 hrs
      Suggested MGF 1106 - Finite Mathematics or 3 hrs
      You may substitute a higher level math with appropriate scores on the Math Placement Test.
   Statistics - Computers
      Select a course from GEP C.2 list
   D: Social Foundations (6 hrs)
   E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (20 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   1 THE 2020 - Survey of Theatre for Majors GEP
   1 THE 2305 - Script Analysis for Theatre 3 hrs
   THE 2892L - Theatre Participation - Management I 1 hr
   TPA 2200L - Theatre Participation-Production I 1 hr
   TPA 2110C - Acting I - Introduction 3 hrs
   1 TPA 2220 - Introduction to Technical Theatre 2 hrs
   TPA 2200L - Intro to Technical Theatre Lab 1 hr
   Theatre Electives (THE, TTP, TPA prefix) 9 hrs

3. Core Requirements: Basic Level (12 hrs)
   TPA 2240C - Makeup Techniques 2 hrs
   DAA 2200C - Ballet I 2 hrs
   TPA 2170C - Acting II - The Actor Prepares 3 hrs
   TPP 2710C - Voice Production I 2 hrs
   TPP 2190L - Theatre Participation-Performance I 1 hr

Select 1:
   DAA 2100C - Modern Dance I or 2 hrs
   DAA 2570C - Jazz Dance I 2 hrs

4. Core Requirements: Advanced Level (55 hrs)
   THE 3311 - Theatre History and Dramatic Literature I 3 hrs
   THE 3312 - Theatre History and Dramatic Literature II 3 hrs
   THE 3313 - Theatre History and Dramatic Literature III 3 hrs
   TPF 3310C - Directing for Theatre I 3 hrs
   TPP 3173C - Acting III - Building the Character 3 hrs
   TPP 4140C - Acting IV - Creating the Role 3 hrs
   TPP 4142C - Acting Verse 3 hrs
   TPP 4265C - Camera Acting 3 hrs
   TPF 3711C - Voice Production II 2 hrs
   TPF 3712C - Voice Production III 2 hrs
   TPF 4730C - Dialects 2 hrs
   TPF 3510C - Movement for the Actor I 2 hrs
   TPF 3513C - Movement for the Actor II 2 hrs
   TPF 4531C - Period Movement 2 hrs
   TPF 4512C - Stage Combat 2 hrs
   TPF 3257C - Musical Theatre Voice Techniques 2 hrs
   TPF 3258C - Musical Theatre Voice Styles 2 hrs
   TPF 4221 - Auditioning 3 hrs
   TPF 4223C - Theatre Careers for Performance 3 hrs
   TPF 4940L - Theatre Internship 6 hrs
   THE 4954 - Theatre Exit Critique 0 hrs

Select 1
   1 TPA 4298L - Theatre Participation-Production II or 1 hr
   THE 4093L - Theatre Participation-Management II or 1 hr
   TPF 4193L - Theatre Participation-Performance II 1 hr

1 See Transfer Notes for possible substitutions.

5. Restricted Electives (6 hrs)
   Any TPE, TTP, DAA, or DAP course taught by the Theatre Department, except THE 3006, and not already applied toward a program requirement. Independent Study, Undergraduate Research, and Honors in the Major courses taught by the Department of Theatre can also be used as electives. Exceptions must be approved by the Theatre Department Undergraduate Coordinator in advance. Courses with these prefixes not taught by the Department of Theatre cannot be used in this program.

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   Admissions
   - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
   Graduation
   - None

8. Electives
   - Variable

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - Earn a grade of “C” (2.0) or better in each Theatre course.
    - Maintain a Theatre GPA of “B” (3.0) or better.
    - Complete an Exit Survey, Exit Interview and Audit Check the semester prior to final semester of theatre classes.
    - Complete 93 theatre credits in addition to the GEP for a total of 129. Courses that count in the GEP cannot also count towards total theatre credits.

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Minimum of 60 theatre credits must be completed in residency at UCF.
Computer Competency met by a computer science course.

12. University Minimum Exit Requirements
A 2.0 UCF GPA
60 semester hours earned after CLEP awarded
48 semester hours of upper division credit completed
30 of the last 39 hours of course work must be completed in residency at UCF.
A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
129

Honors In Major
None

Related Programs
Art
Film
Music
Theatre Studies
Theatre - Musical Theatre Track

Certificates
None

Related Minors
Theatre
Dance
Art - Studio
Music
Film - Cinema Studies

Advising Notes
Students must consult with a departmental advisor every semester before registration. Students who do not consult with their departmental advisor will be placed on departmental probation. Repeated failure to consult with a department advisor may lead to release from the program.

Transfer Notes
Due to its conservatory nature, the BFA demands a closely integrated four-year curriculum. Although the program is not designated for transfer students, transfer students may audition and may be admitted, but they should consult with the Department Undergraduate Coordinator to evaluate their transfer credits and to estimate the length of their program of study. We encourage any student wishing to transfer to complete the General Education Program and the Common Program Prerequisites before transferring within the Florida College System or State University System.
Courses taken at Florida College System institutions may substitute for select upper division courses with permission of the department, although they will not count as upper division credits. University minimum upper division credit requirements must still be met.
Transfer students will be required to meet the departmental theatre participation requirement through participation on UCF productions.
Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
THE 2020 May use any introductory course. Some 3 hrs
students with a transfer substitution choose to take THE 2020 at UCF as a theatre elective.
THE 2305 May use any introductory Theatre Play or Script 3 hrs
Analysis class. Script Analysis for Film cannot substitute.
TPA 2200 and TPA 2200L may be substituted with any introductory Stagecraft course.
TPP 3310C Directing for Theatre I may be substituted with 3 hrs
TPP 2300 or any introductory Theatre Directing Course. Directing for Film cannot substitute.

Plan of Study

Freshman Year - Fall
THE 2020 Survey of Theatre for Majors 3 hrs
TPP 2710C Voice Production I 2 hrs
THE 2305 Script Analysis for Theatre 3 hrs
TPP 3510C Movement for the Actor I 2 hrs
General Education 3 hrs
General Education 3 hrs

Freshman Year - Spring
TPP 3711C Voice Production II 2 hrs
TPP 2110C Acting I - Introduction 3 hrs
TPP 3513C Movement for the Actor II 2 hrs
TPA 2248C Makeup Techniques 2 hrs
Theatre Participation 1 hr
General Education 3 hrs

Sophomore Year - Fall
TPP 3173C Acting II - Building the Character 3 hrs
TPP 2170C Acting II - The Actor Prepares 3 hrs
DAA 2200C Ballet 2 hrs
TPP 3712C Voice Production III 2 hrs
General Education 3 hrs

Sophomore Year - Spring
TPP 3173C Acting II - Building the Character 3 hrs
TPP 4221 Auditioning 3 hrs
THE 3312 Theatre History and Dramatic Literature II 3 hrs
TPP 3257C Musical Theatre Voice Techniques 2 hrs
General Education 3 hrs

Senior Year - Fall
TPP 4140C Acting IV - Creating the Role 3 hrs
TPP 4531C Period Movement 2 hrs
THE 3313 Theatre History and Dramatic Literature III 3 hrs
TPP 3310C Directing for Theatre I 3 hrs
General Education 3 hrs

Senior Year - Spring
TPP 4142C Acting Verse 3 hrs
Theatre Participation 1 hr
TPP 4223C Theatre Careers for Performance 3 hrs
General Education 3 hrs
General Education 3 hrs

Junior Year - Summer
TPP 4940L Theatre Internship 6 hrs

Senior Year - Fall
TPP 4265C Camera Acting 3 hrs
TPP 4730C Dialects 2 hrs
Theatre Elective 3 hrs
Theatre Elective 3 hrs
Theatre Participation 1 hr
General Education 3 hrs
THE 4954 Theatre Exit Critique 0 hrs
Audit Check

Senior Year - Spring
TPP 4512C Stage Combat 2 hrs
Theatre Elective 3 hrs
Theatre Elective 3 hrs
Theatre Participation 1 hr
General Education 3 hrs
Theatre Elective 3 hrs

Program Academic Learning Compacts
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.o eas.ucf.edu/aic/academic_learning_compacts.htm
The Bachelor of Fine Arts track in Design and Technology is offered for students who, upon graduation, plan to pursue a specialized career in professional theatre. It provides the student with a thorough foundation in theatre complemented by very structured and intensive career preparation in all areas of design and technology. Students can expect to work alongside faculty as design or technical assistants in their first two years and will be given the opportunity for technical leadership opportunities including, prop master, master carpenter, technical director, etc. Those who qualify and wish to pursue design areas can be offered design positions within the production season. The curriculum requires students to become proficient in design and technology related to scenery, costumes, lighting and sound through specified coursework. Students then select one or two areas of specialization where their production assignments will focus in their junior and senior years, thus giving each student practical experience as they build their professional portfolios. The program culminates with a professional internship where students are able to apply their education in a real world work environment. While most students choose to enter the workforce following graduation, the BFA is an excellent degree for students who are interested in pursuing graduate studies in theatre. Work within the BFA program requires energy and dedication; therefore, other part-time study or outside employment is very challenging. BFA standards are high, both for admission and for continuation in the program. Production assignments are regulated to serve the artistic growth of students thus coordinating production experience with classroom exploration.

Admission Requirements

- The departmental faculty evaluates students desiring to become BFA Design and Technology majors via portfolio reviews and interviews. This should be completed the academic year prior to attending UCF. For complete information visit the audition site online at http://www.theatre.ucf.edu. All BFA students are accepted on a “Provisional” basis their first year. Faculty will evaluate their work and decide whether or not the student may continue the program at the end of the first year.
- The Design and Technology plan of study requires a Fall start for proper course sequencing. Students are not accepted to begin theatre courses in the Spring or Summer semesters.

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog. Students must follow the most recent department, internship and school student handbooks which are available at http://www.performingarts.cah.ucf.edu/theatre/resources.
- Students in this major must earn a “C” (2.0) or better or an “S” in each music or theatre course and maintain a 3.0 GPA for all courses required in the major and all courses taken in theatre; must not receive a negative evaluation in a regularly scheduled program review; and must not exhibit chronic unprofessional behavior. Failure to meet these standards will result in probation and/or dismissal from the program. Refer to the SPA Undergraduate Student Handbook - Theatre (http://www.performingarts.cah.ucf.edu/theatre/resources) for details on program standards.
- Departmental Residency Requirement consists of 60 semester hours of courses taken from the UCF Theatre Department.

All BFA Design and Technology majors are required to participate in Fall and Spring productions and must accept the production positions as assigned. Students must be registered for the appropriate Theatre Participation course in the term in which they participate. Students need not take additional hours to satisfy practicum requirements. Once students have completed their production participation requirements, they may register for a “0” credit participation course to meet departmental registration requirements if they choose. Students may use additional participation credits as electives.
- The department will accept one credit of Theatre Participation coursework for students transferring into the program. Any additional transfer participation credits will count towards electives.
- Internships are subject to departmental approval and may not be fulfilled through participating on a UCF theatre production.
- Courses designated 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- Courses designated 1 (General Education Program) are taken throughout all four years.
- Co-op cannot be used in this major.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   Math:
   Suggested MGF 1106 Explorations in Mathematics or
   Suggested MGF 1107 Finite Mathematics or
   You may substitute a higher level math with appropriate scores on the Math Placement Test.

2. Common Program Prerequisites (CPP) (20 hrs)
   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

   1 The 2020 Survey of Theatre for Majors GE
   1 THE 2200C Theatre Design Basics 3 hrs
   1 THE 2210 Stagecraft I 3 hrs
   1 THE 2211 Stagecraft II 3 hrs
   1 THE 2211L Stagecraft II Lab 1 hr
   1 THE 2220C Stage Electronics 3 hrs
   1 TPP 2110C Acting I - Introduction 3 hrs
   1 TPP 2110 Stagecraft I 3 hrs
   1 TPP 2110 Stagecraft II 3 hrs

3. Core Requirements: Basic Level (20 hrs)
   ARH 2051 History of Western Art II GE
   PPA 2210L Stagecraft I Lab 1 hr
   PPA 2211L Stagecraft II Lab 1 hr
   PPA 2220C Stage Electronics 3 hrs
   PPA 2271C Theatre Rendering 3 hrs
   PPA 2320C Costume Construction 3 hrs
   PPA 2400C Theatre Design Basics 3 hrs
   PPA 2600 Stage Management: Introduction 3 hrs

4. Core Requirements: Advanced Level (53 hrs)
   THE 3311 Theatre History and Dramatic Literature I 3 hrs
   THE 3312 Theatre History and Dramatic Literature II 3 hrs
   THE 3313 Theatre History and Dramatic Literature III 3 hrs
   1 TPP 3310C Directing for Theatre I 3 hrs
   PPA 4288L Theatre Participation-Production I 1 hr
   PPA 3077C Scene Painting 3 hrs
   THE 4284 Period Costume, Architecture, and Decor I 3 hrs
   THE 4285 Period Costume, Architecture, and Decor II 3 hrs
   PPA 3195L Summer Theatre Studio/Design I 3 hrs
TPA 3197L Summer Theatre Studio/Tech/Design II 3 hrs
TPA 4250C CADD for Theatre 2 hrs
TPA 4251C Advanced CADD for Theatre 2 hrs
TPA 4401C Theatre Careers in Production 3 hrs
TPA 4086C Advanced Scenography 3 hrs
THE 4954 Theatre Exit Critique 0 hrs
TPP 4940L Theatre Internship 6 hrs

Select 3: 9 hrs
TPA 3060C Scenic Design for Theatre I or 3 hrs
TPA 3045C Costume Design for Theatre I or 3 hrs
TPA 3223C Lighting Design for Theatre I or 3 hrs
TPA 3265C Sound Design for Theatre I 3 hrs

1 See Transfer Notes for possible substitutes.

5. Restricted Electives
none

6. Capstone Requirements
none

7. Foreign Language Requirements
Admissions
Tw o years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
none

8. Electives
none

9. Additional Requirements
none

10. Required Minors
none

11. Departmental Exit Requirements
Earn a grade of "C" (2.0) or better in each Theatre course
Maintain a Theatre GPA of "B" (3.0) or better
Complete 93 theatre credits in addition to the GEP for a total of 129. Courses that count in the GEP cannot also count towards total theatre credits.
Minimum of 60 theatre credits must be completed in residency at UCF.
Computer Competency met by TPA 4250C, or a computer science course.

12. University Minimum Exit Requirements
A 2.0 UCF GPA
60 semester hours earned after CLEP awarded
48 semester hours of upper division credit completed
30 of the last 39 hours of course work must be completed in residency at UCF.
A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
129

Honors in Major
Honors in the Major is encouraged and supported but not required.

Related Programs
Art
Film
Music
Theatre Studies

Certificates
none

Related Minors
Theatre
Event Management
Performing Arts Administration
Dance
Art - Studio
Music
Film - Cinema Studies

Advising Notes
• Students must consult with a departmental advisor every semester before registration. Students who do not consult with their department advisor will be placed on departmental probation. Repeated failure to consult with a department advisor may lead to release from the program.

Transfer Notes
• Due to its conservatory nature, the BFA demands a closely integrated four-year curriculum. Although the program is not designated for transfer students, transfer students may audition and may be admitted, but they should consult with the Department Undergraduate Coordinator to evaluate their transfer credits and to estimate the length of their program of study. We encourage any student wishing to transfer to complete the General Education Program and the Common Program Prerequisites before transferring within the Florida College System or State University System.

• Courses taken at Florida College System institutions may substitute for select upper division courses with permission of the department, although they will not count as upper division credits. University minimum upper division credit requirements must still be met.

• Transfer students will be required to meet the departmental theatre participation requirement through participation on UCF productions.

• Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
Acceptable substitutes for common program prerequisites if taken prior to transferring to UCF:
THE 2020: May use any introductory course, however all students are encouraged to take THE 2020. Some students with a transfer substitution choose to take THE 2020 at UCF as a theatre elective.
THE 2305: May use any introductory Theatre Play or Script Analysis class. Script Analysis for Film cannot substitute. Stage Management students are encouraged to take this course at UCF.
TPA 2210 may be substituted with any introductory Stagecraft course. TPA 2210L will still need to be taken at UCF.
TPP 3310C Directing for Theatre I may be substituted with TPP 2300 or any introductory Theatre Directing Course. Directing for Film cannot substitute.
TPP 2110C Acting I- Introduction may be substituted with any introductory acting for theatre course.

Plan of Study
Freshman Year - Fall 16 hrs
THE 2020 Survey of Theatre for Majors 3 hrs
TPA 2210 Stagecraft I 3 hrs
TPA 2210L Stagecraft I Lab 1 hr
TPA 2000C Theatre Design Basics 3 hrs
TPA 2220C Stage Electronics 3 hrs
General Education 3 hrs

Freshman Year - Spring 15 hrs
TPA 4250C CADD for Theatre 2 hrs
TPA 2071C Theatre Rendering 3 hrs
TPA 2211 Stagecraft II 3 hrs
TPA 2211L Stagecraft II Lab 1 hr
TPA 2230C Costume Construction 3 hrs
THE 2305 Script Analysis for Theatre 3 hrs

Freshman Year - Summer 6 hrs
TPA 3195L Summer Theatre Studio/Tech/Design I 3 hrs
TPA 3197L Summer Theatre Studio/Tech/Design II 3 hrs

Sophomore Year - Fall 15 hrs
THE 3311 Theatre History and Dramatic Literature I 3 hrs
TPA 4251C Advanced CADD for Theatre 2 hrs
TPA 2290L Theatre Participation-Production I 1 hr
TPA 3077C Scene Painting 3 hrs
TPA 2600 Stage Management: Introduction 3 hrs
Theatre Elective 3 hrs
## UCF Degree Programs

### Theatre - Musical Theatre Track (B.F.A.)

**College of Arts and Humanities**

**Department of Theatre,**

**Performing Arts Center, Room: 210A**


Earl Weaver, earl.weaver@ucf.edu

Phone: 407-823-5158

The Bachelor of Fine Arts track in Musical Theatre is offered for students who, upon graduation, plan to pursue a specialized performance career on the musical theatre stage. It provides the student with a thorough foundation in theatre complemented by very structured and intensive career preparation in all areas of musical theatre. The Musical Theatre B.F.A. program offers a sequence of courses in acting, movement, voice, dance, music theory, and piano. Classwork is augmented with practical production experiences. Drawing upon a variety of acting, dance, and voice methodologies, the professional musical theatre performance program offers an organic approach to musical theatre performance training. The first two years focus on the fundamentals of music theory, piano, acting, ballet, jazz, and musical theatre voice, with an emphasis on the development of artist's instrument. During the junior and senior years, emphasis is placed on studio training, musical theatre scene study, and musical theatre repertoire. The program culminates with a professional internship where students are able to apply their education in a real world work environment. While most students choose to enter the work force following graduation, the BFA is an excellent degree for students interested in pursuing graduate studies in theatre. Work within the BFA program requires energy and dedication; therefore, other part-time study or outside employment is very challenging. BFA standards are high, both for admission and for continuation in the program.

### Admission Requirements

- The departmental faculty evaluates students desiring to become BFA majors via auditions and interviews. This should be completed the academic year prior to attending UCF. For complete information visit the audition site online at [http://www.theatre.ucf.edu](http://www.theatre.ucf.edu). All BFA students are accepted on a “Provisional” basis their first year. Faculty will evaluate their work and decide whether or not the student may continue the program at the end of the first year.

- The Musical Theatre program of study requires a Fall start for proper course sequencing. Students are not accepted to begin theatre courses in the Spring or Summer semesters.

### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog. Students must follow the most recent department, internship and school student handbooks which are available on the department website at [http://www.performingarts.cah.ucf.edu/theatre/resources](http://www.performingarts.cah.ucf.edu/theatre/resources). Students in this major must earn a “C” (2.0) or better or an “S” in each theatre course and maintain a 3.0 GPA for all courses required in the major and all courses taken in the Department. All BFA students are required to audition for all Fall and Spring productions and must accept the roles assigned. Students must be registered for the appropriate Theatre Participation course in the term in which they participate. Students need not take additional hours to satisfy practicum requirements. Once students have completed their production participation requirements, they may register for a “0” credit participation course to meet departmental registration requirements if they choose. Students may use additional participation credits as electives.

- The department will accept one credit of Theatre Participation coursework for students transferring into the program. Any additional transfer participation credits will count toward electives.

- Internships are subject to departmental approval and may not be fulfilled through participating on a UCF theatre program. Courses designated 2 (Common Program Prerequisites) are usually completed in the first 60 hours. Courses designated 1 (General Education Program) are taken throughout all four years.

- Co-op cannot be used in this major.

### Junior Year - Fall

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<td>Theatre History and Dramatic Literature II</td>
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<td>TPA 2110C</td>
<td>Acting I - Introduction</td>
<td>3 hrs</td>
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<td>TPA 4298L</td>
<td>Theatre Participation-Production II</td>
<td>1 hr</td>
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<tr>
<td>General Education</td>
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<td>3 hrs</td>
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<tr>
<td>ARH 2051</td>
<td>History of Western Art II</td>
<td>3 hrs</td>
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### Junior Year - Spring

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<td>THE 3313</td>
<td>Theatre History and Dramatic Literature II</td>
<td>3 hrs</td>
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<tr>
<td>General Education</td>
<td></td>
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<tr>
<td>THE 2925L</td>
<td>Theatre Participation - Management I</td>
<td>1 hr</td>
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<tr>
<td>General Education</td>
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<tr>
<td>ARH 2051</td>
<td>History of Western Art II</td>
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### Sophomore Year - Fall

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<tbody>
<tr>
<td>THE 3312</td>
<td>Theatre History and Dramatic Literature II</td>
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<tr>
<td>THE 2925L</td>
<td>Theatre Participation - Management I</td>
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### Sophomore Year - Spring

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<tr>
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<td>3 hrs</td>
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<td>General Education</td>
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<td>3 hrs</td>
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<td>General Education</td>
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### Senior Year - Fall

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<td>Theatre Elective</td>
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<tr>
<td>THE 4284</td>
<td>Period Costume, Architecture, and Decor I</td>
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<tr>
<td>TPA 3310C</td>
<td>Directing for Theatre I</td>
<td>3 hrs</td>
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<td>THE 4954</td>
<td>Theatre Exit Critique</td>
<td>0 hrs</td>
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<td>General Education</td>
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### Senior Year - Spring

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<td>TPA 4401C</td>
<td>Theatre Careers in Production</td>
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<tr>
<td>TPA 4940L</td>
<td>Theatre Internship</td>
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### Degree Requirements

- **Program Academic Learning Compacts**

  - Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oelas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oelas.ucf.edu/alc/academic_learning_compacts.htm)

### University of Central Florida
1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   Required THE 2020 Survey of Theatre for Majors 3 hrs
   Select one course from B.1 list 3 hrs
   Select one course from B.1 or B.2 list 3 hrs
   C: Mathematical Foundations (6 hrs)
   Math: 3 hrs
   Suggested MGF 1106 Finite Mathematics or 3 hrs
   Suggested MGF 1107 Explorations in Mathematics or 3 hrs
   May substitute a higher level math with appropriate scores on the Math Placement Test.
   Statistics - Computers 3 hrs
   Select a course from GEP C.2 list 3 hrs
   D: Social Foundations (6 hrs)
   E: Science Foundations (6 hrs)
   2. Common Program Prerequisites (CPP) (20 hrs)
   ■ See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   1 THE 2020 Survey of Theatre for Majors GEP
   1 THE 2305 Script Analysis for Theatre 3 hrs
   THE 2925L Theatre Participation - Management I 1 hr
   TPA 2290L Theatre Participation-Production I 1 hr
   1 TPA 2200 Introduction to Technical Theatre 2 hrs
   TPA 2200L Intro to Technical Theatre Lab 1 hr
   1 TPP 2110C Acting I - Introduction 3 hrs
   Theatre Electives (THE, TPP, TPA prefix) 9 hrs
   1 See Transfer Notes for possible substitutes.
   3. Core Requirements: Basic Level (25 hrs)
   MUT 1121 Music Theory and Musicanship I 4 hrs
   MUT 1122 Music Theory and Musicanship II 4 hrs
   MVK 1111 Class Piano I 1 hr
   MVK 1112 Class Piano II 1 hr
   DAA 2200C Ballet I 2 hrs
   DAA 2201C Ballet II 2 hrs
   DAA 2570C Jazz Dance I 2 hrs
   DAA 2571C Jazz Dance II 2 hrs
   DAA 2520C Tap Dance I 2 hrs
   TPP 2248C Makeup Techniques 2 hrs
   TPP 2170C Acting II - The Actor Prepares 3 hrs
   4. Core Requirements: Advanced Level (48 hrs)
   TPP 3173C Acting III - Building the Character 3 hrs
   TPP 4140C Acting IV - Creating the Role 3 hrs
   TPP 3251C Musical Theatre Monologue 2 hrs
   TPP 3252C Musical Theatre Scene Study 2 hrs
   THE 3240 Musical Theatre Survey 3 hrs
   THE 3311 Theatre History and Dramatic Literature I 3 hrs
   THE 3312 Theatre History and Dramatic Literature II 3 hrs
   TPP 2742C Estill for Musical Theatre - Craft 2 hrs
   TPP 3272C Estill for Musical Theatre - Artistry 2 hrs
   TPP 3743C Musical Theatre Applied/Studio Voice I 2 hrs
   TPP 3744C Musical Theatre Applied/Studio Voice II 2 hrs
   TPP 4269C MT Applied/Studio Voice III 2 hrs
   TPP 4270C MT Applied/Studio Voice IV 2 hrs
   TPP 4271C MT Applied/Studio Voice V 2 hrs
   TPP 4923C MT Applied/Studio Voice VI 2 hrs
   TPP 4940L Theatre Internship 6 hrs
   TPP 4220C Theatre Careers for Performance 3 hrs
   TPP 3310C Directing for Theatre I 3 hrs
   TPP 4180L Theatre Participation-Performance I 1 hr
   THE 4954 Theatre Exit Critique 0 hrs
   5. Restricted Electives
   ■ Any THE, TPA, TPP, DAA, or DAN course taught by the Theatre Department and not already applied toward a program requirement. Independent Study, Undergraduate Research and Honors in the Major courses taught by the Department of Theatre can also be used as electives. Exceptions must be approved in advance by the Theatre Department Undergraduate Coordinator. Courses with these prefixes not taught by the Department of Theatre cannot be used in this program.
   6. Capstone Requirements
   ■ None
   7. Foreign Language Requirements
   Admissions
   ■ Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
   Graduation
   ■ None
   8. Electives
   (variable)
   9. Additional Requirements
   ■ None
   10. Required Minors
   ■ None
   11. Departmental Exit Requirements
   ■ Earn a grade of “C” (2.0) or better in each Theatre course
   ■ Maintain a Theatre GPA of “B” (3.0) or better
   ■ Complete an Exit Survey, Exit Interview, and Audit Check the semester prior to final semester of theatre classes
   ■ Minimum of 60 theatre credits must be completed in residency at UCF
   ■ Complete 93 theatre credits in addition to the GEP for a total of 129. Courses that count in the GEP cannot also count towards total theatre credits.
   ■ Computer Competency met by STA 1063C or a computer science course.
   12. University Minimum Exit Requirements
   ■ A 2.0 UCF GPA
   ■ 60 semester hours earned after CLEP awarded
   ■ 48 semester hours of upper division credit completed
   ■ 30 of the last 39 hours of course work must be completed in residency at UCF.
   ■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
   ■ Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.
   Total Semester Hours Required
   ■ 129
   Honors In Major
   ■ None
   Related Programs
   ■ Film
   ■ Music
   ■ Theatre Studies
   Certificates
   ■ None
   Related Minors
   ■ Music
   ■ Film - Cinema Studies
   ■ Theatre
   ■ Dance
   Advising Notes
   ■ Students must consult with a departmental advisor every semester before registration. Students who do not consult with their department advisor will be placed on departmental probation. Repeated failure to consult with a departmental advisor may lead to release from the program.
   Transfer Notes
   ■ Due to its conservatory nature, the BFA demands a closely integrated four-year curriculum. Although the program is not designed for transfer students, transfer students may audition and may be admitted, but they should consult with the Department Undergraduate Coordinator to evaluate their transfer credits and to estimate the length of their program of study. We encourage any student wishing to transfer to complete the General Education Program and the Common Program Prerequisites before transferring within the Florida College System or State University System.
UCF Degree Programs

**Courses taken at Florida College System institutions** may substitute for select upper division courses with permission of the department, although they will not count as upper division credits. University minimum upper division credit requirement must still be met.

**Transfer students will be required to meet the departmental theatre participation requirement through participation on UCF productions.**

**Courses transferred from private and out-of-state schools must be evaluated for equivalency credit.** The student must provide all supporting information.

**Acceptable Substitutes for Transfer Courses**

- **Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:**
  - **THE 2020** May use any introductory course. Some students with a transfer substitution choose to take THE 2020 at UC as a theatre elective.
  - **THE 2305** May use any introductory Theatre Play or Script Analysis class. Script Analysis for Film cannot substitute.
  - **TPA 2200** May be substituted with any introductory Course taken at Florida College System institutions.
  - **TPP 3310C** Directing for Theatre I may be substituted with Stagecraft Course. Lab will still need to be taken.
  - **TPP 2110C** Acting I - Introduction may be substituted with any introductory acting for theatre course.

**Plan of Study**

**Freshman Year - Fall** 14 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>THE 2020</td>
<td>Survey of Theatre for Majors</td>
<td>3 hrs</td>
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<tr>
<td>DAA 2200C</td>
<td>Ballet I</td>
<td>2 hrs</td>
</tr>
<tr>
<td>THE 2305</td>
<td>Script Analysis for Theatre</td>
<td>3 hrs</td>
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<tr>
<td>General Education</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 2290L</td>
<td>Theatre Participation-Production I</td>
<td>1 hr</td>
</tr>
<tr>
<td>TPP 2742C</td>
<td>Estill for Musical Theatre - Craft</td>
<td>2 hrs</td>
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**Freshman Year - Spring** 16 hrs

<table>
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<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>TPP 2110C</td>
<td>Acting I - Introduction</td>
<td>3 hrs</td>
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<tr>
<td>DAA 2201C</td>
<td>Ballet II</td>
<td>2 hrs</td>
</tr>
<tr>
<td>General Education</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>TTP 3272C</td>
<td>Estill for Musical Theatre - Artistry</td>
<td>2 hrs</td>
</tr>
<tr>
<td>General Education</td>
<td></td>
<td>3 hrs</td>
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**Sophomore Year - Fall** 15 hrs

<table>
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<tbody>
<tr>
<td>MUT 1121</td>
<td>Music Theory and Musicianship I</td>
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<td>MKX 1112</td>
<td>Class Piano I</td>
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<td>TTP 2170C</td>
<td>Acting II - The Actor Prepares</td>
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<td>DAA 2570C</td>
<td>Jazz Dance I</td>
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<td>TPP 3743C</td>
<td>Musical Theatre Applied/Studio Voice I</td>
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<tr>
<td>THE 3240</td>
<td>Musical Theatre Survey</td>
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**Sophomore Year - Spring** 15 hrs

<table>
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<td>Music Theory and Musicianship II</td>
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<td>DAA 2571C</td>
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<td>THE 3311</td>
<td>Theatre History and Dramatic Literature I</td>
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<tr>
<td>TPP 3744C</td>
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**Junior Year - Fall** 15 hrs

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<tr>
<td>TPA 2248C</td>
<td>Makeup Techniques</td>
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<td>TTP 4259C</td>
<td>MT Applied/Studio Voice III</td>
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<td>TPP 3251C</td>
<td>Musical Theatre Monologue</td>
<td>2 hrs</td>
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<tr>
<td>General Education</td>
<td></td>
<td>3 hrs</td>
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<tr>
<td>THE 3312</td>
<td>Theatre History and Dramatic Literature II</td>
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**Junior Year - Spring** 16 hrs

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<td>TTP 4270C</td>
<td>MT Applied/Studio Voice IV</td>
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<td>TPP 3252C</td>
<td>Musical Theatre Scene Study</td>
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<td>TPA 2200</td>
<td>Introduction to Technical Theatre</td>
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**Junior Year - Summer** 6 hrs

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**Senior Year - Fall** 17 hrs

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<td>THE 4954</td>
<td>Theatre Exit Critique</td>
<td>0 hrs</td>
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<td></td>
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<td>TPP 4140C</td>
<td>Acting IV - Creating the Role</td>
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<td>TPP 4271C</td>
<td>MT Applied/Studio Voice V</td>
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<td>THE 2925L</td>
<td>Theatre Participation - Management I</td>
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**Senior Year - Spring** 15 hrs

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<td>3 hrs</td>
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<tr>
<td>TPP 4923C</td>
<td>MT Applied/Studio Voice VI</td>
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<td>Theatre Participation-Performance II</td>
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**Program Academic Learning Compacts**

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oaes.ucf.edu/alc/academic_learning_compacts.htm](http://www.oaes.ucf.edu/alc/academic_learning_compacts.htm)

**Equipment Fees**

- **Part-Time Student:** $45 per term
- **Full-Time Student:** $90 per term

**Theatre - Stage Management Track (B.F.A.)**

College of Arts and Humanities

Department of Theatre,
Performing Arts Center, Room: T210A

http://theatre.cah.ucf.edu/

Email: theatre@ucf.edu

Claudia Lynch, Coordinator, claudia.lynch@ucf.edu, 407-823-2862

The Bachelor of Fine Arts track in Stage Management is offered for students who, upon graduation, plan to pursue a specialized career as a Manager in the entertainment industry including Broadway, Regional Theatre, Touring, Special Events, etc. It provides the student with a thorough foundation in theatre complemented by very structured and intensive career preparation in both the art and the craft of theatrical stage management. Students spend the first year of the curriculum working within the structure of the laboratory classes to gain a thorough understanding of the structure, process, and craft skills. Within the first four semesters, those who qualify receive an assignment on a Stage Management team. The student Stage Managers work with the Faculty Directors to manage the rehearsal through performance process of all Department Productions. Stage Managers also have opportunities to work directly with our partner theatres within Orlando (ex. The Orlando Repertory Theatre) as part of the curriculum thus giving each student practical experience as they build their professional portfolios.

The curriculum requires students to become proficient in design, technology, and theatre management through specified coursework. In their advanced course work, student Stage Managers receive a thorough introduction to the collective bargaining agreements within Actor’s Equity Association. The program culminates with a professional internship where students are able to apply their education in a real world work environment. While most students choose to enter the workforce following graduation, the BFA is an excellent degree for students who are interested in pursuing graduate studies in all areas of theatre. Work within the BFA program requires energy and dedication; therefore, other part-time study or outside employment is very challenging. BFA standards are high, both for admission and for continuation in the program. Production assignments are regulated to serve the artistic growth of students thus coordinating production experience with class room exploration.

**Admission Requirements**

- The departmental faculty evaluates students desiring to become BFA Stage Management majors via portfolio reviews and interviews. This should be completed the
academic year prior to attending UCF. For complete information visit the audition site online at http://www.theatre.ucf.edu. All BFA students are accepted on a “Provisional” basis their first year. Faculty will evaluate their work and decide whether or not the student may continue the program at the end of the first year.

- The Stage Management plan of study requires a Fall start for proper course sequencing. Students are not accepted to begin theatre courses in the Spring or Summer semesters.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog. Students must follow the most recent department, internship and school student handbooks which are available at http://www.performingarts.cah.ucf.edu/theatre/resources.
- Students in this major must earn a “C” (2.0) or better or an “S” in each music or theatre course and maintain a 3.0 GPA for all courses required in the major and all courses taken in theatre; must not receive a negative evaluation in a regularly scheduled program review; and must not exhibit chronic unprofessional behavior. Failure to meet these standards will result in probation and/or dismissal from the program. Refer to the SPA Undergraduate Student Handbook- Theatre (http://www.performingarts.cah.ucf.edu/theatre/resources) for details on program standards.
- Departmental Residency Requirement consists of 60 semester hours of courses taken from the UCF Theatre Department.
- All BFA Stage Management majors are required to participate in Fall and Spring productions and must accept the production positions as assigned. Students must be registered for the appropriate Theatre Participation course in the term in which they participate. Students need not take additional hours to satisfy practicum requirements. Once students have completed their production participation requirements, they may register for a “0” credit participation course to meet departmental registration requirements if they choose. Students may use additional participation credits as electives.
- The department will accept one credit of Theatre Participation coursework for students transferring into the program. Any additional transfer participation credits will count towards electives.
- Internships are subject to departmental approval and/or dismissal from the program.

Required (36 hrs)

A: Communication Foundations (9 hrs)
- THE 2020 Survey of Theatre for Majors 3 hrs
B: Cultural & Historical Foundations (9 hrs)
- THE 2305 Script Analysis for Theatre 3 hrs
C: Mathematical Foundations (6 hrs)
- MGF 1106 Finite Mathematics or 3 hrs
- MGF 1107 Explorations in Mathematics 3 hrs
- or you may substitute a higher level math with appropriate scores on the Math Placement Test.

Statistics - Computers
- Select a course from GEP C.2 list 3 hrs

D: Social Foundations (6 hrs)
- Required PSY 2012 General Psychology 3 hrs
E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (20 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- THE 2020 Survey of Theatre for Majors GEP
- THE 2305 Script Analysis for Theatre 3 hrs
- THE 2925L Theatre Participation - Management I 1 hr
- TPA 2290L Theatre Participation-Production I 1 hr
- TTP 2110C Acting I - Introduction 3 hrs
- TPA 2210 Stagecraft I 3 hrs
- Theatre Electives [THE, TTP, TPA prefix] 9 hrs

3. Core Requirements: Basic Level (14 hrs)
- TPA 2210L Stagecraft I Lab 1 hr
- TPA 2200C Theatre Design Basics 3 hrs
- TPA 2600 Stage Management: Introduction 3 hrs
- TPA 2220C Stage Electronics 3 hrs
- TPA 2211 Stagecraft II 3 hrs
- TPA 2211L Stagecraft II Lab 1 hr

4. Core Requirements: Advanced Level (59 hrs)
- THE 3311 Theatre History and Dramatic Literature I 3 hrs
- THE 3312 Theatre History and Dramatic Literature II 3 hrs
- THE 3313 Theatre History and Dramatic Literature III 3 hrs
- TTP 3310C Directing for Theatre I 3 hrs
- TPA 4250C CAD for Theatre 2 hrs
- TPP 3103 Intermediate Acting 3 hrs
- TPA 4298L Theatre Participation-Production II 1 hr
- TPA 4298L Theatre Participation-Production II 1 hr
- TPA 3601 Stage Management: Techniques 3 hrs
- TPA 4602 Stage Management: Applications 3 hrs
- TPA 4604 Stage Management: Professional Practice 3 hrs
- TPA 4400 Theatre Management 3 hrs
- TPA 3195L Summer Theatre Studio/Tech/Design I 3 hrs
- TPA 3197L Summer Theatre Studio/Tech/Design II 3 hrs
- THE 4284 Period Costume, Architecture, and Decor I 3 hrs
- THE 4285 Period Costume, Architecture, and Decor II 3 hrs
- TPA 4401C Theatre Careers in Production 3 hrs
- THE 4954 Theatre Exit Critique 0 hrs
- TPF 4940L Theatre Internship 6 hrs
- Select 1: 3 hrs
  - TPA 3060C Scenic Design for Theatre I or 3 hrs
  - TPA 3045C Costume Design for Theatre I 3 hrs
- Select 1: 3 hrs
  - TPA 3223C Lighting Design for Theatre I or 3 hrs
  - TPA 3265C Sound Design for Theatre I 3 hrs

5. Restricted Electives
- None

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Earn a grade of “C” (2.0) or better in each Theatre course
- Maintain a Theatre GPA of “B” (3.0) or better
- Complete an Exit Survey, Exit Interview and Audit Check the semester prior to final semester of theatre classes.
- Complete 93 theatre credits in addition to the GEP for a total of 129. Courses that count in the GEP cannot also count towards total theatre credits.
UCF Degree Programs

- Minimum of 60 theatre credits must be completed in residency at UCF.
- Computer Competency met by TPA 4250C, or a computer science course.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 129

Honors In Major
- Honors in the Major is encouraged and supported but not required.

Related Programs
- Art
- Film
- Music
- Theatre Studies

Certificates
- None

Related Minors
- Theatre
- Event Management
- Performing Arts Administration
- Dance
- Art - Studio
- Music
- Film - Cinema Studies

Advising Notes
- Students must consult with a departmental advisor every semester before registration. Students who do not consult with their departmental advisor will be placed on departmental probation. Repeated failure to consult with a department advisor may lead to release from the program.

Transfer Notes
- Due to its conservatory nature, the BFA demands a closely integrated four-year curriculum. Although the program is not designated for transfer students, transfer students may audition and may be admitted, but they should consult with the Department Undergraduate Coordinator to evaluate their transfer credits and to estimate the length of their program of study. We encourage any student wishing to transfer to complete the General Education Program and the Common Program Prerequisites before transferring within the Florida College System or State University System.
- Courses taken at Florida College System institutions may substitute for select upper division courses with permission of the department, although they will not count as upper division credits. University minimum upper division credit requirements must still be met.
- Transfer students will be required to meet the departmental theatre participation requirement through participation on UCF productions.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
Acceptable substitutes for common program prerequisites if taken prior to transferring to UCF:
- THE 2020: May use any introductory course, however all students are encouraged to take THE 2020. Some students with a transfer substitution choose to take THE 2020 at UCF as a theatre elective.
- THE 2305: May use any introductory Theatre Play or Script Analysis class. Script Analysis for Film cannot substitute. Stage Management students are encouraged to take this course at UCF.
- TPA 2200 may be substituted with any introductory Stagecraft course. TPA 2200L will still need to be taken at UCF.
- TPP 3301C Directing for Theatre I may be substituted with TPP 2300 or any introductory Theatre Directing Course. Directing for Film cannot substitute.
- TPP 2110C Acting I- Introduction may be substituted with any introductory acting for theatre course.

Plan of Study

Freshman Year - Fall
- THE 2020 Survey of Theatre for Majors 3 hrs
- TPA 2210 Stagecraft I 3 hrs
- TPA 2210L Stagecraft I Lab 1 hr
- TPP 2110C Acting I- Introduction 3 hrs
- TPA 2220C Stage Electronics 3 hrs
- TPA 2600 Stage Management: Introduction 3 hrs

Freshman Year - Spring
- TPA 4250C CADD for Theatre 2 hrs
- TPA 2211 Stagecraft II 3 hrs
- TPA 2211L Stagecraft II Lab 1 hr
- THE 2305 Script Analysis for Theatre 3 hrs
- TPA 3601 Stage Management: Techniques 3 hrs
- General Education 3 hrs

Freshman Year - Summer
- TPA 3195L Summer Theatre Studio/Design I 3 hrs
- TPA 3197L Summer Theatre Studio/Design II 3 hrs

Sophomore Year - Fall
- TPA 2000C Theatre Design Basics 3 hrs
- THE 3311 Theatre History and Dramatic Literature I 3 hrs
- TPA 2290L Theatre Participation-Production I 1 hr
- TPP 3103 Intermediate Acting 3 hrs
- General Education 3 hrs
- General Education 3 hrs

Sophomore Year - Spring
- THE 3312 Theatre History and Dramatic Literature II 3 hrs
- TPA 4602 Stage Management: Applications 3 hrs
- THE 2925L Theatre Participation - Management I 1 hr
- General Education 3 hrs
- General Education 3 hrs
- General Education 3 hrs

Junior Year - Fall
- THE 3313 Theatre History and Dramatic Literature III 3 hrs
- TPA 4298L Theatre Participation-Production II 1 hr
- TPA 4604 Stage Management: Professional Practice 3 hrs
- General Education 3 hrs
- General Education 3 hrs

Select 1
- TPA 3060C Scenic Design for Theatre I or 3 hrs
- TPA 3045C Costume Design for Theatre I 3 hrs

Junior Year - Spring
Portfolio Review
- TPA 4401C Theatre Careers in Production 3 hrs
- General Education 3 hrs
- General Education 3 hrs
- TPA 4298L Theatre Participation-Production II 1 hr

Select 1
- TPA 3223C Lighting Design for Theatre I or 3 hrs
- TPA 3265C Sound Design for Theatre I 3 hrs

Junior Year - Summer
TPP 4940L Theatre Internship 6 hrs

Senior Year - Fall
- TPA 4400 Theatre Management 3 hrs
- THE 2428 Period Costume, Architecture, and Decor I 3 hrs
- TPP 3310C Directing for Theatre I 3 hrs
- TPA 4298L Theatre Participation-Production II 1 hr
- Theatre Elective 3 hrs
- THE 4954 Theatre Exit Critique Audit Check 0 hrs

UNIVERSITY OF CENTRAL FLORIDA
UCF Degree Programs

The Bachelor of Arts Degree is designed to offer a thorough foundation in theatre while providing flexibility and opportunity for interdisciplinary study with a required minor. The strength of this program is in the opportunity to combine theatre training with the secondary area of study to create career opportunities in theatre and the entertainment industry. Students find direct career paths and a boost in the job market through the combination of major and minor. Students are open to selecting any minor or second major offered within the University. Upon graduation, students choose to enter the job market or pursue advanced education with a skill set unique to their goals.

Admission Requirements

- The departmental faculty evaluates, via an interview, students who desire to become BA majors. For complete information visit http://www.theatre.ucf.edu.
- All students must submit three letters of recommendation, a resume, and transcripts of previous college work at the time of interview.
- Departmental scholarship applications are due by April 15 for returning students and are available on our department website. Scholarship applications for incoming students are available on our department website and are due at your interview appointment. Scholarship decisions are typically finalized in August prior to the Fall semester. Applications remain active for one year.

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students are required to complete a minor to graduate.
- Students who complete a double major fulfill the minor requirement automatically.
- Theatre grades of less than “C” (2.0) will not satisfy the major requirements or count towards total theatre credits.
- Students in this major must earn a “C” (2.0) or better or an “S” in each theatre course and maintain a 3.0 GPA for all courses required in the major and all courses taken in theatre; must not receive a negative evaluation in a regularly scheduled program review; and must not exhibit chronic unprofessional behavior. Failure to meet these standards will result in probation and/or dismissal from the program. Refer to the SPA Undergraduate Student Handbook - Theatre (http://www.performingarts.cah.ucf.edu/theatre/resources) for details on program standards.
- Students must consult with a departmental advisor each semester before registering. Students who do not consult with their departmental advisor will be placed on departmental probation which causes him/her to be ineligible for casting or other production positions. Repeated failure to consult with a departmental advisor may lead to release from the program.

Theatre Studies (B.A.)

College of Arts and Humanities
Department of Theatre,
Performing Arts Center, Room: T210A
http://theatre.cah.ucf.edu/
Email: theatre@cah.ucf.edu
Phone: 407-823-2862

The department will accept one credit of Theatre Participation coursework for students transferring into the program. Any additional transfer participation credits will count toward electives.

Students must follow the most recent department and school student handbooks which are available on the department website at http://www.performingarts.cah.ucf.edu/theatre/resources.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   Required THE 2020 Survey of Theatre for Majors
   Select one course from B.1 list
   Select one course from B.2 list
   C: Mathematical Foundations (6 hrs)
   Math:
   - 3 hrs
   - Suggested MGF 1106 Finite Mathematics or
   - Suggested MGF 1107 Explorations in Mathematics
   or
   - You may substitute a higher level math with appropriate scores on the Math Placement Test.

Statistics - Computers 3 hrs
Select a course from GEP C.2 list

D: Social Foundations (6 hrs)
E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (20 hrs)
   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   \(^1\)THE 2020 Survey of Theatre for Majors
   \(^1\)THE 2305 Script Analysis for Theatre
   \(^1\)THE 2925L Theatre Participation - Management I
   \(^1\)TPA 2290L Theatre Participation-Production I
   \(^1\)TPA 2220L Intro to Technical Theatre Lab
   \(^1\)TPP 2110C Acting I - Introduction
   \(^1\)THE 3313 Theatre History and Dramatic Literature I
   \(^1\)THE 3312 Theatre History and Dramatic Literature II
   \(^1\)THE 3313 Theatre History and Dramatic Literature III
   \(^1\)THE 4954 Theatre Exit Critique

3. Core Requirements: Basic Level
   None

4. Core Requirements: Advanced Level (13 hrs)
   THE 3311 Theatre History and Dramatic Literature I
   THE 3312 Theatre History and Dramatic Literature II
   THE 3313 Theatre History and Dramatic Literature III
   TPP 3310C Directing for Theatre I
   TPA 2200L Intro to Technical Theatre Lab
   THE 3314 Theatre History and Dramatic Literature IV
   THE 3315 Theatre History and Dramatic Literature V
   THE 4954 Theatre Exit Critique

UNIVERSITY OF CENTRAL FLORIDA
### UCF Degree Programs

#### Select 1: 1 hr
- **TPA 4298L** Theatre Participation-Production II or 1 hr
- **THE 4093L** Theatre Participation-Management II or 1 hr
- **TPP 4193L** Theatre Participation-Performance II 1 hr

1 See Transfer Notes for possible substitutes

#### 5. Restricted Electives (13 hrs)
- Any THE, TPA, TPP, DAA, or DAN course taught by the Theatre Department, except THE 3006, and not already applied toward a program requirement. Independent Study, Undergraduate Research and Honors in the Major courses taught by the Department of Theatre can also be used as electives. Exceptions must be approved in advance by the Theatre Department Undergraduate Coordinator. Courses with these prefixes not taught by the Department of Theatre cannot be used in this program.

#### 6. Capstone Requirements
- None

#### 7. Foreign Language Requirements

**Admissions**
- Met by graduation requirement

**Graduation**
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

#### 8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

#### 9. Additional Requirements
- None

#### 10. Required Minors
- Theater Studies BA students must complete a minor of at least 18 hours. See selected discipline for Minor requirements, information, and changes. University upper division credit hour requirements must be met. Students are discouraged from taking excess hours and should consider total credit hours required when selecting a minor. When no official minor is offered, students may complete an 18-credit-hour area of concentration when pre-approved by the Undergraduate Coordinator.

#### 11. Departmental Exit Requirements
- Earn a grade of “C” (2.0) or better in each Theatre course.
- Maintain a “B” (3.0) Theatre GPA or better.
- Write an Exit Critique of a UCF-affiliated production and pass each section evaluated the semester prior to final semester of theatre classes.
- Complete an Exit Survey and Exit Interview/Audit Check the semester prior to final semester of theatre classes.
- Minimum of 30 theatre credits must be completed in residence at UCF.

#### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

#### Total Semester Hours Required
- 120

**Honors in Major**
- None

**Related Programs**
- Art
- Film
- Music
- Theatre

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#### Certificates
- None

**Related Minors**
- Art - Studio
- Music
- Film - Cinema Studies
- Theatre
- Dance
- Event Management

**Advising Notes**
- None

**Transfer Notes**
- Lower level courses taken at Florida College System institutions may substitute for select upper division courses with permission of the department, although they will not count as upper division credits. University minimum upper division credit requirement must still be met.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

**Acceptable Substitutes for Transfer Courses**
- THE 2020 Survey of Theatre for Majors may be substituted with THE 2000 or any equivalent course. Some students with a transfer substitution choose to take THE 2020 Survey of Theatre for Majors at UCF as a theatre elective.
- THE 2305 Script Analysis for Theatre may use any introductory Theatre Play or Script Analysis class. Script Analysis for Film cannot substitute.
- TPP 2200 Introduction to Technical Theatre may be substituted with any introductory Stagecraft course.
- TPP 3310C Directing for Theatre I may be substituted with TPP 2300 or any introductory Theatre Directing course. Directing for Film cannot substitute.
- TPP 2110C Acting I - Introduction may be substituted with any introductory acting for theatre course.

#### Plan of Study

**Freshman Year - Fall**
- **15 hrs**
  - THE 2020 Survey of Theatre for Majors 3 hrs
  - TPA 2200L Introduction to Technical Theatre 3 hrs
  - General Education 3 hrs
  - ENC 1101 Composition I 3 hrs
  - General Education 3 hrs

**Freshman Year - Spring**
- **15 hrs**
  - THE 2305 Script Analysis for Theatre 3 hrs
  - TPA 2200L Intro to Technical Theatre Lab 1 hr
  - General Education 3 hrs
  - Theatre Elective 3 hrs
  - General Elective 3 hrs

**Sophomore Year - Fall**
- **16 hrs**
  - General Education 3 hrs
  - Theatre Elective 3 hrs
  - THE 2925L Theatre Participation - Management I 1 hr
  - General Education 3 hrs
  - General Education 3 hrs

**Sophomore Year - Spring**
- **15 hrs**
  - THE 3311 Theatre History and Dramatic Literature I 3 hrs
  - Theatre Elective 3 hrs
  - General Education 3 hrs
  - General Elective 3 hrs
  - General Education 3 hrs

**Junior Year - Fall**
- **13 hrs**
  - TPA 2290L Theatre Participation-Production I 1 hr
  - THE 3312 Theatre History and Dramatic Literature II 3 hrs
  - General Elective 3 hrs
  - General Education 3 hrs
  - General Education 3 hrs

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**UNIVERSITY OF CENTRAL FLORIDA**

346 Undergraduate Catalog 2016-2017
The World Languages Education - Spanish B.S. program offers students the option of two tracks: World Languages Education - Spanish Track and World Languages Education - Spanish Lifelong Learning Track (non-certification). The Education Track is appropriate for students interested in opportunities for employment with formal, K-12 schools that require certification. The Lifelong Learning Track is appropriate for students seeking opportunities for employment outside formal, K-12 schools that do not require certification.

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from a Florida College System or State University System institution.
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of "C-" (1.75) or better.
- Meet the Gordon Rule Requirement.
- Meet the foreign language admission requirement.
- Have a minimum 2.5 overall GPA
- Education Track: Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted). The Lifelong Learning Track is a non-certification program and does not require the General Knowledge Test.

Degree Requirements
- Students should see an advisor prior to registering for classes.
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.

Lifelong Learning Track (non-certification)

The Lifelong Learning Track requires 3 semester hours

Education Track

The Education Track is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. UCF General Education Program (GEP) (36 hrs)

- Students are advised to take the preferred courses.

A: Communication Foundations (9 hrs)
- Required: ENC 1101 Composition I 3 hrs
- Required: ENC 1102 Composition II 3 hrs
- Required: SPE 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- General Education Program course from Section B1 to meet Gordon Rule Requirement

Select 1:
- Prefer: MUL 2100 Enjoyment of Music or 3 hrs
- Prefer: THE 2100 Theatre Survey or 3 hrs
- Prefer: PHI 2100 Introduction to Philosophy 3 hrs

C: Mathematical Foundations (6 hrs)
- Prefer: MGF 1106 Finite Mathematics 3 hrs

D: Social Foundations (6 hrs)
- Prefer: STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
- Prefer: STA 2104C Principles of Statistics 3 hrs

E: Science Foundations (6 hrs)
- Prefer: PSC 1101 General Psychology 3 hrs

Select 1:
- Prefer: ANS 2511 The Human Species or 3 hrs
- Prefer: BSC 1005 Biological Principles 3 hrs

2. Common Program Prerequisites (CPP) (21 hrs)

- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

Select 1:
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs
- SPN 2201 Intermediate Spanish Language and Civilization II 3 hrs
- SPN 3300 Advanced Spanish Grammar and Composition 3 hrs
- SPN 3420 Spanish Composition 3 hrs
- SPW 3100 Survey of Spanish Literature I 3 hrs

1 In addition to this course, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.
2 SPW 3130 and SPW 3131 may substitute for SPW 3100 and SPW 3101

3. Core Requirements: Basic Level (3 hrs)

- Education Track requires 3 semester hours
- Lifelong Learning Track requires 6 semester hours
- Students should consult advisor regarding course options.

Education Track (3 hrs)

Select 1:
- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- SPN 2201 Intermediate Spanish Language and Civilization II CPP
- SPN 3300 Advanced Spanish Grammar and Composition CPP
- SPN 3420 Spanish Composition CPP
- SPW 3100 Survey of Spanish Literature I CPP

1 Courses taken at Florida College System institutions may substitute for select courses in Other Program Requirements with the permission of the department.
**UCF Degree Programs**

### Lifelong Learning Track

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>MHS 2330</td>
<td>Career Planning</td>
<td>3 hrs</td>
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**Select 1:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>EDF 2130</td>
<td>Child and Adolescent Development for Educators</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDP 2270</td>
<td>Adult Development &amp; Learning</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**4. Core Requirements: Advanced Level**

- Education Track requires 60 semester hours
- Lifelong Learning Track requires 57 semester hours

**Education Core Requirements**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDG 4410</td>
<td>Teaching Strategies and Classroom Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDF 4467</td>
<td>Learning Theory and Assessment</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TSL 4080</td>
<td>Theory and Practice of Teaching ESOL</td>
<td>3 hrs</td>
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<tr>
<td>RED 4043</td>
<td>Content Reading in Kindergarten through Grade 12</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EED 4242</td>
<td>Teaching Exceptional Students in Secondary Settings</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDF 4603</td>
<td>Analysis and Application of Ethical, Legal, and Safety Issues in Schools</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1. Pre-requisite for Internship I (Education Track)
2. Florida College System institution transfer students may substitute EEX 2010 to Special Education.

**Education Track Specialization Requirements**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLE 4333</td>
<td>Foreign Language Teaching in the Secondary School</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FLE 4314</td>
<td>Foreign Language Teaching in Elementary Schools</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPN 3760</td>
<td>Advanced Spanish Oral Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPW 3101</td>
<td>Survey of Spanish Literature</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPN 3344</td>
<td>Advanced Spanish Native Fluency I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPN 3345</td>
<td>Advanced Spanish Native Fluency II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPN 4520</td>
<td>Latin American Civilization and Culture</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1. Required prior to Internship I
2. SPW 3130 and SPW 3131 may substitute for SPW 3100 and SPW 3101.

**Upper Division Restricted Electives**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>SPN 4410</td>
<td>Advanced Spanish Conversation</td>
<td>3 hrs</td>
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<tr>
<td>SPN 4421</td>
<td>Advanced Spanish Composition</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPN 4510</td>
<td>Spanish Civilization and Culture</td>
<td>3 hrs</td>
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</table>

**Other Cognate Requirements**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>SPN 4852</td>
<td>Bilinguismo</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPN 4800</td>
<td>The Syntax of Spanish</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPN 4801</td>
<td>Spanish Morphology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Internship I**

- Program Internship I Prerequisites: EDG 4410, EDF 4467, FLE 4314, FLE 4333, and at least 50% of all required foreign language courses must be completed before doing Internship I with a minimum grade of "C-" or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.

**Internship II Block**

- At least 80% of all required foreign language courses and all methods courses must be completed with a letter grade of "C-" (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
- Passing scores on all sections [General Knowledge, Professional, and Subject Area (Spanish K-12)] of the Florida Teacher Certification Examination (FTCE) are required prior to entry into Internship II. Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.clinicalexperiences.education.ucf.edu.

**Lifelong Learning Track Specialization**

- Select preferred specialization courses with advisor approval. A minimum of nine (9) hours must be taken in the content area. Substitutions are allowed with advisor approval.
- A grade of "C-" (1.75) or better is required.
- Must have a total of 48 or more hours of upper level courses to graduate.

**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>SPN 3760</td>
<td>Advanced Spanish Oral Communication</td>
<td>3 hrs</td>
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<tr>
<td>SPW 3101</td>
<td>Survey of Spanish Literature</td>
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<td>3 hrs</td>
</tr>
<tr>
<td>FLE 4333</td>
<td>Foreign Language Teaching in the Secondary School</td>
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</tbody>
</table>

**Upper division electives (SPN 3/4XXX with advisor’s consent)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLE 4333</td>
<td>Foreign Language Teaching in the Secondary School</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FLE 4314</td>
<td>Foreign Language Teaching in Elementary Schools</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Other Requirements**

- Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.clinicalexperiences.education.ucf.edu.

**FLE 3940** Internship | 3 hrs

**ESE 4033C** Critical Issues and Trends in Secondary Education | 3 hrs

**Lifelong Learning Track Specialization**

- 39 hrs

**Requirements**

- Select preferred specialization courses with advisor approval. A minimum of nine (9) hours must be taken in the content area. Substitutions are allowed with advisor approval.
- A grade of "C-" (1.75) or better is required.
- Must have a total of 48 or more hours of upper level courses to graduate.

**Other Requirements**

- Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.clinicalexperiences.education.ucf.edu.

**FLE 3940** Internship | 3 hrs

**ESE 4033C** Critical Issues and Trends in Secondary Education | 3 hrs

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**UNIVERSITY OF CENTRAL FLORIDA**

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UCF Degree Programs

5. Restricted Electives
■ None
6. Capstone Requirements
■ None
7. Foreign Language Requirements
Admissions
■ State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation
■ None
8. Electives
■ None
9. Additional Requirements
■ None
10. Required Minors
■ None
11. Departmental Exit Requirements
■ Achieve a minimum 2.5 GPA in all courses within the major.
■ In courses throughout the program, you must upload key assignments to your LiveText Dashboard. These key assignments are then assessed by faculty. The resulting data provides evidence of your demonstrated professional growth, reflection, and proficiency in all Florida Educator Accomplished Practices. All teacher education candidates, lifelong learning majors and early childhood and development and education majors (all ECDE tracks) are required to complete all LiveText requirements in order to be cleared for graduation. http://livetext.education.ucf.edu/

Education Track
■ Pass all applicable sections of the Florida Teacher Certification Examination. Effective January 1, 2015, only examination results earned by educators within 10 years prior to the date of application for a new Florida Educator’s Certificate with the Florida Department of Education may be acceptable for certification eligibility requirements (SBE Rule 6A-4.002)

12. University Minimum Exit Requirements
■ A 2.0 UCF GPA
■ 60 semester hours earned after CLEP awarded
■ 48 semester hours of upper division credit completed
■ 30 of the last 39 hours of course work must be completed in residency at UCF.
■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
■ Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
■ 120

Honors In Major
■ None

Related Programs
■ None

Certificates
■ None

Related Minors
■ None

Advising Notes
■ None

Transfer Notes
■ None

Acceptable Substitutes for Transfer Courses
■ None

Plan of Study
■ Recommended Four Year Sequence of Courses

Freshman Year - Fall
12 hrs
GEP B1 Elective
ENC 1101 Composition I
MGF 1106 Finite Mathematics
PSY 2012 General Psychology

Freshman Year - Spring
12 hrs
GEP B3 Elective (Preferred course from section B1)
ENC 1102 Composition II
POS 2041 American National Government
PSC 1121 Physical Science

Freshman Year - Summer
6 hrs
SPN 2201 Intermediate Spanish Language and Civilization II

Select 1:
MUL 2010 Enjoyment of Music or
THE 2000 Theatre Survey or
PHI 2010 Introduction to Philosophy

Sophomore Year - Fall
15 hrs
EDF 2005 Introduction to the Teaching Profession
SPC 1608 Fundamentals of Oral Communication
SPN 3300 Advanced Spanish Language and Composition

Select 1:
STA 204C Principles of Statistics or
STA 1063C Basic Statistics Using Microsoft Excel

Education Track
EDF 2130 Child and Adolescent Development for Educators

Lifelong Learning Track
EDF 2130 Child and Adolescent Development for Educators
EDP 2270 Adult Development & Learning

Sophomore Year - Spring
12 hrs
EDF 2085 Introduction to Diversity for Educators
EME 2040 Introduction to Technology for Educators
SPN 3420 Spanish Composition

Select 1:
BSC 1005 Biological Principles or
ANT 2511 The Human Species

Sophomore Year - Summer
3 hrs
SPW 3100 Survey of Spanish Literature I

Junior Year - Fall
15 hrs
EDG 4410 Teaching Strategies and Classroom Management

Education Track
SPN 3344 Advanced Spanish Native Fluency I and
SPN 3760 Advanced Spanish Oral Communication
SPN 4520 Latin American Civilization and Culture

Lifelong Learning Track
Choose Lifelong Learning Specialization courses

Junior Year - Spring
12 hrs
EDF 4467 Learning Theory and Assessment
RED 4043 Content Reading in Kindergarten through Grade 12
TSL 4080 Theory and Practice of Teaching ESOL

Education Track
SPN 3345 Advanced Spanish Native Fluency II

Lifelong Learning Track
MHS 2330 Career Planning

UNIVERSITY OF CENTRAL FLORIDA

Undergraduate Catalog 2016-2017
## UCF Degree Programs

### Junior Year - Summer

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 4603</td>
<td>Analysis and Application of Ethical, Legal, and Safety Issues in Schools</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Education Track**

- FLE 4314: Foreign Language Teaching in Elementary Schools and 3 hrs
- FLE 4333: Foreign Language Teaching in the Secondary School 3 hrs

### Lifelong Learning Track

- Choose Lifelong Learning Specialization courses 6 hrs

1. This course may be taken in the Fall of the senior year with consent of Instructor.

### Senior Year - Fall

- EEX 4242: Teaching Exceptional Students in Secondary Settings 3 hrs

### Education Track

- FLE 3940: Internship 3 hrs

#### Select 1:

- SPN 4410: Advanced Spanish Conversation or 3 hrs
- SPN 4421: Advanced Spanish Composition or 3 hrs
- SPN 4510: Spanish Civilization and Culture 3 hrs

#### Select 1:

- SPN 4552: Bilingüismo or 3 hrs
- SPN 4800: The Syntax of Spanish or 3 hrs
- SPN 4801: Spanish Morphology 3 hrs

### Lifelong Learning Track

- Choose Lifelong Learning Specialization courses 9 hrs

### Senior Year - Spring

- Education Track 12 hrs

#### Education Track

- FLE 4941: Internship and 9 hrs

#### ESE 4036C

- Critical Issues and Trends in Secondary Settings 3 hrs

### Lifelong Learning Track

- Choose Lifelong Learning Specialization courses 12 hrs

### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees

- Part-Time Student: $12 per term
- Full-Time Student: $24 per term

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## Writing and Rhetoric (B.A.)

### College of Arts and Humanities

#### Department of Writing and Rhetoric,

#### Colbourn Hall, Room: 301-B


**Email:** writingandrhetoric@ucf.edu

Dr. Stephanie Vie, Director, Stephanie.Vie@ucf.edu, 407-823-1057

Adele Richardson, Program Advisor, Adele@ucf.edu, 407-823-0349

Dr. Marcy Galbreath, Program Advisor, Marcy.Galbreath@ucf.edu, 407-823-0745

The Bachelor of Arts degree in Writing and Rhetoric provides students with in-depth training in the interrelated fields of writing, rhetoric, and literacy studies, preparing them for a range of writing-focused jobs that involve the analysis, creation, editing, adaptation, and/or coordination of written, digital, and multimedia texts.

### Admission Requirements

- Students transferring with an AA or AS degree or who have completed their general education courses in composition elsewhere are strongly recommended to enroll in ENC 3314 (Writing & Rhetoric Foundations) as an advanced core requirement course in their first semester at UCF.

### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a “C+” (2.25) in each required course.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Writing and Rhetoric Department.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- Students must earn a minimum 2.5 GPA in coursework used to satisfy the major.

#### 1. UCF General Education Program (GEP) (36 hrs)

**A: Communication Foundations** (9 hrs)

- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

**B: Cultural & Historical Foundations** (9 hrs)

- Prefer PHI 2010 Introduction to Philosophy 3 hrs
- Select one course from B.1 list 3 hrs
- Select one course from B.2 list 3 hrs

**C: Mathematical Foundations** (6 hrs)

**D: Social Foundations** (6 hrs)

- Prefer AMH 2020 U.S. History: 1877-Present 3 hrs

**E: Science Foundations** (6 hrs)

#### 2. Common Program Prerequisites (CPP)

- ENC 1101 Composition I GEP
- ENC 1102 Composition II GEP

#### 3. Core Requirements: Basic Level (9 hrs)

- Students should take ENC 3331 and ENC 3502 as early in the program as possible. Students should take ENG 3836 in sophomore or junior year and prior to their Writing Practicum experience.
- ENC 3331 Rhetoric and Civic Engagement 3 hrs
- ENC 3502 Researching Writing and Literacy 3 hrs
- ENG 3836 Professional Lives and Literacy Practices 3 hrs

#### 4. Core Requirements: Advanced Level (6 hrs)

- Extending Theories and Histories of Writing, Rhetoric, and Literacy
- Students must take at least 6 hours from this category. Students should work with a departmental academic advisor to select courses that support the students’ intended career or path post-graduation.
- ENC 3315 Argumentative Writing 3 hrs
- ENC 3330 Rhetorical Traditions 3 hrs
- ENC 3373 Cultural Rhetorics 3 hrs
- ENC 3417 Literacy and Technology 3 hrs
- ENC 3503 Topics in Writing & Literacy Studies 3 hrs
- ENC 3521 Writing Across Difference 3 hrs
- ENC 4374 Gendered Rhetorics 3 hrs
- ENC 4443 Visual and Material Rhetorics 3 hrs
- ENC 4504 Contemporary Composition Theory 3 hrs

#### 5. Restricted Electives (18 hrs)

- Applications of Writing and Rhetoric
- Students must take at least 9 hours of courses from the Civic and Cultural Writing and Rhetoric and Professional and Digital Writing clusters; these 9 hours can come from either or both clusters. Students should work with a departmental academic advisor to select courses that support the students’ intended career or path post-graduation.
- ENC 3311 Essay as Cultural Commentary 3 hrs
- ENC 3372 Topics in Civic Rhetoric and Writing 3 hrs
- ENC 3375 Rhetoric in Popular Culture 3 hrs
- ENC 4353 Writing for Social Change 3 hrs
- ENC 4354 Writing with Communities and Nonprofits 3 hrs
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 4378</td>
<td>Writing in Global and Transnational Contexts</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 4523</td>
<td>Writing and Identity</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Professional and Digital Writing

- ENC 3250  | Professional Writing                             | 3 hrs |
- ENC 3351  | Writing for Publication                          | 3 hrs |
- ENC 3433  | Multimedia Writing and Composition               | 3 hrs |
- ENC 3453  | Writing About Health and Medicine                | 3 hrs |
- ENC 3454  | Topics in Professional and Digital Writing      | 3 hrs |
- ENC 3455  | Writing about Science and Technology             | 3 hrs |
- ENC 4212  | Professional Editing                             | 3 hrs |
- ENC 4416  | Writing in Digital Environments                  | 3 hrs |
- ENG 3833  | Marketing Your Writing                           | 3 hrs |
- LIN 3673  | Rhetorical Grammar                               | 3 hrs |

### Writing Practicums

- ENC 3473  | Writing in Disciplinary Cultures                 | 3 hrs |
- ENC 4275  | Theory and Practice of Tutoring Writing          | 3 hrs |
- ENC 4944  | Writing Internship                               | 3 hrs |

### Advised Electives

- Choose from any DWR 3000 or 4000 level courses not otherwise used to satisfy major requirements, and/or choose from among any approved upper-level, writing-intensive courses in another department.

### Capstone Requirements

- ENC 4379  | Writing and Rhetoric Capstone                    | 3 hrs |
- ENC 4950  | Writing ePortfolio                               | 0 hrs |

### 7. Foreign Language Requirements

#### Admissions
- Met by graduation requirement.

#### Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. Majors who are contemplating graduate school should complete two years of a foreign language.

### 8. Electives

- Select primarily from upper-level courses after meeting with a departmental advisor. Courses may be outside of the department.

### 9. Additional Requirements

- None

#### 10. Required Minors

- Students must complete a minor, certificate, or approved program of study (at least 18 hours minimum). A minor and/or certificate from the Department of Writing and Rhetoric cannot be used to satisfy this requirement.

- Can be a UCF minor or an interdisciplinary set of courses tailored to the student’s professional goals and approved by a program advisor.

- No more than 6 hours can overlap with courses used to satisfy the major.

### 11. Departmental Exit Requirements

- Students must complete an electronic writing portfolio (e-portfolio) that meets program requirements. This e-portfolio will be developed throughout the course of the students’ work in the major. Students must also enroll in ENC 4950 (Writing ePortfolio) during their final semester; their e-portfolio will be approved in this course for program-level graduation requirements.

- Computer competency met by completion of major.

- Maintain and achieve a minimum GPA of 2.5 in all courses used towards the major.

### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residence at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

#### Total Semester Hours Required

- 120

### Honors In Major

- Application and admission through the Writing and Rhetoric Degree Programs Office and the Burnett Honors College.
- Fulfill University requirements for Honors in the Major.
- Successful completion and oral defense of Honors thesis.

### Related Programs

- None

### Certificates

- None

### Related Minors

- Legal Studies
- Education
- Digital Media
- History
- Political Science
- Interpersonal/Organizational Communication
- Journalism Studies
- Magazine Journalism
- Marketing
- Mass Communication
- Public Administration
- Nonprofit Management/National Certification in Nonprofit Management
- Information Technology
- Entrepreneurship
- International and Global Studies
- English - Creative Writing
- English - Linguistics
- English - Literature
- English - Technical Communication

### Advising Notes

- None

### Transfer Notes

- Transfer courses in which students earned lower than a “C” (2.0) will not be accepted.
- Lower-level courses taken at community or state colleges do not substitute for upper-level courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. Student must provide all supporting information.

### Acceptable Substitutes for Transfer Courses

- None

### Plan of Study

#### Freshman Year - Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>Composition I</td>
<td>3 hrs</td>
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<tr>
<td>AMH 2020</td>
<td>U.S. History: 1877-Present</td>
<td>3 hrs</td>
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<tr>
<td>GEP</td>
<td></td>
<td>3 hrs</td>
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<td>GEP</td>
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<td>3 hrs</td>
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<tr>
<td>GEP</td>
<td></td>
<td>3 hrs</td>
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</table>

#### Freshman Year - Spring

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1102</td>
<td>Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPC 1808</td>
<td>Fundamentals of Oral Communication</td>
<td>3 hrs</td>
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<tr>
<td>GEP</td>
<td></td>
<td>3 hrs</td>
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<tr>
<td>GEP</td>
<td></td>
<td>3 hrs</td>
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<tr>
<td>Elective</td>
<td></td>
<td>3 hrs</td>
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</table>

#### Sophomore Year - Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHI 3010</td>
<td>Introduction to Philosophy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>Foreign Language Course</td>
<td></td>
<td>4 hrs</td>
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<tr>
<td>Course in Minor/Certificate/Program of Study</td>
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<td>3 hrs</td>
</tr>
<tr>
<td>ENC 3331</td>
<td>Rhetoric and Civic Engagement</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Sophomore Year - Spring

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core Course</td>
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<td>3 hrs</td>
</tr>
<tr>
<td>Foreign Language Course</td>
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<td>4 hrs</td>
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<td>Course in Minor/Certificate/Program of Study</td>
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<td>3 hrs</td>
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<tr>
<td>Elective</td>
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<td>3 hrs</td>
</tr>
<tr>
<td>ENC 3502</td>
<td>Researching Writing and Literacy</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
## UCF Degree Programs

### Junior Year - Fall
- Restricted Elective: 3 hrs
- Restricted Elective: 3 hrs
- Course in Minor/Certificate/Program of Study: 3 hrs
- Elective: 3 hrs

### Junior Year - Spring
- Restricted Elective: 3 hrs
- Restricted Elective: 3 hrs
- Restricted Elective: 3 hrs
- Course in Minor/Certificate/Program of Study: 3 hrs
- ENG 3836: Professional Lives and Literacy Practices: 3 hrs

### Senior Year - Fall
- ENC 4944: Writing Internship: 3 hrs
- Advised Elective: 3 hrs
- Course in Minor/Certificate/Program of Study: 3 hrs
- Elective: 3 hrs
- Elective: 3 hrs

### Senior Year - Spring
- ENC 4379: Writing and Rhetoric Capstone: 3 hrs
- ENC 4950: Writing ePortfolio: 0 hrs
- Advised Elective: 3 hrs
- Elective: 3 hrs
- Elective: 3 hrs

### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.o eas.ucf.edu/alc/academic_learning_compacts.htm](http://www.o eas.ucf.edu/alc/academic_learning_compacts.htm)
### Minors and Certificates

Minors are authorized only for certification with baccalaureate degrees. Minors must be certified at the same time as the student's baccalaureate degree. Unless a second baccalaureate degree is earned, certification will not be made at a later time even if additional courses have been completed.

A student may declare a minor up to but no later than the submission of the "Intent to Graduate Form." However, students are strongly urged to declare a minor as early as possible. Contact the student support office of the college offering the minor.

<table>
<thead>
<tr>
<th>Minors</th>
<th>Certificates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accounting</td>
<td>Aging Studies Certificate</td>
</tr>
<tr>
<td>Actuarial Science</td>
<td>Anthropology of Global Health Certificate</td>
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<tr>
<td>Aerospace Studies</td>
<td>Behavioral Forensics Certificate</td>
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<tr>
<td>Africana Studies</td>
<td>Children's Services Certificate</td>
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<tr>
<td>Aging Studies</td>
<td>Civics Teaching Certificate</td>
</tr>
<tr>
<td>American Studies</td>
<td>Crime Analysis and Crime Mapping Certificate</td>
</tr>
<tr>
<td>Anthropology</td>
<td>Crime Scene Investigation Certificate</td>
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<tr>
<td>Anthropology in Multicultural Studies</td>
<td>Criminal Profiling Certificate</td>
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<tr>
<td>Art - Studio</td>
<td>Cultural Tourism Certificate</td>
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<td>Art Education</td>
<td>Cyber Operations Certificate</td>
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<td>Art History</td>
<td>Diplomacy Certificate</td>
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<td>Asian Studies</td>
<td>Engineering Leadership Certificate</td>
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<td>Astronomy</td>
<td>Entrepreneurship Certificate</td>
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<tr>
<td>Bioengineering</td>
<td>Finance: Banking Certificate</td>
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<td>Biology</td>
<td>Finance: Corporate Finance Certificate</td>
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<td>Biomedical Sciences</td>
<td>Finance: Investments Certificate</td>
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<td>Coaching</td>
<td>Human Biology Certificate</td>
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<tr>
<td>Cognitive Sciences</td>
<td>Intelligence and National Security Certificate</td>
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<tr>
<td>Communication Sciences and Disorders</td>
<td>Judaic Studies Certificate</td>
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<td>Community Arts - PAVE</td>
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<td>Crime, Law, and Deviance</td>
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<td>Diplomacy</td>
<td>Translation and Interpretation Certificate</td>
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<td>Diversity and Social Inequality</td>
<td>Victim Advocacy Certificate</td>
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<td>Development and Education</td>
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<td>Emergency Management and Homeland Security</td>
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<td>Intelligence and National Security</td>
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<tr>
<td>Intelligent Robotic Systems</td>
<td></td>
</tr>
<tr>
<td>International and Global Studies</td>
<td></td>
</tr>
<tr>
<td>International Business</td>
<td></td>
</tr>
<tr>
<td>International Engineering</td>
<td></td>
</tr>
</tbody>
</table>
Accounting - Minor
College of Business Administration
Kenneth G. Dixon School of Accounting,
Business Administration II, Room: 101
http://web.bus.ucf.edu/accounting
Phone: 407-823-2184

Accounting Minor is only open to Finance Majors.

Minor Admission Requirements
■ None

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses (9 hrs)
ACG 2021 Principles of Financial Accounting 3 hrs
ACG 3501 Financial Accounting for Governmental and Nonprofit Organizations 3 hrs
ACG 4651 Auditing 3 hrs
ACG 4851 Cost Accounting I 3 hrs

Restricted Electives (12 hrs)
Select 4:
■ At least three courses must have either an ACG or TAX prefix
ACG 3361 Intermediate Financial Accounting I 3 hrs
ACG 3141 Intermediate Financial Accounting II 3 hrs
ACG 3131 Intermediate Financial Accounting II 3 hrs
Nonprofit Organizations
ACG 4401C Accounting Information Systems 3 hrs
ACG 4651 Auditing 3 hrs
TAX 4001 Taxation of Business Entities and Transactions 3 hrs
FIN 3414 Intermediate Corporate Finance 3 hrs
FIN 4453 Financial Models 3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 21

Other Requirements
■ A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
■ Grades below “C” (2.0) or “S” grades from other institutions are not accepted.
■ Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
■ At least nine hours used in the minor must be earned at UCF within the department.
■ No credit by exam (TSD, Military credit) may be used toward the minor.

Aerospace Studies - Minor
College of Engineering and Computer Science
Air Force ROTC, Classroom Building 2, Room: 221
Colonel Heather McGee
Phone: 407-823-1247

Minor Admission Requirements
■ None

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses (16 hrs)
ACG 2021 Principles of Financial Accounting 3 hrs
ACG 2021C Principles of Managerial Accounting 3 hrs
ACG 3131 Intermediate Financial Accounting I 3 hrs

Other Requirements
■ At least 15 hours used in the minor must be earned at UCF within the Department of Statistics.
■ At least 15 hours used in the minor must be earned at UCF within the Department of Statistics.
■ Students need to complete the prerequisite courses.

Actuarial Science - Minor
College of Sciences
Department of Statistics,
Computer Center II, Room: 212
http://statistics.cos.ucf.edu/
Dr. David Nickerson, david.nickerson@ucf.edu, 407-823-5528

This minor is designed to satisfy the Society of Actuaries (SOA) Validation by Educational Equivalence requirements in the areas of Economics, Corporate Finance and Applied Statistics and prepare students for SOA Exam P, Exam FM and Exam MFE. It also will prepare them to take the Casualty Actuarial Society (CAS) Exam 1, Exam 2, and Exam 3F. Students who complete this minor will have completed the requirements for a Statistics minor, and should also apply for that minor prior to graduation. Alternatively, the minor will satisfy many requirements in the Statistics B.S. degree, so students may want to consider the Statistics B.S. with the Actuarial Science minor.

Minor Admission Requirements
■ Students need to complete the prerequisite courses.

Minor Requirements
■ A minimum grade of “C” (2.0) is required in all courses used to satisfy the minor.
■ At least 15 hours used in the minor must be earned at UCF within the Department of Statistics.

Prerequisite Courses
■ Students must satisfy each course’s prerequisites before enrolling in the class.
■ Students are expected to have completed some of the following courses as part of their GEP requirement.

Required Courses (21 hrs)
ECO 2013 Principles of Macroeconomics 3 hrs
MAC 2311C Calculus with Analytic Geometry I 4 hrs
MAC 2312 Calculus with Analytic Geometry II 4 hrs
MAC 2313 Calculus with Analytic Geometry III 4 hrs
STA 2023 Statistical Methods I 3 hrs
STA 4163 Statistical Methods II 3 hrs
STA 4164 Statistical Methods III 3 hrs
STA 4321 Statistical Theory I 3 hrs
STA 4322 Statistical Theory II 3 hrs

Restricted Electives
■ No additional courses are required.

Foreign Language Requirements
■ No Foreign Language is required.

Total Semester Hours Required
■ 21

Other Requirements
■ No credit by exam (TSD, Military credit) may be used toward the minor.
■ Internship, Co-op, or Independent Study credit cannot be used toward the minor.
■ Any course substitutions must be approved by the program coordinator in advance of their being taken.
### Africana Studies - Minor

**College of Arts and Humanities**

**Program in Africana Studies, Colbourn Hall, Room: 110**


Anthony Major, Director, anthony.major@ucf.edu, 407-823-0026

The College of Arts and Humanities offers a minor in Africana Studies, which gives students the opportunity to explore the African Diaspora experience from a multi-disciplinary perspective. It is dedicated to developing knowledge and expertise of the Africana Diaspora, including Africa, North America, Central and South America, the Caribbean, Europe and beyond. The minor incorporates courses from many different disciplines including Music, Fine Arts, History, English, Foreign Languages, Political Science, Psychology, Sociology, Anthropology, Film, Theatre and the Sciences.

#### Minor Admission Requirements
- None

#### Minor Requirements
- None

#### Prerequisite Courses
- None

#### Required Courses (12 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AFA 3102</td>
<td>Introduction to Africana Studies: A Multidisciplinary Approach</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AFA 3104</td>
<td>The Black Intellectual Experience</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AFA 3006</td>
<td>The African Diaspora: Theories and Movements</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Select 1:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AFA 3850</td>
<td>Researching Africana Heritage and Life</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AFA 4242</td>
<td>Contemporary Issues in African Studies</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Restricted Electives (6 hrs)

- Select two courses from one of the following areas of specialization.

**General-Interdisciplinary**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AFA 3300</td>
<td>African American and Caribbean Music or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AFA 3244</td>
<td>Africana Social &amp; Cultural Movements or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AFA 3371</td>
<td>Evolution of Hip Hop or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AFA 4105</td>
<td>Documenting Africana Heritage and Life</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AML 3813</td>
<td>Narratives of Slavery or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3319</td>
<td>Slavery, Resistance, and Cultural Dynamics Among African People in the Americas or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3831</td>
<td>Black Cinema or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 3250</td>
<td>Politics of Pan-Africanism or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LAS 4023</td>
<td>African Caribbean Experience or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIT 3192</td>
<td>Caribbean Literature or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>POT 4345</td>
<td>Pan-Africanist Thought or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SOP 3724</td>
<td>Psychology of Prejudice or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYD 3700</td>
<td>Race and Ethnicity or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>WST 3460</td>
<td>Women, Race and Struggle or</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Caribbean/Central, South America**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AFA 3371</td>
<td>Evolution of Hip Hop or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AFA 3955</td>
<td>Study Abroad in Eastern Caribbean or</td>
<td>6 hrs</td>
</tr>
<tr>
<td>AML 3615</td>
<td>Harlem, Haiti, and Havana or</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### North American

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AFA 3300</td>
<td>African American and Caribbean Music or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AFA 3244</td>
<td>Africana Social &amp; Cultural Movements or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AFA 3371</td>
<td>Evolution of Hip Hop or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AFA 3420</td>
<td>Malcolm X, Black Nationalism, and Internationalism or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AMH 3403</td>
<td>History of the South Since 1865 or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AMH 3572</td>
<td>Black American History II or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AML 3613</td>
<td>Narratives of Slavery or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AML 3614</td>
<td>Topics in African-American Literature or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AML 3615</td>
<td>Harlem, Haiti, and Havana or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3398</td>
<td>Black/Seminoite Relations or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3831</td>
<td>Black Cinema or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 3250</td>
<td>Politics of Pan-Africanism or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 3253</td>
<td>International Politics of Africa or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUL 2016</td>
<td>Evolution of Jazz or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3790</td>
<td>African Philosophy or</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**African Continental**

- Additional courses may be used only with the prior permission of the program Director

#### Foreign Language Requirements
- None

#### Total Semester Hours Required
- 18

#### Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

### Aging Studies - Minor

**College of Health and Public Affairs**

**School of Social Work,**

**Health and Public Affairs, Room: 204**

Email: socialwk@ucf.edu

Dr. Denise Gammonley
Phone: 407-823-2114

In recognition of the special needs of older adults in Central Florida, the University offers an eighteen-hour interdisciplinary program leading to a Minor in Aging Studies. The minor is open to all students in any major. This minor prepares students for careers in applied gerontology, research, public service or for graduate training. Courses focus on the physiological, psychological, sociological, environmental, cultural, legal-ethical and public policy issues affecting older adults. Students majoring in health professions.
biomedical sciences, criminal justice and legal studies, hospitality management, psychology, social work, nursing, sociology, business, exercise science, physical education, communication sciences and disorders or education find study of the aging process especially helpful.

Minor Admission Requirements
- None

Minor Requirements
- A required internship, along with course options that include service-learning activities, complements the web-based courses.
- Students select one of the internship courses listed below depending on their major. BSW majors must take the 9 credit hour field education course.

Prerequisite Courses
- None

Required Courses (6 hrs)
- GEY 3001 Gerontology: An Interdisciplinary Overview 3 hrs
- HSA 4941 Internship 3 hrs
- PSY 3651 Undergraduate Field Work 3 hrs
- SYP 4941 Internship 3 hrs
- SOW 4510 Field Education 9 hrs
- SOW 4941 Internship 9 hrs

1 For full-time social work majors. Cannot be used with SOW 4941.
2 For part-time social work majors. Cannot be used with SOW 4510.

Restricted Electives (12 hrs)
- Students select FOUR additional courses from the following courses: A maximum of TWO courses must be taken in the College of Health and Public Affairs and at least TWO courses must be taken from other colleges.

Prerequisite Courses
- None

Required Courses (15 hrs)
- Select 5 (one from each category)

Literature
- AML 3031 American Literature I or 3 hrs
- AML 3682 Ethnic Literature in America or 3 hrs
- AML 4101 American Novel or 3 hrs
- AML 4261 Literature of the South or 3 hrs
- AML 4300 Major American Authors or 3 hrs
- AML 4321 Modern American Literature or 3 hrs
- AML 4630 Latino/Latina Literature 3 hrs

Social Sciences and Social Issues
- CCJ 3014 Crime in America or 3 hrs
- INR 4102 American Foreign Policy or 3 hrs
- INR 4114 American Security Policy or 3 hrs
- INR 4225 The Vietnam War or 3 hrs
- POS 3173 Southern Politics or 3 hrs
- POS 3324 Protest in American Politics or 3 hrs
- POS 3413 The American Presidency or 3 hrs
- POS 3204 American Political Thought or 3 hrs
- PUP 3314 Minorities in American Politics or 3 hrs
- SYD 3700 Race and Ethnicity or 3 hrs
- SYP 3630 Popular Culture In Society 3 hrs

History
- AMH 3402 History of the South to 1865 or 3 hrs
- AMH 3403 History of the South Since 1865 or 3 hrs
- AMH 3441 History of the Frontier: Eastern America or 3 hrs
- AMH 3442 History of the Frontier: Western America or 3 hrs
- AMH 3541 U. S. Military History To 1900 or 3 hrs
- AMH 3561 Women in American History I or 3 hrs
- AMH 3562 Women in American History II or 3 hrs
- AMH 3571 Black American History I or 3 hrs
- AMH 3572 Black American History II or 3 hrs
- AMH 4110 Colonial America, 1607-1763 or 3 hrs
- AMH 4130 The Age of the American Revolution, 1763-1789

Philosophy and Religion
- ANT 3245 Native American Religions 3 hrs
- PHH 3700 American Philosophy 3 hrs
- PHH 3701 Native American Philosophy 3 hrs
- PHP 3781 African-American Philosophy 3 hrs
- REL 3123 Asian Religions in America 3 hrs
- REL 3130 Religion in America 3 hrs

Art, Humanities, and Culture
- AFA 3102 Introduction to Africana Studies: A Multidisciplinary Approach
- AFA 3371 Evolution of Hip Hop 3 hrs
- AMH 3580 North American Indians 3 hrs
- AMH 3586 History of Latinos in the U.S. 3 hrs
- AMH 3610 Sport in America to 1945 3 hrs
- AMH 3611 Sport in America Since 1945 3 hrs
- AMH 4311 American Culture I 3 hrs
- AMH 4313 American Culture II 3 hrs
- AMH 4644 Viewing American History in the Twentieth Century 3 hrs
- ANT 3311 Indians of the Southeastern United States 3 hrs
- ANT 4153 North American Archaeology 3 hrs
- ARH 3610 American Art 3 hrs
- ARH 3631 African-American Art 3 hrs
- FIL 3831 Black Cinema 3 hrs
- FIL 3871 The American Film Artist 3 hrs
- HUM 4459 American Cultural Studies in Humanities 3 hrs
- THE 3171 That's Entertainment!: Theatre Experience in Theme Parks, Vegas, and Broadway 3 hrs

Restricted Electives (3 hrs)
- 3 additional upper level hours. Select courses not already used from lists above or one of the following lower-division courses.

Select 1:
- MUH 2019 American Popular Music, 1840s-present or 3 hrs
- MUL 2016 Evolution of Jazz 3 hrs

Foreign Language Requirements
- None
Minors

Total Semester Hours Required

- 18

Other Requirements
- Students must earn at least a "C" (2.0) in each course used to satisfy the minor.
- At least 15 credit hours must be earned in upper level credits; no more than 3 hours lower level credits.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- No more than 6 hours may be taken in any of the areas listed above.

Anthropology - Minor
College of Sciences
Department of Anthropology,
Howard Phillips Hall, Room: 309
http://www.cos.ucf.edu/anthropology
Email: anthropology@ucf.edu
Dr. Arlen Chase
Phone: 407-823-2227

The Anthropology minor develops a student’s holistic understanding of the past and present human condition. Four different concentrations are delimited within the Anthropology minor.

Minor Admission Requirements
- The minor is not open to Anthropology majors.

Minor Requirements
- Students must earn a grade of "C" (2.0) or better in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department of Anthropology.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses

- (3 hrs)
  ANT 2000  General Anthropology

Restricted Electives

- (15 hrs)
  A. Concentration in General Anthropology
    - (15 hrs)
      ANT 2140  Anthropology and the Rise of Human Culture
      ANT 2410  Cultural Anthropology: Global Perspectives,
      Local Contexts
      ANT 2511  The Human Species
      Select additional upper level (3000-5999) Anthropology courses
  
  B. Concentration in Archaeology
    - (15 hrs)
      ANT 2140  Archaeology and the Rise of Human Culture

Complete at least four of the following courses;

- (12 hrs)
  ANT 3106  Archaeology and Popular Culture or
  ANT 4115C  Archaeological Method and Theory or
  ANT 3142  Old World Prehistory or
  ANT 3145  Archaeology of Complex Societies or
  ANT 3148  Life and Death in Ancient Egypt or
  ANT 3152  Cliffs, Canyons, and Deserts: Ancient Societies of the Greater Southwest or
  ANT 3158  Florida Archaeology or
  ANT 3160  Americas Before Columbus or
  ANT 3161  Ancient Mexico: Aztec to Zapotec or
  ANT 3163  Mesoamerican Archaeology or
  ANT 3164  Ancient Incas or
  ANT 3165  Archaeology of South America or
  ANT 3168  Maya Archaeology or
  ANT 3173  Archaeology of Sex or
  ANT 3177  Archaeology of Caribbean Piracy or
  ANT 4153  North American Archaeology or

1 or its graduate equivalent.

C. Concentration in Physical Anthropology

- (15 hrs)
  Select from the following courses;
  - (12 hrs)
    ANT 3146  Life and Death in Ancient Egypt or
    ANT 3541  Biobehavioral Anthropology or
    ANT 3550C  Primatology or
    ANT 4183  Archaeological Sciences or
    ANT 4184  Mortuary Archaeology or
    ANT 4462  Medical Anthropology or
    ANT 4467  Nutritional Anthropology or
    ANT 4516  Human Biological Diversity or
    ANT 4521  Forensic Anthropology or
    ANT 4526C  Human Osteology or
    ANT 4560  Birth to Death: Anthropological Perspectives on Human Growth or
  
  - (3 hrs)
    ANT 4586C  Human Origins

1 or its graduate equivalent.

D. Concentration in Cultural Anthropology

- (15 hrs)
  Select from the following courses;
  - (12 hrs)
    ANT 3152  Cliffs, Canyons, and Deserts: Ancient Societies of the Greater Southwest or
    ANT 3164  Ancient Incas or
    ANT 3212  Peoples of the World or
    ANT 3241  Magic, Ritual, and Belief or
    ANT 3245  Native American Religions or
    ANT 3262  Rural Society or
    ANT 3273  Law and Culture or
    ANT 3302  Sex, Gender and Culture or
    ANT 3311  Indians of the Southeastern United States or
    ANT 3312  Ethnology of North American Indians or
    ANT 3313  Indians of North America High Plains or
    ANT 3398  Black/Seminole Relations or
    ANT 4332  People and Cultures of Latin America or
    ANT 4303  Anthropology of Tourism or
    ANT 3701  Engagement & Social Change: Public Anthropology or
    ANT 4702  Culture, Inequality and Global Development or
    ANT 4802  Ethnographic Field Methods or
    ANT 3610  Language and Culture or
    ANT 4340  Caribbean Cultures or
    ANT 3319  Slavery, Resistance, and Cultural Dynamics Among African People in the Americas or
    ANT 4034  History of Anthropological Thought or
    ANT 4266  Economic Anthropology: Production, Consumption, and Exchange or
    ANT 4352  African Societies and Cultures or
    ANT 4408  Culture, Disease, and Healing or
    ANT 5167  Maya Hieroglyphs or
    ANT 5228  Maya Iconography or
    ANT 5622  Language, Culture and Pedagogy

1 or its graduate equivalent.

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- No credit by exam (TSD, Military credit) may be used to satisfy the minor.
Minors

Anthropology in Multicultural Studies - Minor
College of Sciences
Department of Anthropology,
Howard Phillips Hall, Room: 309
http://www.cos.ucf.edu/anthropology
Email: anthropology@ucf.edu
Dr. Arlen Chase
Phone: 407-823-2227

This minor develops a student's understanding of the recent dilemmas of Hispanic, Native American, and Pacific Rim cultures, sex, and gender controversies in societies, and the theoretical and practical issues of modern applied anthropology. The minor is especially appropriate for students majoring in political science, international business, or for any student seeking an enhanced understanding of contemporary cultural relations.

Minor Admission Requirements
■ None

Minor Requirements
■ Students must earn a grade of "C" (2.0) or better in all courses used to satisfy the minor.
■ At least 15 hours used in the minor must be earned at UCF within the department of Anthropology.

Prerequisite Courses
■ Students must satisfy each course's prerequisites before enrolling in the class.

Required Courses (3 hrs)
Select from;
ANT 2000 General Anthropology or
ANT 2410 Cultural Anthropology: Global Perspectives, Local Contexts

Restricted Electives (15 hrs)
■ Select from the following. Substitutions require prior consent of the Anthropology Coordinator.
ANT 3164 Ancient Incas
ANT 3212 Peoples of the World
ANT 3241 Magic, Ritual, and Belief
ANT 3245 Native American Religions
ANT 3302 Sex, Gender and Culture
ANT 3312 Ethnology of North American Indians
ANT 3319 Slavery, Resistance, and Cultural Dynamics Among African People in the Americas
ANT 3398 Black/Seminole Relations
ANT 3341 Biobehavioral Anthropology
1 ANT 3610 Language and Culture
ANT 3701 Engagement & Social Change: Public Anthropology
ANT 4266 Economic Anthropology: Production, Consumption, and Exchange
1 ANT 4303 Anthropology of Tourism
1 ANT 4332 People and Cultures of Latin America
1 ANT 4340 Caribbean Cultures
ANT 4408 Culture, Disease, and Healing
1 ANT 4467 Nutritional Anthropology
1 ANT 4516 Human Biological Diversity
1 ANT 4702 Culture, Inequality and Global Development
SYD 3700 Race and Ethnicity

1 or its graduate equivalent, but not both.

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ No credit by exam (TSD, Military credit) may be used.
■ Not open to Anthropology majors.

Art - Studio - Minor
College of Arts and Humanities
School of Visual Arts and Design,
Visual Arts Building, Room: 117
http://svad.cah.ucf.edu/
Email: svadadvising@ucf.edu
Phone: 407-823-2676

The School of Visual Arts and Design affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, art courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

Minor Admission Requirements
■ None

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses (18 hrs)
ARH 2050 History of Western Art I 3 hrs
ARH 3551 History of Western Art II 3 hrs
ART 2201C Design Fundamentals-Two Dimensional 3 hrs
ART 2203C Design Fundamentals-Three Dimensional 3 hrs
ART 2300C Drawing Fundamentals I 3 hrs
ART 2301C Drawing Fundamentals II 3 hrs
ART 3950 Portfolio Review 0 hrs

Restricted Electives (6 hrs)
■ Six semester hours of studio art in one area of specialization at the 3000-4000 level
Foreign Language Requirements
■ None

Total Semester Hours Required
■ 24

Other Requirements
■ A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
■ At least six of the required hours must be regularly scheduled 3000-4000 level courses in one area of specialization and taken at UCF.
■ Grades below "C" (2.0) in lower level courses are not accepted.
■ At least 15 hours used in the minor must be earned at UCF within the School of Visual Arts and Design.
■ No credit by exam (TSD, Military credit) may be used.
■ Co-op, Independent Study, Directed Research, or Internship credit cannot be used in the minor.
■ Students in this program must satisfactorily complete the mandatory ART 3950 - Portfolio Review before enrolling in upper division ART courses. This portfolio is typically submitted the semester prior to enrolling in upper division ART courses. The Spring review takes place the first week of March. The Fall review takes place the first week of October.

Art Education - Minor
College of Education and Human Performance
School of Teaching, Learning, and Leadership
http://education.ucf.edu/
Dr. Debra McGann, ED 122C, debra.mcgann@ucf.edu

This minor is not available to Art Education majors. This minor is well-suited for students enrolled in the School of Visual Arts and Design or Interdisciplinary Studies students with a concentration in Art. This minor is not available to students in pending status in a College of Education and Human Performance major.
Admission Requirements
- Have a minimum 2.5 overall GPA
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida College System or State University System institution.

Minor Requirements
- Students should see an advisor prior to registering for classes.
- Students must complete 18 SH of co-requisites and course prefixes could be ARE, ART, ARH, or GRA.
- At least 12 hours in the minor must be earned at UCF.
- Students must have a grade of “C-” (1.75) or better in all courses required for minor.

Prerequisite Courses
- None

Required Courses

Credit Hour Requirement 18 hrs
EDG 4410 Teaching Strategies and Classroom Management 3 hrs
EDF 4467 Learning Theory and Assessment 3 hrs
TSL 4080 Theory and Practice of Teaching ESOL 3 hrs
RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
ARE 4351 Teaching Art in the Elementary School 3 hrs
ARE 4352 Teaching Art in the Secondary School 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- None

Art History - Minor

College of Arts and Humanities
School of Visual Arts and Design, Visual Arts Building, Room: 117
http://svad.cah.ucf.edu/
Email: svadadvising@ucf.edu
Phone: 407-823-2676

The School of Visual Arts and Design affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, art courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses

Select 4: 12 hrs
ARH 2051 History of Western Art I or 3 hrs
ARH 2050 History of Western Art II or 3 hrs
ARH 4310 Italian Renaissance Art or 3 hrs
ARH 4430 19th Century Art or 3 hrs
ARH 4460 20th Century Art 3 hrs

Non-Western/Ancient Course Requirement 3 hrs

Select 1: 3 hrs
ARH 3670 20th Century Latin American Art or 3 hrs
ARH 4130 Greek Art and Architecture or 3 hrs
ARH 4150 Roman Art and Architecture or 3 hrs

Restricted Electives

Select 1: 3 hrs
ARH 4200 Medieval Art or 3 hrs
ARH 4350 Baroque Art or 3 hrs
ARH 4800 Theory and Criticism of the Visual Arts or 3 hrs
ARH 4871 Women in Art 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the School of Visual Arts and Design.
- No credit by exam (TSD, Military credit) may be used.
- Co-op, Independent Study, Directed Research, or Internship credit cannot be used in the minor.

Asian Studies - Minor

College of Arts and Humanities
Department of Modern Languages and Literatures,
Colbourn Hall, Room: 523
http://www.mll.cah.ucf.edu/
Dr. Humberto Lopez, hlopez@ucf.edu, 407-823-2472

An interdisciplinary minor in which several UCF departments participate in order to offer students a basic and well-rounded background in the field. Courses are to be selected in consultation with a departmental advisor.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses

Select 1: (3 hrs)
HUM 3401 Asian Humanities

Restricted Electives

Select 1: (15 hrs)
Since the total number of hours taken to complete the foreign language proficiency requirement will vary, the total number of elective hours required will vary as well. Please see the Program Director to review your specific circumstances.

No more than two courses (six hours) can be taken under the same prefix.

Select 1:
ANT 3362 Peoples of Southeast Asia 3 hrs
ARH 4540 Art of India 3 hrs
ART 3824 Japanese Manga & Anime 3 hrs
ASH 4304 Women in China 3 hrs
ASH 4324 History & Culture of South Asia 3 hrs
ASH 4383 Imperialism & Decolonization in South Asia 3 hrs
ASH 4402 History of Chinese Civilization 3 hrs
ASH 4404 Modern China 3 hrs
ASH 4442 Modern Japan 3 hrs
CPO 4514 Politics of East Asia 3 hrs
CPO 4541 Chinese Politics 3 hrs
CPO 4553 Politics of Japan 3 hrs
INR 4224 Contemporary International Politics of Asia 3 hrs
INR 4225 The Vietnam War 3 hrs
REL 3340 Buddhism 3 hrs
REL 3333 Hinduism 3 hrs
REL 3123 Asian Religions in America 3 hrs
LIT 3833 Modern Asian Literature 3 hrs
LIT 3834 Chinese Poetry in Translation 3 hrs
LIT 3835 Translated Modern Chinese Novels 3 hrs
Minors

Foreign Language Requirements
- One year or the equivalent proficiency examination (0 - 8 hrs) in Chinese or Japanese language. A maximum of 8 hours of language credits can be used to fulfill this requirement and towards the minor.

Total Semester Hours Required
- 18

Other Requirements
- Students must obtain at least a "C" (2.0) in each course used to satisfy the minor.
- At least 12 hours must be earned in upper level credits.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used in the minor without prior approval by the director.
- Requirement for the minor is 18-20 credits.

Astronomy - Minor

College of Sciences

Department of Physics, Physical Sciences, Room: 430

Email: physics@ucf.edu

Dr. Humberto Campins
Phone: 407-823-2325

Minor Admission Requirements
- The minor is not open to Physics majors with an Astronomy specialization.

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted.
- At least 9 hours used in the minor must be earned at UCF within the department of Physics.

Prerequisite Courses
- Most courses for this minor will have prerequisites completed as a part of a student’s GEP requirement, as general electives, or a student can enroll into courses with consent of instructor.

Required Courses (19 hrs)
- AST 2002 Astronomy 3 hrs
- PHY 2048C General Physics Using Calculus I 4 hrs
- AST 4152 Planetary Geophysics 3 hrs
- AST 3211 Stellar Astrophysics 3 hrs
- AST 3402 Galaxies and Cosmology 3 hrs
- AST 4700 Experimental Methods in Astronomy 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 19

Other Requirements
- No credit by exam (TSD, Military credit) may be used toward the minor.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Bioengineering - Minor

College of Engineering and Computer Science

Engineering, Room: 107

http://www.cecs.ucf.edu/minors/bioengineering

Dr. Alain Kassab, Engineering Track, alain.kassab@ucf.edu, 407-823-5778
Dr. Charles Hughes, Computer Science Track, ceh@cs.ucf.edu, 407-823-2762

The Bioengineering minor prepares engineering and computer science students to pursue graduate academic and professional careers serving a wide range of the medical arena in research and development. Candidates completing this minor will also satisfy course admissions requirements for the UCF Medical School and other medical schools in the US. Engineering and computer science students interested in pursuing an MD degree at UCF or elsewhere are strongly encouraged to seek further advisement from the Office of Pre-Health and Pre-Law Advising. The minor constitutes up to: (a) for the engineering track 21 hours of coursework over the requirements for a Bachelor of Science degree in an engineering discipline at UCF, and (b) a minimum 17 hours of coursework over the requirements for a Bachelors of Science degree in computer science at UCF.

Minor Admission Requirements
- Admission Requirements: Entrance into the minor is required upon admission to the University and requires a minimum high school unweighted GPA 3.7, and ACT 30 or SAT 1300. Well-qualified students in the College of Engineering and Computer Science of at least junior standing can also be considered for admission into the minor. In order to remain in the program, students must maintain a UCF Undergraduate GPA 3.0. Candidates should contact the CECS Academic Affairs Office, bioengineering@ucf.edu, for application into the minor. Applications will be reviewed and decisions rendered by an admissions committee.

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (35 hrs)
- PHY 2048C General Physics Using Calculus I 4 hrs
- PHY 2049C General Physics Using Calculus II 4 hrs
- BSC 2010C Biology I 4 hrs
- BSC 2011C Biology II 4 hrs
- CHM 2211C Biological Process Control or 4 hrs
- EEE 5272 Biomedical Sensors or 3 hrs
- BME 5267 Biofluid Mechanics or 3 hrs
- EMA 5584 Biomaterials or 3 hrs
- PCB 3522 Molecular Biology I or 3 hrs
- ZOO 3733C Human Anatomy or 4 hrs

Restricted Electives (6 hrs)
- EIN 5248C Ergonomics 3 hrs
- PCB 3522 Molecular Biology I 3 hrs
- PCB 3703C Human Physiology or 4 hrs
- ZOO 3733C Human Anatomy or 4 hrs

UNIVERSITY OF CENTRAL FLORIDA
Biomedical Sciences - Minor
College of Medicine
Burnett School of Biomedical Sciences
Department of Molecular and Microbiology, Health and Public Affairs II, Room: 335
http://www.biomed.ucf.edu
Email: bbsadvising@ucf.edu
Dr. Griffith Parks, Director
Phone: 407-823-5932

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (23 hrs)
- BSC 2010C Biology I 4 hrs
- MCB 3020C General Microbiology 5 hrs
- PCB 3233L Immunology Laboratory 1 hr
- PCB 3522 Molecular Biology I 3 hrs
- PCB 4524 Molecular Biology II 3 hrs
- BSC 3403C Quantitative Biological Methods 4 hrs

Select 1: 3 hrs
- PCB 3233 Immunology 3 hrs
- PCB 4280 Molecular Immunology 3 hrs

Restricted Electives (7 hrs)
- At least two courses from the Restricted Elective category of the baccalaureate curriculum.

Foreign Language Requirements
- None

Total Semester Hours Required
- 30

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades less than "C" (1.75) are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

Business - Minor
College of Business Administration
Office of Professional Development BA2, 101, 407-823-2184
Not available to Business majors.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (18 hrs)
- ACG 2021 Principles of Financial Accounting 3 hrs
- ACG 2071 Principles of Managerial Accounting 3 hrs
- MAN 3025 Management of Organizations 3 hrs
- MAR 3023 Marketing 3 hrs
- ECO 3411 Quantitative Business Tools II 3 hrs
- FIN 3403 Business Finance 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None
Minors

Total Semester Hours Required
- 18

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) or “S” grades from other institutions are not accepted.
- Courses taken at Florida College System institutions do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- At least twelve hours used in the minor must be earned at UCF within the College of Business.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.

Chemistry - Minor

College of Sciences
Department of Chemistry,
Physical Sciences, Room: 255
http://www.cos.ucf.edu/chemistry
Email: chemstaff@ucf.edu
Dr. Pedro Patino, pedro.patino@ucf.edu

Minor Admission Requirements
- The minor is not open to Chemistry majors.

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 11 hours used in the minor must be earned at UCF within the department of Chemistry, with a minimum GPA of 2.0.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses
- (20 hrs)
  CHM 2045C Chemistry Fundamentals I 4 hrs
- or
  CHM 2040 Chemistry Fundamentals IA and 3 hrs
  CHM 2041 Chemistry Fundamentals IB 3 hrs
- and
  CHM 2046 Chemistry Fundamentals II 3 hrs
  CHM 2046L Chemistry Fundamentals Laboratory 1 hr
  CHM 2210 Organic Chemistry I 3 hrs
  CHM 2211 Organic Chemistry II 3 hrs
  CHM 2211L Organic Laboratory Techniques I 2 hrs
  CHM 3120 Analytical Chemistry 3 hrs
  CHM 3120L Analytical Chemistry Laboratory 1 hr

Restricted Electives
- (8 hrs)
  At least one course must be selected from group I and the remaining from group I and/or II

Group I: Select at least one course
- BCH 4103L Biochemical Methods 2 hrs
- CHS 3530C Forensic Analysis of Controlled Substances 4 hrs
- CHM 3411L Physical Chemistry Laboratory 2 hrs
- CHM 3215L Organic Laboratory Techniques II 2 hrs
- CHM 4130 Advanced Analytical Laboratory Technique 3 hrs
- CHM 5451C Techniques in Polymer Science 3 hrs

Group II:
- BCH 4053 Biochemistry I 3 hrs
- BCH 4054 Biochemistry II 3 hrs
- CHS 4615 Environmental Chemistry 3 hrs
- CHM 3410 Physical Chemistry I 4 hrs
- CHM 3411 Physical Chemistry II 3 hrs
- CHM 3422 Applied Physical Chemistry 3 hrs

CHM 2041  Chemistry Fundamentals IA and 3 hrs
CHM 2040  Chemistry Fundamentals IB 3 hrs
CHM 4220  Organic Chemistry III 3 hrs
CHM 5225  Advanced Organic Chemistry 3 hrs
CHM 5235  Applied Molecular Spectroscopy 3 hrs
CHM 5450  Polymer Chemistry 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 28

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Coaching - Minor

College of Education and Human Performance
Department of Educational and Human Sciences,
Education Building, Room: 209
Email: SESadvising@ucf.edu
Dr. David Fukuda, David.Fukuda@ucf.edu
Phone: 407-823-0623

The coaching minor is designed to provide a limited, but substantive experience in the field of coaching. The state of Florida requires a coaching endorsement, which includes nine hours (Human Injuries, Coaching Theory, and a Coaching Specialization course), for all persons certified to teach. This minor is appropriate for those students who plan to coach and/or are seeking a career in the fields of Physical Education and sport. The Coaching Minor includes coursework leading to partial fulfillment of the Athletic Coaching Endorsement. Full eligibility for the endorsement may require additional criteria outlined by the Florida Department of Education. For further information regarding the Athletic Coaching Endorsement, visit http://www.fldoe.org/edcert/. This Minor is available for students in the 2001 Catalog Year and beyond. The Coaching Minor is not available to Sport and Exercise Science Pending and Sport and Exercise Science - Coaching Track majors.

Minor Admission Requirements
- Have a minimum 2.5 overall GPA
- Complete the University General Education Requirements or its equivalent, i.e. an AA degree from a Florida College System or State University System Institution

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses
- (22 hrs)
  BSC 2010C Biology I (or equivalent) 4 hrs
  ATR 4132 Human Injuries: Mechanisms & Prevention 3 hrs
  PET 3765 Coaching Theory 3 hrs
  PET 4215 Motivational Aspects of Athletic Performance 3 hrs
  PET 4763 Coaching Methods And Principles 3 hrs
  ZOO 3736C Exercise Physiology Anatomy 4 hrs

Select 1:
- (3 hrs)
  PEO 3324 Coaching Volleyball or 3 hrs
  PEO 3514C Coaching Soccer 3 hrs
  PEO 3624 Coaching Basketball or 3 hrs
  PEO 3644 Coaching Football or 3 hrs
  PEO 3934 Coaching Physical Education 3 hrs
  PEO 3944 Coaching Track and Field 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 22
Cognitive Sciences - Minor
College of Arts and Humanities
Department of Philosophy,
Psychology Building, Room: 220
http://philosophy.cah.ucf.edu/
Email: philosophy2@ucf.edu
Dr. Jennifer Mundale, Jennifer.Mundale@ucf.edu
Phone: 407-823-2273

The cognitive sciences minor provides an interdisciplinary approach to the study of mind, brain, and cognition, broadly construed. It complements the background of students intending to pursue graduate degrees in cognitive sciences, computer science, philosophy, psychology, biology, neuroscience, and medicine, as well as students with more immediate career goals in fields such as neural network modeling, neuroimaging, information technology, clinical or counseling psychology, biotechnology, and others.

Minor Admission Requirements
■ None

Minor Requirements
■ None

Prerequisite Courses
■ Note: It is the student’s responsibility to complete satisfactorily all prerequisite courses prior to registering for each course. Students must check the most current catalog before registering, and abide by the prerequisites in effect at that time.

Required Courses
■ Foundation Courses
■ Select from at least 4 subject areas.

Neuroscience
PSB 3002 Physiological Psychology or 3 hrs
PSB 4240C Neuropsychology or 4 hrs
ZOO 3744 Neurobiology 3 hrs

Philosophy
PHI 3320 Philosophy of Mind or 3 hrs
PHI 3323 Minds and Machines: Philosophy of Cognitive Science or 3 hrs
PHI 3451 Philosophy of Psychology or 3 hrs
PHI 4341 Ways of Knowing or 3 hrs
PHI 4400 Philosophy of Science or 3 hrs
PHI 4935 Topics in Philosophy of Mind or 3 hrs
PHP 4782 Phenomenology 3 hrs

Psychology
EXP 3204 Perception or 4 hrs
EXP 3604 Cognitive Psychology or 4 hrs
EXP 4507 Advanced Human Memory and Cognition 3 hrs

Computer Science and Information Technology
CAP 4453 Robot Vision or 3 hrs
CAP 4630 Artificial Intelligence or 3 hrs
EEL 3552C Analog and Digital Communication Fundamentals 4 hrs

Language and Linguistics
■ 3 hrs

Selective Electives
■ Select two additional courses from either the above Foundation Courses or from the following list.

Select 2: 6 hrs
ANT 3541 Biobehavioral Anthropology or 3 hrs
ANT 3550C Primateology or 3 hrs
ANT 3610 Language and Culture or 3 hrs
ANT 4586C Human Origins or 3 hrs
CAP 4630 Artificial Intelligence or 3 hrs
CAP 5015 Multimedia Compression on the Internet or 3 hrs
CAP 5415 Computer Vision or 3 hrs
CAP 5512 Evolutionary Computation or 3 hrs
COP 4520 Concepts of Parallel and Distributed Processing or 3 hrs
EXP 3204 Perception or 4 hrs
MAP 4103 Mathematical Modeling I or 3 hrs
PHI 2101 Formal Logic I or 3 hrs
PHI 2108 Critical Thinking or 3 hrs
PHI 3626 Advanced Ethics in Science and Technology or 3 hrs
PHI 4321 Philosophies of Embodiment: Mind/Body/Self or 3 hrs
PHI 4500 Metaphysics or 3 hrs
PSY 4025 The Psychology of Art or 3 hrs
PSY 3213C Research Methods in Psychology 5 hrs

Other Requirements
■ A minimum grade of “C” (2.0) is required in all courses used to satisfy the minor.
■ 15 hours must be taken at the upper division.
■ No more than 9 credit hours may be used both toward credit for a major and the cognitive sciences minor.
■ At least 12 hours used in the minor must be earned at UCF.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship, Co-op, or Independent Study requires prior approval from the advisors to be used toward the minor.

Communication Sciences and Disorders - Minor
College of Health and Public Affairs
Department of Communication Sciences and Disorders,
Health and Public Affairs II, Room: 101
http://www.cohpa.ucf.edu/csd
Email: csundergraduate@ucf.edu
Dr. Cecyle Carson, Undergraduate Program Coordinator
Phone: 407-823-4798

Licensed Speech-Language Pathology and Audiology Assistant:
This state license may be obtained by completing the minor. This minor is not available to CSD Majors or those seeking a Language Development and Disorders Certificate.

Minor Admission Requirements
■ None

Minor Requirements
■ None

Prerequisite Courses
1 LIN 3713 Language Science 3 hrs

1 This is the prereq for LIN 3716 and LIN 3716L
Minors

Required Courses (24 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPA 3471</td>
<td>Communication Disorders in Literature and Media</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPA 3112</td>
<td>Basic Phonetics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPA 3112L</td>
<td>Basic Phonetics Lab</td>
<td>1 hr</td>
</tr>
<tr>
<td>1 LIN 3716</td>
<td>Language Development</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 LIN 3716L</td>
<td>Language Development Lab</td>
<td>2 hrs</td>
</tr>
<tr>
<td>SPA 3101</td>
<td>Physiological Bases of Speech and Hearing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPA 4032</td>
<td>Audiology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPA 4400</td>
<td>Language Disorders Across the Life Span</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPA 4476</td>
<td>Speech Disorders Across the Lifespan</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1 LIN 3713 is a prerequisite.

Restricted Electives

■ None

Foreign Language Requirements

■ None

Total Semester Hours Required

■ 24

Other Requirements

■ A minimum grade of “C-” (1.75) is required in all courses used to satisfy the minor.
■ Students must earn an overall minimum of 2.0 GPA in the courses used to complete the minor.
■ At least 19 hours used in the minor must be earned at UCF within the department.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship or Independent Study credit cannot be used toward the minor.

Community Arts - PAVE - Minor

College of Arts and Humanities
School of Visual Arts and Design,
Visual Arts Building, Room: 117
http://svad.cah.ucf.edu/
Phone: 407-823-2676

Minor Admission Requirements

■ None

Minor Requirements

Partners in Art in Visual Education (PAVE)

■ A minor in Community Arts-PAVE is offered for the student who is majoring in Art, Music, Theatre, or English (with a Creative Writing focus). Students interested in the minor should contact the School director.

Prerequisite Courses

■ None

Required Courses

■ None

Restricted Electives

■ None

Foreign Language Requirements

■ None

Total Semester Hours Required

■ 18

Other Requirements

■ A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
■ Grades below “C” (2.0) in lower level courses are not accepted.
■ At least 15 hours used in the minor must be earned at UCF within the School of Visual Arts and Design.
■ No credit by exam (TSD, Military credit) may be used toward the minor.

Community Sport and Fitness - Minor

College of Education and Human Performance
Department of Educational and Human Sciences
Education Complex, Room: 209
Dr. David Fukuda, David.Fukuda@ucf.edu, 407-823-0623

The Community Sport and Fitness minor is available at the South Lake Campus. It is appropriate for students seeking positions with university athletic programs, community sports organizations, private and public fitness and recreation programs, and multipurpose facilities. This minor is available for students in the 2016 catalog year and beyond.

Admission Requirements

■ Have a minimum 2.5 overall GPA.
■ Complete the University General Education Program requirements or its equivalent, i.e. an AA degree from a Florida College System or State University System Institution.

Minor Requirements

■ No grades below “C” (2.0) and no “S” grades will be accepted.
■ At least 12 hours used in the minor must be earned at UCF.
■ An overall GPA of 2.5 is required to satisfy the minor.

Prerequisite Courses

■ None

Required Courses (18 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PET 3820</td>
<td>Teaching Sports Skills I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LEI 4266</td>
<td>Outdoor and Leisure Activities</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPM 3415</td>
<td>Public Relations in Sport and Exercise Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPM 3130</td>
<td>Aquatic Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPM 3504</td>
<td>Fiscal and Facilities: Issues in Sport and Exercise Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPM 3204</td>
<td>Sports and Ethics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Restricted Electives

■ None

Foreign Language Requirements

■ None

Total Semester Hours Required

■ 18

Other Requirements

■ No credit by exam (TSD or Military credit) may be used.
■ Internship or Independent Study credit cannot be used toward the minor.

Computer Science - Minor

College of Engineering and Computer Science
Department of Computer Science, Harris Corp.
Engineering Center, Room: 346
http://www.cs.ucf.edu
Dr. Mark Llewellyn, markl@cs.ucf.edu
Phone: 407-823-3327

Minor Admission Requirements

■ Not open to Computer Engineering, Computer Science or Information Technology majors.

Minor Requirements

■ None

Prerequisite Courses

■ None

Required Courses (18 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COP 3223C</td>
<td>Introduction to Programming with C</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 3330</td>
<td>Object Oriented Programming</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 3502C</td>
<td>Computer Science I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 3503C</td>
<td>Computer Science II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CDA 3103C</td>
<td>Computer Logic and Organization</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
Select 1: 3 hrs
- COT 3100C  Introduction to Discrete Structures or 3 hrs
- MAD 2104  Foundations of Discrete Math 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- Not open to Computer Engineering, Computer Science or Information Technology majors.
- A grade of "C" (2.0) or better is required in each course used to satisfy the minor.
- At least 9 hours used in the minor must be earned within Computer Science at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, cooperative education, or Independent Study credit cannot be used toward the minor.

Crime, Law, and Deviance - Minor
College of Sciences
Department of Sociology,
Howard Phillips Hall, Room: 403
http://sociology.ucf.edu
Dr. Elizabeth E. Mustaine, libby@ucf.edu, 407-823-3744

The Crime, Law, and Deviance minor examines matters of sociological interest related to the study and understanding of deviant, delinquent, and criminal behavior, the relationship between law and society, and victimology. The minor facilitates an understanding of crime and deviance from a sociological perspective and prepares students for careers and graduate school in related fields.

Minor Admission Requirements
- The minor is not open to Sociology majors.
- Courses used to satisfy the Restricted Electives of this minor cannot be used to satisfy other Sociology minors.

Minor Requirements
- Students are expected to have a minimum GPA of 2.0 in the minor and earn a "C" or better in each course used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department of Sociology.

Prerequisite Courses
- Students must satisfy each course's prerequisites before enrolling in the class.

Required Courses (6 hrs)
- SYP 3520  Criminology 3 hrs

Required: Complete one of the following: (3 hrs)
- SYG 2000  Introduction to Sociology 3 hrs
- SYG 2010  Social Problems 3 hrs

Restricted Electives (12 hrs)
- Select from the following: (6 hrs)
  - SYP 3510  Sociology of Deviant Behavior 3 hrs
  - SYP 3511  Sociology of Murder 3 hrs
  - SYP 3530  Juvenile Delinquency 3 hrs
  - SYP 3540  Sociology of Law 3 hrs
  - SYP 3562  Patterns of Domestic Violence in Society 3 hrs
  - SYP 4514  Patterns of Violence in Society 3 hrs
  - SYP 4521  Crime Victims in Society 3 hrs
  - SYP 4536  Gangs and Society 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- No Internship, Experiential Education or Independent Study credit can be used toward the minor.

Criminal Justice - Minor
College of Health and Public Affairs
Department of Criminal Justice,
Health and Public Affairs I, Room: 311
Email: cjadvise@ucf.edu
Cory Watkins, 407-823-2603

Minor Admission Requirements
- None

Minor Requirements
- Students must earn an overall minimum of 2.0 GPA in the courses used to satisfy the minor.
- Grades less than "C-" (1.75) are not accepted.

Prerequisite Courses
- None

Required Courses (6 hrs)
- CCJ 3024  Criminal Justice System 3 hrs
- CCJ 3014  Crime in America 3 hrs

Restricted Electives (12 hrs)
Select 2: (6 hrs)
- CJL 3510  Prosecution and Adjudication or 3 hrs
- CJC 3010  Corrections and Penology or 3 hrs
- CJE 4014  Police and Society 3 hrs

and Six semester hours of Criminal Justice courses (selected with aid of an advisor) 6 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

Dance - Minor
College of Arts and Humanities
Department of Theatre,
Performing Arts Center, Room: T210A
http://theatre.cah.ucf.edu/
Judi Siegfried, dance@ucf.edu, 407-823-2862

Minor Admission Requirements
- A successful audition - contact department for audition dates.

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (11 hrs)
- DAN 3134  Dance History I 3 hrs
- DAN 3612  Dance Improvisation/Composition I 3 hrs
- DAA 2201C or DAA 3208C with consent of program coordinator

Total Semester Hours Required
- 18
Minors

Restricted Electives  (7 hrs)
- DAA 2570C Jazz Dance I  2 hrs
- DAA 2571C Jazz Dance II  2 hrs
- DAA 2520C Tap Dance I  2 hrs
- DAA 2521C Tap Dance II  2 hrs
- DAA 3524C Tap Dance III  2 hrs
- DAA 2201C Ballet II  2 hrs
- DAA 3208C Ballet III  2 hrs
- DAA 2383C World Dance  2 hrs
- DAA 3645 Choreography Practicum  2 hrs
- DAA 3684 Dance Performance  1 hr
- TPA 2290L Theatre Participation-Production I  1 hr
- TRP 2190L Theatre Participation-Performance I  1 hr
- THE 2090L Theatre Participation  1 hr
- DAA 3004L Dance Studio  1 hr
- DAA 3908C Jazz Dance III  2 hrs
- DAA 3905 Directed Study  1 hr
- DAA 4912 Directed Independent Research  1 hr

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- Earn a grade of “C” (2.0) or better in all courses used to satisfy the minor.
- Student must consult dance advisor every semester. Students who do not consult with their dance advisor will be placed on departmental probation for one semester which causes him/her to be ineligible for casting or other production positions. Repeated failure to consult with a department advisor will lead to release from the program.
- At least 14 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- A minimum of 3 different dance styles must be completed in the minor.

Digital Humanities - Minor

College of Arts and Humanities

Department of English, Colbourn Hall, Room: 405
http://english.ucf.edu

Email: english@ucf.edu
Dr. Mark Kamrath
Phone: 407-823-5596

Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses  (6 hrs)
- HUM 3830 Introduction to Digital Humanities  3 hrs
- DIG 3171 Tools for Digital Humanities  3 hrs

Restricted Electives  (12 hrs)

Technology and Applied Skills  6 hrs
- Select two from the following:
  - CRW 3713 Critical Writing for Video Games or
  - DIG 4704 Interactive Entertainment or
  - DIG 4855 Converging Media Capstone or
  - ENC 4416 Writing in Digital Environments or
  - ENG 3917 Digital Archives or
  - ENC 4414 Writing and Hypertext or
  - ENC 4290 Usability Testing for Technical Communication

Theory and Critique  6 hrs
- Select two from the following:
  - AMH 4644 Viewing American History in the Twentieth Century or
  - DIG 3024 Digital Cultures & Narrative or
  - ENC 3417 Literacy and Technology or

HIS 4150 History and Historians or  3 hrs
PHI 3323 Minds and Machines: Philosophy of Cognitive Science or  3 hrs
PHI 3625 Virtual Ethics or  3 hrs
PHI 3626 Advanced Ethics in Science and Technology  3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A grade of “C” (2.0) or better is required in each course used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF within the College of Arts and Humanities.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Digital Media - Minor

School of Visual Arts and Design
http://svad.cah.ucf.edu/
Email: svadadvising@ucf.edu
Phone: 407-823-2676

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses  (12 hrs)
- DIG 2000 Introduction to Digital Media  3 hrs
- DIG 2030 Digital Video Fundamentals  3 hrs
- DIG 2109 Digital Imaging Fundamentals  3 hrs
- DIG 2500 Fundamentals of Interactive Design  3 hrs

Restricted Electives  (6 hrs)
- Select two courses:
  - Or - any 3000 or 4000 level courses approved by the School of Visual Arts and Design.

DIG 3030 Adventures in Emerging Media  3 hrs
DIG 3024 Digital Cultures & Narrative  3 hrs
DIG 3043 Evolution of Video Games  3 hrs
DIG 3134 Media Software Design  3 hrs
DIG 3480 Computer as a Medium  3 hrs
DIG 3525 Digital Media Production I  3 hrs
DIG 3583 Information Management and Entrepreneurship  3 hrs
DIG 3716C Internet Interaction  3 hrs
DIG 3811 User-Centered Design  3 hrs
DIG 4630C Media Business Practices  3 hrs
DIG 4713 Game Design  3 hrs
DIG 4780C Modeling for Realtime Systems  3 hrs
FIL 4040 Animation Film History for Non Film Majors  3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum grade of “C” (2.0) or better is required in each course used to satisfy the minor, except in DIG 2000 where a “B” (3.0) or better is required.
- At least 12 hours used in the minor must be earned at UCF within the School of Visual Arts and Design.
- No credit by exam (TSD, Military credit) may be used.
- Internship, cooperative education, or Independent Study credit can be used in the minor only with prior written permission from a school advisor.
Diplomacy - Minor
College of Sciences
College of Arts and Humanities
Department of Political Science, P
hillips Hall, Room: 302
http://politicalscience.cos.ucf.edu
Department of History, Colbourn Hall, Room: 551
http://history.cah.ucf.edu/
Dr. R. Handberg, 407-823-2608
Dr. J. Sacher, 407-823-2225

In an increasingly shrinking, interdependent world, an understanding of diplomacy and diplomatic processes is critical for work in global business, international organizations and government. Students who complete this minor will gain experience in diplomatic history, concepts, theories, methods, protocol and practice.

Admission Requirements
  None
Minor Requirements
  A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
  At least 15 hours used in the minor must be earned at UCF within the participating departments.

Prerequisite Courses
  Most courses for this minor will have prerequisites completed as a part of a student’s GEP requirement, as general electives, or a student can enroll into courses with consent of instructor.

Required Courses (6 hrs)
  AMH 4513 United States as a Great Power: 1945-Present 3 hrs
  INR 4030 Diplomacy 3 hrs
  INR 4102 American Foreign Policy 3 hrs

Restricted Electives (9 hrs)
  Select from the following:
    AMH 4512 US Diplomatic History: 1914-1945 3 hrs
    ASH 4404 Modern China 3 hrs
    EUH 3242 Modern Europe and the First World War 3 hrs
    EUH 3281 Second World War and Rebirth of Europe 3 hrs
    EUH 4574 History of Russia: 1901-1917 3 hrs
    EUH 4576 History of Russia in the 20th Century 3 hrs
    EUH 4620 European Great Powers: 1815-1914 3 hrs
    EUH 4663 History of Communism in Europe 3 hrs
    INR 4054 Global Politics of Energy 3 hrs
    INR 4074 Immigration Policy 3 hrs
    INR 4075 Human Rights Policy 3 hrs
    INR 4076 Global Drug Policy 3 hrs
    INR 4104 Topics and Cases in American Foreign Policy 3 hrs
    INR 4114 American Security Policy 3 hrs
    INR 4351 International Environmental Law 3 hrs
    INR 4401 International Law 3 hrs
    INR 4502 International Organizations 3 hrs
    INR 4603 International Relations Theory 3 hrs
    INR 4714 Politics of International Trade Policy 3 hrs
    POT 4314 Contemporary Democratic Theory 3 hrs
    POT 4632 Religion and Politics 3 hrs

Foreign Language Requirements
  None

Total Semester Hours Required
  18

Other Requirements
  No credit by exam (TSD, Military credit) may be used.
  Internship, Co-op or Independent Study credit cannot be used toward the minor.

Diversity and Social Inequality - Minor
College of Sciences
Department of Sociology,
Howard Phillips Hall, Room: 403
http://sociology.ucf.edu
Dr. Lin Huff-Corzine, sociology@ucf.edu, 407-823-3744

The Diversity and Social Inequality Minor examines the social class, status, and power in contemporary global society. The minor facilities an understanding of social inequalities related to age, gender, race and ethnicity, social class and stratification, sexual orientation, religion, and family. The minor prepares students for careers and graduate school in a variety of fields, including those in non-profit agencies, human resources, and service organizations.

Minor Admission Requirements
  The minor is not open to Sociology majors.
  Courses used to satisfy the Restricted Electives of this minor cannot be used to satisfy other Sociology minors.

Minor Requirements
  Students are expected to have a minimum GPA of 2.0 in the minor and earn a “C” or better in each course used to satisfy the minor.
  At least 15 hours used in the minor must be earned at UCF within the department of Sociology.

Prerequisite Courses
  Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (6 hrs)
  SYO 3530 Social Power and Inequality 3 hrs

Required: Complete one of the following: (3 hrs)
  SYG 2000 Introduction to Sociology or 3 hrs
  SYG 2010 Social Problems 3 hrs

Restricted Electives (12 hrs)
  Select from the following:
    SYD 3700 Race and Ethnicity 3 hrs
    SYD 3800 Sex and Gender in Society 3 hrs
    SYD 4810 Women in Contemporary Society 3 hrs
    SYD 4813 Women, Law and Social Change 3 hrs
    SYG 3060 Sociology of Sex and Reproduction 3 hrs
    SYP 3323 Video Games in Society 3 hrs
    SYP 4420 The Consumer Society 3 hrs
    SYP 4454 Global Inequality and Society 3 hrs
    SYP 4732 Minority Aging 3 hrs

Foreign Language Requirements
  None

Total Semester Hours Required
  18

Other Requirements
  No credit by exam (TSD, Military credit) may be used.
  Internship, Co-op or Independent Study credit cannot be used toward the minor.
Minors
Early Childhood Development and Education - Minor
College of Education and Human Performance
Department of Child, Family and Community Sciences, Education Building, Room: 209
http://education.ucf.edu/ece/
Email: ece@ucf.edu
Dr. Judy Levin, ED 122L, Judith.levin@ucf.edu
Phone: 407-823-4615

The Early Childhood Development and Education minor is intended to provide a limited, but substantive experience in the fields of development and early childhood education. The minor is intended for University students enrolled outside the Early Childhood Development and Education major and does not lead to teacher certification or admission to the College of Education and Human Performance. The minor is appropriate for students who are seeking an enhanced understanding of education and development or are considering a career working with young children in the fields of early childhood education, social work, psychology or health services. This minor will strengthen the marketability of the student’s major program. This minor is available for students in the 2003 catalog year and beyond.

Minor Admission Requirements
■ Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from an approved Florida College System or State University System institution.
■ A minimum overall GPA of 2.75.
■ No credit by exam (CLEP, Military credit) may be used. Transfer credits from other universities will be considered.

Minor Requirements
■ Must maintain a minimum overall MINOR GPA of 2.75.
■ At least 12 hours used in the minor must be earned at UCF.
■ Once the Early Childhood Development and Education Minor has been declared and approved, Early Childhood Development and Education Minor students must schedule an appointment with their program advisor listed on their ECDE Minor DARS Audit.
■ NOTE: Completion of the Early Childhood Development and Education Minor does not complete the requirements for certification in Early Childhood Development.

Prerequisite Courses
■ None

Required Courses
EEC 4661 Early Childhood Education Theory and Practice 3 hrs
RED 3310 Early Reading, Writing and Language Arts 3 hrs
EEC 4604 Classroom Management and Guidance of Young Children 3 hrs
EEC 3700 Social and Emotional Development of Young Children 3 hrs
EEX 3450 Young Children With Special Needs 3 hrs

Total Semester Hours Required 21

Other Requirements
■ None

Economics - Minor
College of Business Administration
Department of Economics,
Business Administration II, Room: 305
http://www.bus.ucf.edu/economics
Dr. David Scrogin, BA2 302U, David.Scrogin@ucf.edu, 407-823-4129
Dr. Nora Underwood, BA2 302N, 407-823-1403
Phone: 407-823-3266

(For both Business Majors and non-Business Majors)

The Economics Minor is designed to complement a broad range of business and non-business majors. The Minor requires a core of courses in economic theory and applications along with a selection of electives that can be tailored to the student’s personal interests. This Minor is highly recommended for students considering graduate school in business, economics, law or public administration. Not open to students in the Economics (BS) or Economics (BSBA). Not open to students in the Mathematical Economics concentration of the Mathematics (BS) major.

Minor Admission Requirements
■ None

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses
ECO 2013 Principles of Macroeconomics 3 hrs
ECO 2023 Principles of Microeconomics 3 hrs

Select 1:
ECO 3101 Intermediate Microeconomics 3 hrs
ECO 3203 Intermediate Macroeconomics 3 hrs

Total Semester Hours Required 18

Other Requirements
■ A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
■ Grades below “C” (2.0) or “S” grades from other institutions are not accepted.
■ Courses taken at Florida College System institutions do not substitute for upper division courses.
■ Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
■ At least nine hours used in the minor must be earned at UCF within the department.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship, Independent Study, or Directed Research credit cannot be used toward the minor.

Foreign Language Requirements
■ None

UNIVERSITY OF CENTRAL FLORIDA
Minors

Education - Minor
College of Education and Human Performance
School of Teaching, Learning, and Leadership,
Education Building, Room: 206F
http://education.ucf.edu/edminor
Lindsay Archambault, lindsay.archambault@ucf.edu, 407-823-2881

The Education minor is intended to provide for university students outside the College of Education and Human Performance a limited but substantial experience in the fields of professional education. Students who successfully complete this minor can expect to increase their marketability in careers that include educational components such as instructing, training, and lecturing. This minor is designed to promote student success in instructional settings, particularly in the high school setting, but does not directly qualify students for teacher certification or admission into the College of Education and Human Performance. This minor is not available to students in pending status in a College of Education and Human Performance major. This minor is available for students in the 2007 catalog year and beyond.

Minor Admission Requirements
- Have a minimum 2.5 overall GPA
- Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from an approved Florida College System or State University System institution.

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (15 hrs)
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- EDF 4477 Learning Theory and Assessment 3 hrs
- EDF 4410 Teaching Strategies and Classroom Management 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

Restricted Electives (3 hrs)
- Select one
  - MAE 4034 Programs in Teaching of Mathematics 3 hrs
  - SSE 4936 Programs in Teaching Social Science 3 hrs
  - LAE 4342 Programs in Teaching Language and Composition 3 hrs
  - LAE 4464 Survey of Adolescent Literature 3 hrs
  - SCE 4361 Programs in Teaching Science 3 hrs
  - PET 4710 Methods for Physical Activity for Children and Adolescents 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A grade of “C” (2.0) or better is required in each course used to satisfy the minor.
- A minimum GPA of 2.5 of all Gordon Rule classes is required.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (CLEP, Military credit) may be used. Transfer credits from other universities will be considered.

NOTE:
- Completion of the minor does not complete the requirements for teacher certification nor does it constitute admission to the College of Education and Human Performance.
- Students may enroll in the Education Minor or a Minor in a Content Area, but not both.

Emergency Management and Homeland Security - Minor
College of Health and Public Affairs
School of Public Administration,
Health and Public Affairs II, Room: 238
http://www.cohpa.ucf.edu/publicadmin
Dr. Claire Knox, claire.knox@ucf.edu, 407-823-2604

The minor in emergency management and homeland security provides students with an opportunity to comprehensively study the disaster management cycle, including emergency planning, mitigation, response and recovery. In an age of dense population, increased terrorism, unpredictable weather and high public expectations of risk reduction and public leadership, this is an exciting area of study. Students who complete a minor in emergency management and homeland security gain additional insight and knowledge that will help them find positions in various federal, state and local government or nonprofit organizations. Some of these may include the Health and Human Services Agency (HHS), the Environmental Protection Agency (EPA), the Occupational Health and Safety Administration (OSHA), the Federal Emergency Management Agency (FEMA), the Department of Homeland Security (DHS), American Red Cross, and state and local homeland security agencies.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (15 hrs)
- PAD 4822 Intergovernmental Administration 3 hrs
- PAD 4392 Emergency Management and Homeland Security 3 hrs
- PAD 4712 Information Systems for Public Managers and Planners 3 hrs
- PAD 4395 Disaster Response and Recovery 3 hrs
- PAD 4390 Hazard Mitigation and Preparedness 3 hrs

Restricted Electives (3 hrs)
- Select one
  - DSC 4012 Terrorism or 3 hrs
  - DSC 4013 Homeland Security and Criminal Justice 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- Grades below “C” (2.0) or “S” grades are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department.
- Internship or Independent Study cannot be used toward the minor.
- Students must earn a “C” (2.0) or better in each course in the minor.

Engineering Leadership - Minor
College of Engineering and Computer Science
Dr. Timothy Kotnour, Timothy.Kotnour@ucf.edu, 407-823-5645

Provides a knowledge base in technical leadership and management principles and practices in a technical environment. This certificate is designed to enhance the student’s marketability, preparation and career viability as they enter the engineering and computer science professions.
## Minor Admission Requirements
- Students must have a declared Computer Science or engineering major. Not open to students in engineering pending majors.

## Minor Requirements
- None

## Required Courses
- **(19 hrs)**
  - Discipline specific design course in engineering or Computer Science
    - LDR 2001 Foundations of Leadership 2 hrs
    - LDR 2002 Intermediate Foundations of Leadership 2 hrs
    - MAN 3025 Management of Organizations 3 hrs
    - PHI 3638 Ethical Issues in the 21st Century 3 hrs
    - EGS 3030 Leadership in Engineering I 0 hrs
    - EGS 3031 Leadership in Engineering II 0 hrs
    - EGS 4950 Engineering Leadership Capstone 3 hrs

## Pick one of the following
- **3 hrs**
  - MAR 3391 Professional Selling or ENT 4183 Technological Entrepreneurship 3 hrs

## Foreign Language Requirements
- None

## Total Semester Hours Required
- **19**

## Other Requirements
- Students must have a minimum grade of “C” (2.0) or Satisfactory (in eligible courses) in all courses in the minor.
- Not open to students seeking the Engineering Leadership Certificate.
- Any course substitution must be approved by the Associate Dean responsible for Undergraduate Curriculum within CECS.

## English - Creative Writing - Minor
### College of Arts and Humanities
### Department of English, Colbourn Hall, Room: 405
### http://english.ucf.edu/
### Email: english@ucf.edu
Dr. Trey Philpotts, 407-823-5596

## Minor Admission Requirements
- None

## Minor Requirements
- None

## Prerequisite Courses
- None

## Required Courses
- **(6 hrs)**
  - CRW 3013 Creative Writing for English Majors 3 hrs
  - CRW 3053 Theory & Practice of Creative Writing 3 hrs

## Restricted Electives
- **(6 hrs)**
  - Select one course after completing CRW 3013
    - CRW 3211 Creative Nonfiction Writing 3 hrs
    - CRW 3310 Poetry Writing Workshop 3 hrs
    - CRW 3610 Writing Scripts 3 hrs
  - Select one course
    - CRW 4122 Advanced Fiction Writing Workshop 3 hrs
    - CRW 4224 Advanced Nonfiction Workshop 3 hrs
    - CRW 4320 Advanced Poetry Writing Workshop 3 hrs
    - CRW 4616 Advanced Scriptwriting Workshop 3 hrs

Please note that students will be allowed to take only one course in each of the above categories. Students wishing to take more workshop courses should consider a double major.

## English - Linguistics - Minor
### College of Arts and Humanities
### Department of English, Colbourn Hall, Room: 405
### http://english.ucf.edu/
### Email: english@ucf.edu
Dr. Trey Philpotts, 407-823-5596

## Minor Admission Requirements
- None

## Minor Requirements
- None

## Prerequisite Courses
- None

## Required Courses
- **(9 hrs)**
  - LIN 3010 Principles of Linguistics 3 hrs
  - LIN 4105 History of the English Language 3 hrs
  - LIN 4680 Modern English Grammar 3 hrs

## Restricted Electives
- **(9 hrs)**
  - LIN 4643 Cross Cultural Communication 3 hrs
  - LIN 4660 Linguistics and Literature 3 hrs
  - LIN 4801 Language and Meaning 3 hrs
  - LIN 5137 Linguistics 3 hrs
  - ANT 3610 Language and Culture 3 hrs
  - PHI 4400 Philosophy of Science 3 hrs
  - PHI 4221 Philosophy of Language 3 hrs
  - SPA 3112 Basic Phonetics 3 hrs
  - Or any course approved by the Linguistics Committee 3 hrs

## Foreign Language Requirements
- None

## Total Semester Hours Required
- **18**

## Other Requirements
- A grade of “C” (2.0) or better is required in each course used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
English - Literature - Minor
College of Arts and Humanities
Department of English, Colbourn Hall, Room: 405
http://english.ucf.edu/
Email: english@ucf.edu
Dr. Trey Philpotts, 407-823-5596

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (3 hrs)
1 ENG 3014 Theories and Techniques of Literature Study

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A grade of “C” (2.0) or better is required in each course used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

English Language Arts Education - Minor
College of Education and Human Performance
School of Teaching, Learning, and Leadership, Education Building, Room: 209
http://education.ucf.edu/englished/
Dr. Elsie Olan, ED 223N, Elsie.Olan@ucf.edu
Phone: 407-823-5179

The English Language Arts Education minor is intended for non-English Language Arts Education majors. It is well suited for students majoring in another secondary content area or as an area for students enrolled in Interdisciplinary Studies. This minor is available for students in the 2008 catalog year and beyond. This minor is not available to students in pending status in a College of Education and Human Performance major.

Minor Admission Requirements
- Have a minimum 2.5 overall GPA.
- Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from a Florida College System or State University System institution.

Minor Requirements
- None

Required Courses (18 hrs)
EDG 4410 Teaching Strategies and Classroom Management 3 hrs
EDF 4467 Learning Theory and Assessment 3 hrs
TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs
LAE 4466 Canon, Young Adult Literature and the English Language Arts Curriculum 3 hrs
LAE 4360 English Instructional Analysis 3 hrs
Select 1: 3 hrs
LAE 4342 Programs in Teaching Language and Composition or 3 hrs
LAE 4464 Survey of Adolescent Literature or 3 hrs
LAE 4361 Literacy Strategies in a Digital Age for Middle and High School 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- Students should see an advisor prior to registering for classes
- Students must complete 18 hrs of courses in English as co-requisites
- Obtain a minimum 2.5 GPA in courses required for minor
- At least 12 hours in the minor must be earned at UCF
Minors

Entrepreneurship - Minor
College of Business Administration
Department of Management,
Business Administration I, Room: 309
Open to Business and Non-Business Students
http://www.cel.ucf.edu
Dr. Cameron Ford, cford@ucf.edu
Phone: 407-823-5569

The entrepreneurship minor provides students from all academic disciplines with entrepreneurial skills needed to create successful startup ventures, new corporate initiatives, and potent non-profit organizations. This minor is a great complement to students’ education because it adds broad entrepreneurial thinking skills to the deep discipline-based expertise provided by academic majors. Participants will learn how to recognize opportunities, formulate solutions, and deliver results to those in need. These skills are essential to starting new businesses, and are valued by small and large organizations seeking employees who can create and lead innovative new initiatives.

Minor Admission Requirements
None

Minor Requirements
None

Prerequisite Courses
None

Required Courses (12 hrs)
ENT 3613 Creativity and Entrepreneurship 3 hrs
ENT 4013 New Venture Design 3 hrs
ENT 4014 New Venture Implementation 3 hrs

Select 1:
ENT 4183 Technological Entrepreneurship or 3 hrs
ENT 4503 Social Entrepreneurship 3 hrs

1 Students admitted to the Launching the Venture program (details available at www.cel.ucf.edu) may substitute ENT 4948 Launching the Venture I and ENT 4949 Launching the Venture II for these required courses.

Required Courses (12 hrs)

Select 2:
EGN 4614C Engineering Entrepreneurship or 3 hrs
ENT 4183 Technological Entrepreneurship or 3 hrs
ENT 4412 Managing Small Business Finances or 3 hrs
ENT 4503 Social Entrepreneurship or 3 hrs
ENT 4948 Launching the Venture I or 3 hrs
ENT 4949 Launching the Venture II or 3 hrs
ENT 4906 Directed Independent Study or 1 hr
ENT 4942 Entrepreneurial Internship or 3 hrs
MAR 3407 Contemporary Selling or 3 hrs
MAR 3765 Entrepreneurial Marketing 3 hrs

1 Requires completion of the College of Business Common Program
Prerequisites and Primary Core as prerequisites. Therefore, these courses are not available to non-business majors.
2 Students must apply for the Launching the Venture program in late spring and be admitted before being permitted to register for Launching the Venture I (fall) and Launching the Venture II (spring). Details for this program are available at www.cel.ucf.edu
3 Independent study requires students to develop a portfolio of new venture deliverables that demonstrate specific entrepreneurship competencies. Competencies addressed, milestones completed, and deliverables required will be determined in consultation with supervising faculty. Details regarding independent study opportunities are available at www.cel.ucf.edu
4 Internships must be in collaboration with a local startup, small business, or entrepreneurship support organization. Internship packets are available in the Management Department (BA1-309).

Foreign Language Requirements
None

Total Semester Hours Required
18

Other Requirements

A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
Grades below “C” (2.0) or “S” grades from other institutions are not accepted.
Courses taken at Florida College System institutions do not substitute for upper division courses.
Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
At least 12 hours used in the minor must be earned at UCF.
No credit by exam (TSD, Military credit) may be used.
A maximum of 6 hours of the above listed required or elective courses can count toward another major or minor degree program.

Environmental Studies - Minor
College of Undergraduate Studies
Office of Interdisciplinary Studies,
Classroom I, Room: 302
http://www.is.ucf.edu
Email: is@ucf.edu
Phone: 407-823-0144

The Environmental Studies minor is an interdisciplinary program that prepares students for a diverse set of academic endeavors and careers. It delivers the tradition of a liberal arts education with the rigor of the natural and social sciences, providing the introspection and artistic presentation of the humanities with the inquisitiveness that we share concerning our environment.

Minor Admission Requirements
None

Minor Requirements
None

Prerequisite Courses
None

Required Courses (3 hrs)
IDS 3150 Foundations of Environmental Studies 3 hrs

Restricted Electives (18 hrs)
Take 9 hours from each section.

Science Electives (9 hrs)
BCH 4053 Biochemistry I 3 hrs
BCH 4054 Biochemistry II 3 hrs
BOT 3152C Local Flora 3 hrs
BOT 3802 Ethnobotany 3 hrs
BOT 4303C Plant Kingdom 5 hrs
BOT 4713C Plant Taxonomy 5 hrs
BSC 4312C Advanced Marine Biology 4 hrs
CHM 3120 Analytical Chemistry 3 hrs
GIS 3043C GIS for Environmental Studies 3 hrs
GIS 4301C Advanced GIS Applications in Environmental Studies 4 hrs
OCE 3008 Oceanography 3 hrs
PCB 3063 Genetics 3 hrs
PCB 3442 Aquatic Ecology 3 hrs
PCB 4683 Evolutionary Biology 4 hrs
PCB 4723 Animal Physiology 4 hrs
PCB 5045 Conservation Biology 4 hrs
PCB 5326C Ecosystems of Florida 5 hrs
1 GIS 3043 and GIS 4301 can be used in either the Science or the Values, Planning, and Policy area but cannot be used in both.

Values, Planning, and Policy Electives (9 hrs)
ANT 3541 Biobehavioral Anthropology 3 hrs
BOT 3802 Ethnobotany 3 hrs

18
Minors

European Studies - Minor
College of Sciences
Department of Political Science,
Howard Phillips Hall, Room: 302
http://www.cos.ucf.edu/politicalscience
Email: politics@mail.ucf.edu

Dr. Kerstin Hamann
Phone: 407-823-2608

An interdisciplinary minor that offers students a general background in the politics, history, literature, art, and culture of Europe with an emphasis on the post-World War II period. Courses are to be selected in consultation with a departmental advisor or the Director of European Studies.

Minor Admission Requirements

■ None

Minor Requirements

■ A grade of "C" (2.0) or better is required for all courses counting towards the minor.

■ A maximum of 6 hours of Study Abroad credit in equivalent courses can be used, with no more than 3 credits in one area.

■ At least 18 hours used in the minor must be taken at UCF.

■ At least 15 credits used in the minor must be upper division.

■ No more than 6 credit hours (separate from the foreign language requirement) may be used toward the European Studies minor and also used toward any other major or minor.

Prerequisite Courses

■ Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (6 hrs)

- CPO 4101 Politics of the European Union 3 hrs
- LIT 3082 Continental European Fiction Since 1900 3 hrs

Restricted Electives (15 hrs)

■ Course substitutions are subject to prior approval by the director.

Literature, Film, and Culture:

Select from the following courses: 3 hrs

■ Note: Courses offered by the Modern Languages Department might be offered in a language other than English.

- ENL 2022 English Literature II or 3 hrs
- ENL 4101 English Novel or 3 hrs
- ENL 4240 English Romantic Writers or 3 hrs
- ENL 4262 Nineteenth Century British Prose or 3 hrs
- ENL 4273 Modern British Literature or 3 hrs
- FIL 3820 Italian Film or 3 hrs
- FIL 3822 French Film or 3 hrs
- FIL 3823 German Film or 3 hrs
- FIL 3824 Italian Neo-Realist Cinema or 3 hrs
- FRE 4500 French Civilization and Culture or 3 hrs
- FRT 3862 French Contemporary Pop Culture or 3 hrs
- FRW 3370 Short Stories of 19th, 20th and 21st Centuries or 3 hrs
- FRW 4281 20th Century French Novels or 3 hrs
- FRW 4532 20th Century French Drama or 3 hrs
- FRW 4533 French Romanticism or 3 hrs
- FRW 4552 Nineteenth Century French Literature or 3 hrs
- GER 3102 Germany - Past to Present or 3 hrs
- GER 4520 Modern Germany or 3 hrs
- GEW 3101 Survey of German Literature II or 3 hrs
- GEW 3370 Short Story or 3 hrs
- GEW 3480 German Post-War Literature or 3 hrs
- GEW 4482 German Children’s Literature or 3 hrs
- GEW 4531 The Age of Goethe and Schiller or 3 hrs
- ITT 4956 Study Abroad: Modern and Contemporary Italian Culture or 3 hrs
- ITW 3101 Survey of Italian Literature II or 3 hrs
- JST 3751 Literature of the Holocaust or 3 hrs
- LIT 4194 Irish Literature or 3 hrs
- SPW 3101 Survey of Spanish Literature II or 3 hrs
- SPW 3370 Spanish Short Story or 3 hrs
- SPW 4272 20th Century Spanish Novel or 3 hrs
- SPW 4322 Contemporary Iberian Theatre or 3 hrs
- SPW 4450 Spanish Literary Theory or 3 hrs
- SPW 4460 Nineteenth Century Spanish Literature or 3 hrs
- SPW 4720 The Generation of 1898 or 3 hrs

Other Requirements

- At least 15 credits must be upper division.
- A maximum of 6 hours of Study Abroad credit in equivalent courses can be used, with no more than 3 credits in one area.
- At least 18 hours must be taken at the upper division.
- A grade of "C" (2.0) or above is required in each course used to satisfy the minor.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study require prior approval from the Interdisciplinary Studies advisers to be used toward the minor.
- Internship, Independent study, and co-op credit cannot be used in this minor without prior approval from the Interdisciplinary Studies advisers.

Foreign Language Requirements

■ None

Total Semester Hours Required

■ 21

Languages

ECP 4303 Environmental and Natural Resource (3 hrs)
ENC 3241 Writing for the Technical Professional (3 hrs)
ENC 4360 Nature Writing (3 hrs)
1 GIS 3043C GIS for Environmental Studies (3 hrs)
1 GIS 4301C Advanced GIS Applications in Environmental Studies (4 hrs)
INR 4351 International Environmental Law (3 hrs)
PAD 3330 Urban and Regional Planning (3 hrs)
PAP 4251 Issues in Environmental Program (3 hrs)
Management

PHI 3033 Philosophy, Religion, and the Environment (3 hrs)
PHI 4400 Philosophy of Science (3 hrs)
PHI 3640 Environmental Ethics (3 hrs)
PHI 4633 Ethics and Biological Science (3 hrs)
PHM 4031 Environmental Philosophy (3 hrs)
PLA 4554 Environmental Law (3 hrs)
PUP 3203 Environmental Politics (3 hrs)
PUP 3204 Sustainability (3 hrs)
PUP 4209 Urban Environmental Policy (3 hrs)

1 GIS 3043 and GIS 4301 can be used in either the Science or the Values, Planning, and Policy area but cannot be used in both.
### Minors

#### Political Science or Economics:

<table>
<thead>
<tr>
<th>Select from the following courses:</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPO 3104</td>
<td>Politics of Western Europe or</td>
</tr>
<tr>
<td>CPO 3614</td>
<td>Politics of Eastern Europe or</td>
</tr>
<tr>
<td>CPO 4074</td>
<td>Political Economy or</td>
</tr>
<tr>
<td>CPO 4123</td>
<td>Government and Politics of Great Britain or</td>
</tr>
<tr>
<td>CPO 4445</td>
<td>Comparative Political Parties or</td>
</tr>
<tr>
<td>CPO 4643</td>
<td>Government and Politics of Russia or</td>
</tr>
<tr>
<td>CPO 4754</td>
<td>Comparative Political Institutions or</td>
</tr>
<tr>
<td>ECO 3703</td>
<td>International Microeconomics or</td>
</tr>
<tr>
<td>ECO 4303</td>
<td>History of Economic Thought or</td>
</tr>
<tr>
<td>INR 4035</td>
<td>International Political Economy</td>
</tr>
</tbody>
</table>

**Other areas:**
- May be taken from any of the above electives; Foreign Language Across the Curriculum (FLAC) courses linked to any of the above electives, or one of the following:

<table>
<thead>
<tr>
<th>Select from the following courses:</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 4430</td>
<td>19th Century Art or</td>
</tr>
<tr>
<td>ARH 4450</td>
<td>20th Century Art or</td>
</tr>
<tr>
<td>PHH 3041</td>
<td>Russian Philosophy or</td>
</tr>
<tr>
<td>PHH 3510</td>
<td>Marx and Nietzsche or</td>
</tr>
<tr>
<td>PHP 3783</td>
<td>Modernity as a Philosophical Problem or</td>
</tr>
<tr>
<td>PHP 3786</td>
<td>Existentialism or</td>
</tr>
<tr>
<td>PHP 4782</td>
<td>Phenomenology</td>
</tr>
</tbody>
</table>

**Foreign Language Requirements**
- Two years (four semesters) or equivalent proficiency exam in French, German, Greek, Italian, Portuguese, Russian, or Spanish (other languages require approval of director).

#### Total Semester Hours Required
- 21

#### Other Requirements
- No credit by exam (military credit, TSD) may be used toward the minor.

### Event Management - Minor

#### Rosen College of Hospitality Management

#### Department of Tourism Event and Attractions

9907 Universal Blvd. Orlando, FL 32819

[http://www.hospitality.ucf.edu](http://www.hospitality.ucf.edu)

**Email:** Hospitality@ucf.edu

**Phone:** (407) 903-8000

This minor is well suited and intended for students who have interest in the field of the performing arts (Music, Arts, and Theater). The Event Management minor is geared to expose and increase students' knowledge base of the growing hospitality and event industries. This program teaches students how to strategically promote various types of events and how to identify potential risk while planning and executing an event(s). Students will be able to individualize their minor by the option to choose two restricted event management electives focused toward their career interest.

#### Admission Requirements
- Not open to majors of the Rosen College of Hospitality Management.

#### Minor Requirements
- None

#### Prerequisite Courses
- Students who have not completed the prerequisites should contact the Instructor for consent to enroll.

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>(12 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 HFT 2750</td>
<td>The Event Industry</td>
</tr>
<tr>
<td>HFT 3443</td>
<td>Event Technology</td>
</tr>
<tr>
<td>HFT 3512</td>
<td>Event Promotion</td>
</tr>
<tr>
<td>HFT 3670</td>
<td>Hospitality and Event Risk Management</td>
</tr>
</tbody>
</table>

1 HFT 2750 is the prerequisite course for all upper level Event Management courses.

### Restricted Electives  

#### (6 hrs)

<table>
<thead>
<tr>
<th>Select 2:</th>
<th>6 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 3519</td>
<td>Event Services or</td>
</tr>
<tr>
<td>1 HFT 3523</td>
<td>Event Sales or</td>
</tr>
<tr>
<td>HFT 3741</td>
<td>Meeting Management or</td>
</tr>
<tr>
<td>HFT 3798</td>
<td>Fairs and Festivals or</td>
</tr>
<tr>
<td>HFT 4795</td>
<td>Entertainment Arts and Events or</td>
</tr>
<tr>
<td>HFT 4796</td>
<td>International Events</td>
</tr>
</tbody>
</table>

1 Prerequisite is HFT 3519.

### Foreign Language Requirements
- None

#### Total Semester Hours Required
- 18

#### Other Requirements
- A minimum GPA of 2.0 in all courses used to satisfy the minor.
- At least 12 credit hours used in the minor must be earned at UCF within the Rosen College.
- No credit by exam (TSD, Military credit) may be used in the minor.
- Final Exams will be given during Final Exam week only.
- No substitutions are allowed for any of the required minor courses.

### Exceptional Student Education - Minor

#### College of Education and Human Performance

#### Department of Child, Family and Community Sciences, Education Complex, Room: 315P

[http://education.ucf.edu/academics_minors.cfm](http://education.ucf.edu/academics_minors.cfm)

Dr. Maria Reyes, Program Coordinator, maria.reyes@ucf.edu

The Exceptional Student Education minor is intended to provide a limited, but substantive experience in the fields of education and exceptional children. The minor does not lead to teacher certification or admission to the College of Education and Human Performance. The minor is appropriate for students who are seeking an enhanced understanding of education or are considering a career in the fields of education or exceptional education. This minor will strengthen the marketability of the student's major program.

#### Minor Admission Requirements
- Minimum 2.5 overall GPA
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida College System or State University System institution.

#### Minor Requirements
- Students must earn a “C” (2.0) in all minor courses.
- Students must choose an elementary, early childhood or secondary focus.

#### Prerequisite Courses
- None

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>(12 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEX 4066</td>
<td>Curriculum, Theory and Instructional</td>
</tr>
<tr>
<td>EEX 4601</td>
<td>Introduction to Behavior Management</td>
</tr>
<tr>
<td>EEX 4763</td>
<td>Technology for Classroom Teachers of Students with Special Needs</td>
</tr>
<tr>
<td>EEX 3221</td>
<td>Assessment of Exceptional Students</td>
</tr>
<tr>
<td>EEX 4070</td>
<td>Teaching Exceptional Students</td>
</tr>
<tr>
<td>EEX 4070</td>
<td>Exceptional Students</td>
</tr>
</tbody>
</table>

1 Prerequisite is HFT 3519.

#### Restricted Electives  

#### (6 hrs)

<table>
<thead>
<tr>
<th>Select:</th>
<th>6 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEX 3450</td>
<td>Young Children With Special Needs</td>
</tr>
<tr>
<td>EEX 3241</td>
<td>Methods for Academic Skills for Exceptional Students</td>
</tr>
<tr>
<td>EEX 3241</td>
<td>Methods for Academic Skills for Exceptional Students</td>
</tr>
</tbody>
</table>
Minors

Film - Cinema Studies - Minor
College of Arts and Humanities
School of Visual Arts and Design,
Nicholson School of Communication, Room: 121
http://svad.cah.ucf.edu/

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum GPA of 2.5 in all Gordon Rule classes including ENC 1101, 1102, and two college level math courses, MAC 1105C or higher, are required.
- No credit by exam (CLEP, Military credit) may be used. Transfer credits from other universities will be considered.
- Note: Completion of the minor does not complete the requirements for certification in Exceptional Student Education nor does it constitute admission in the College of Education and Human Performance.

Required Courses (12 hrs)
- FIL 2030 History of Motion Pictures 3 hrs
- FIL 3006 Art of the Cinema 3 hrs
- FIL 2423 Foundations of Production 3 hrs
- Select 1: 3 hrs
- FIL 1007 Foundations of Story or 3 hrs
- FIL 1000 Cinema Survey 3 hrs

Restricted Electives (6 hrs)
- Choose Two
  - FIL 3800C Images of Women in Film 3 hrs
  - FIL 3051 Avant-Garde Cinema 3 hrs
  - FIL 3820 Italian Film 3 hrs
  - FIL 3845 World Cinema Traditions 3 hrs
  - FIL 3841 French New Wave Cinema 3 hrs
  - FIL 3824 Italian Neo-Realist Cinema 3 hrs
  - FIL 3822 French Film 3 hrs
  - FIL 3823 German Film 3 hrs
  - FIL 3831 Black Cinema 3 hrs
  - FIL 3826 American Cinema 3 hrs
  - FIL 3871 The American Film Artist 3 hrs
  - FIL 4647 Film Production Management 3 hrs
  - FIL 3847 Latin American Cinema 3 hrs
  - FIL 3363C Film Documentary 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A grade of "C" (2.0) or better is required in all courses used to satisfy the minor.
- At least 12 hours must be earned at UCF within the department.
- No credit exam (TSD, Military credit) may be used.
- Internship, Co-op, Independent Study credit cannot be used toward the minor.

Finance - Minor
College of Business Administration
Department of Finance,
Business Administration I, Room: 409
Students seeking advising must go to BA 2 room 101.
http://web.bus.ucf.edu/academics/finance/

Open to business and non-business students. Not available to finance majors.

Minor Admission Requirements
- College of Business Students: Must meet Admission Standards for the Finance Major
- Non-Business Students: Meet Prerequisites Below

Minor Requirements
- None

Prerequisite Courses (14 hrs)
- (Non-Business Students)
- ECO 2013 Principles of Macroeconomics 3 hrs
- 1 MAC 2311C Calculus with Analytic Geometry I 4 hrs
- 1 MAC 2312 Calculus with Analytic Geometry II 4 hrs
- 1 STA 2023 Statistical Methods I 3 hrs
- 1 STA 3032 Probability and Statistics for Engineers 3 hrs
- 1 with a “B” or better

Required Courses (12 hrs)
- 1 FIN 3403 Business Finance 3 hrs
- 1 FIN 3414 Intermediate Corporate Finance 3 hrs
- 1 FIN 4243 Debt and Money Markets 3 hrs
- 2 FIN 4504 Equity and Capital Markets 3 hrs
- 1 ACG 2021 and ECO 2023 prerequisites are waived for non-business students.
- 2 or equivalent FIN 4504 Equity and Capital Markets

Restricted Electives (6 hrs)
- Select 2:
  - FIN 3461 Financial Statement Analysis or 3 hrs
  - FIN 4324 Commercial Bank Management or 3 hrs
  - FIN 4453 Financial Models or 3 hrs
  - FIN 4514 Portfolio Analysis and Management or 3 hrs
  - FIN 4533 Financial Derivatives or 3 hrs
  - FIN 4604 International Financial Management or 3 hrs
  - FIN 4424 Advanced Topics in Financial Management 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum GPA of 2.75 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) or “S” grades from other institutions are not accepted.
- Courses taken at Florida College System institutions do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- At least twelve hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.
- A maximum of 6 hours of the above listed required or elective courses can count toward another major or minor degree program.
Minors

Fitness Training - Minor
College of Education and Human Performance
Department of Educational and Human Sciences,
Education Building, Room: 209
Email: SESadvising@ucf.edu
Dr. David Fukuda, David.Fukuda@ucf.edu
Phone: 407-823-0623

The Fitness Training minor is for the students interested in working in wellness centers as personal trainers. This minor provides the knowledge and experiences to be successful in this growing and exciting area. The goal is to provide guided practical skills application to those students who wish to teach fitness related concepts to individuals and/or groups. With the knowledge acquired from the completion of the required coursework for the Fitness Training Minor, students will be prepared and eligible to seek industry certification in the Sport and Fitness Profession. This Minor is available for students in the 2001 catalog year and beyond. The Fitness Training minor is not available to Sport and Exercise Science Pending and Sport and Exercise Science - Human Performance Track majors.

Minor Admission Requirements
- Have a minimum 2.5 overall GPA
- Complete the University General Education Requirements or its equivalent, i.e. an AA degree from a Florida College System or State University System Institution

Minor Requirements
- No grades below "C" (2.0) and no "S" grades will be accepted.
- At least 12 hours used in the minor must be earned at UCF.
- An overall GPA of 2.5 is required to satisfy the minor.

Prerequisite Courses
- BSC 2010C Biology I (or equivalent) 4 hrs
- ZOO 3736C Exercise Physiology Anatomy (or equivalent) 4 hrs

Required Courses (12 hrs)
- PET 4312C Kinesiology/Biomechanics 3 hrs
- PET 4550C Assessment and Evaluation in Exercise Science 3 hrs
- APK 4110C Exercise Physiology 3 hrs
- PET 3361 Nutrition and Metabolism in Sport and Exercise Science 3 hrs

Restricted Electives (6 hrs)
Select 2:
- PET 3771 Strength and Conditioning Concepts or Performance 3 hrs
- PET 3768 Group Exercise Instruction or Populations 3 hrs
- PET 4215 Motivational Aspects of Athletic Performance or 3 hrs
- PET 3125 Fitness and Weight Management or 3 hrs
- PET 4552 Exercise Prescription for Special Populations 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

Florida Studies - Minor
College of Arts and Humanities
Department of English, Colbourn Hall, Room: 405
http://english.ucf.edu
Email: english@ucf.edu
407-823-5596
Daniel Murphree, Daniel.Murphree@ucf.edu

Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- Students are responsible for meeting any prerequisites for the courses in the minor or for obtaining course instructor permission if prerequisites are not met.

Required Courses
- None

Restricted Electives (18 hrs)
- Courses used in the minor must be taken in at least three departments. Select from the following list:
  - AMH 3422 Frontier Florida 3 hrs
  - AMH 3425 Sunbelt Florida 3 hrs
  - AMH 4376 Literature of the South 3 hrs
  - AML 4261 U.S. Space History 3 hrs
  - AML 4265 Florida Writers 3 hrs
  - ANT 3158 Florida Archaeology 3 hrs
  - ANT 3393 American Indian Literature and Culture in Florida 3 hrs
  - ANT 3398 Black/Seminole Relations 3 hrs
  - ANT 4303 Anthropology of Tourism 3 hrs
  - LAH 4136 Colonial Florida 3 hrs
  - POS 3173 Southern Politics 3 hrs
  - POS 3182 Florida Politics 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A grade of “C” (2.0) or better is required in each course used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- No more than 3 credit hours may overlap with any other major or minor.

French - Minor
College of Arts and Humanities
Department of Modern Languages and Literatures,
Colbourn Hall, Room: 521
http://mll.cah.ucf.edu/
Dr. Charlotte Trinquet, ctrinque@ucf.edu

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (6 hrs)
- FRE 3420 French Composition 3 hrs
- FRE 3650 Advanced French Oral Communication 3 hrs

1 A native or near-native speaker must substitute an alternate upper division course for the advanced oral communication course.
<table>
<thead>
<tr>
<th>Course代号</th>
<th>课程名称</th>
<th>学分</th>
</tr>
</thead>
<tbody>
<tr>
<td>INR 4060</td>
<td>Causes of War</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EUH 3651</td>
<td>War and Society</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4060</td>
<td>Causes of War</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AMH 3547</td>
<td>U.S. Military History Since 1900</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AMH 4513</td>
<td>United States as a Great Power:</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ASH 3223</td>
<td>The Modern Middle East</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ASH 4243</td>
<td>History of Iraq</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ASH 4404</td>
<td>Modern China</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CPO 3057</td>
<td>Contemporary Revolution and Political Violence</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CPO 3403</td>
<td>Politics of the Middle East</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CPO 4784</td>
<td>Political and Economic Inequality in</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>Comparative Perspective</td>
<td></td>
</tr>
<tr>
<td>DSC 4012</td>
<td>Terrorism</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EUH 3281</td>
<td>Second World War and Rebirth of Europe</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EUH 4254</td>
<td>Fascism and Nazism in the Interwar</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EUH 4663</td>
<td>History of Communism in Europe</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 3253</td>
<td>International Politics of Africa</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4008</td>
<td>Global Perspectives</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4011</td>
<td>Politics of Globalization</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4030</td>
<td>Diplomacy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4060</td>
<td>Causes of War</td>
<td>3 hrs</td>
</tr>
</tbody>
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Global Peace and Security Studies - Minor

**College of Sciences**

**Department of Political Science,**

Howard Phillips Hall, Room: 302

[http://politicalscience.cos.ucf.edu](http://politicalscience.cos.ucf.edu)

**Department of History,** Colbourn Hall, Room: 551

[http://history.cah.ucf.edu](http://history.cah.ucf.edu)

Dr. P. Vasquez, 407-823-2608

Dr. J. Sacher, 407-823-2225

In the face of some of the most complicated international peace and security challenges and opportunities that the global community has ever encountered, the ability to understand the factors that contribute to conflict and conflict resolution is vitally important. Students who complete this minor will gain experience in the history of war and society, U.S. and international security policy, and causes of war.

**Admission Requirements**

- None

**Minor Requirements**

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Students majoring in history or political science can take no more than 3 hours of electives in their major department.

**Prerequisite Courses**

- Students must satisfy each course's prerequisite before enrolling in the class.

### Required Courses (6 hrs)

- EUH 3651 War and Society (3 hrs)
- INR 4060 Causes of War (3 hrs)

### Restricted Electives (12 hrs)

- AMH 3547 U.S. Military History Since 1900 (3 hrs)
- AMH 4513 United States as a Great Power: 1945-Present (3 hrs)
- ASH 3223 The Modern Middle East (3 hrs)
- ASH 4243 History of Iraq (3 hrs)
- ASH 4404 Modern China (3 hrs)
- CPO 3057 Contemporary Revolution and Political Violence (3 hrs)
- CPO 3403 Politics of the Middle East (3 hrs)
- CPO 4784 Political and Economic Inequality in Comparative Perspective (3 hrs)
- DSC 4012 Terrorism (3 hrs)
- EUH 3281 Second World War and Rebirth of Europe (3 hrs)
- EUH 4254 Fascism and Nazism in the Interwar Europe (3 hrs)
- EUH 4663 History of Communism in Europe (3 hrs)
- INR 3253 International Politics of Africa (3 hrs)
- INR 4008 Global Perspectives (3 hrs)
- INR 4011 Politics of Globalization (3 hrs)
- INR 4030 Diplomacy (3 hrs)
- INR 4060 Causes of War (3 hrs)

**Foreign Language Requirements**

- None

**Minor Admission Requirements**

- None

**Minor Requirements**

- None

**Prerequisite Courses**

- None

**Required Courses (20 hrs)**

- HIL 3006 Foundations of Health Information Management (HIM) (3 hrs)
- HIM 4508C Quality Management (HIM) (3 hrs)
- HIM 4656C Health Information Management Systems (3 hrs)
- HSC 3537 Medical Terminology (3 hrs)
- HIM 4226C Coding Procedures I (5 hrs)
- HIM 4256C Coding Procedures II (3 hrs)

**Restricted Electives**

- None

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 18

**Other Requirements**

- No credit by exam (TSD, Military credit) may be used.
- Internship, Independent Study, and substitute courses/new courses are allowed at the director’s discretion limited to a maximum of 3 credit hours.
Minors

Health Sciences - Minor
College of Health and Public Affairs
Department of Health Professions,
Health and Public Affairs I, Room: 267
L. Timothy Worrell, 407-823-5236

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (9 hrs)
- HUN 2201 Fundamentals of Human Nutrition 3 hrs
- HSC 3110 Medical Self Assessment 3 hrs
- HSC 3211 Preventive Health Care 3 hrs

Restricted Electives (9 hrs)
- HSC 3147 Introduction to Pharmacology 3 hrs
- HSC 4555 Pathophysiology I 3 hrs
- HSC 4558 Pathophysiology II 3 hrs
- HSC 4501 Epidemiology of Chronic Diseases 3 hrs
- HSC 3432 Occupational Safety for the Health Care Professional 3 hrs

1 PCB 3703C is a prerequisite for this course.

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- Majors may not count courses presently required in a department program.
- A minimum GPA of 2.5 is required in all coursework, and a minimum grade of "C" (2.0) is required in all Health Professions courses.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

Health Services Administration - Minor
College of Health and Public Affairs
Department of Health Management and Informatics,
Health and Public Affairs II, Room: 210
Email: hsainfo@ucf.edu
Philip Wessel, Undergraduate Program Director, hsainfo@ucf.edu
Phone: 407-823-2259

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (15 hrs)
- HSA 3111 U.S. Health Care Systems 3 hrs
- HSC 4201 Community Health 3 hrs
- HSA 4180 Organization & Management for Health Agencies I 3 hrs
- HSA 4191 Fundamentals of Health Information Technology 3 hrs
- HSC 4500 Epidemiology 3 hrs

Restricted Electives (3 hrs)
- Select 1:
  - HSC 4652 Health Law and Ethics or 3 hrs
  - HSA 4109 Principles of Healthcare Reimbursement, Insurance, and Managed Care Plans or 3 hrs
  - HIM 4508C Quality Management or 3 hrs
  - HSA 4702 Health Sciences Research Methods 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum GPA of 2.5 is required in all coursework, and a minimum grade of "C" (2.0) is required in all courses for the minor.
- At least 15 hours used in the minor must be earned at UCF within the department of Health Management and Informatics.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

History - Minor
College of Arts and Humanities
Department of History, Colbourn Hall, Room: 551
http://history.cah.ucf.edu/
Phone: 407-823-2225

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses
- None

Restricted Electives (18 hrs)
- 18 hours of AFH, AMH, ASH, EUH, HIS, LAH and/ or WOH courses offered by the History department. A minimum of 12 hours must be taken at the upper level.

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A grade of "C-" (1.75) or better is required in all courses used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used without academic advisor's approval.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental approval.
Hospitality Management - Minor
Rosen College of Hospitality Management
Department of Hospitality Services,
9907 Universal Boulevard, Orlando, FL 32819
http://www.hospitality.ucf.edu
Email: hospitality@mail.ucf.edu
Dr. Kevin S. Murphy, Department Chair
Dr. Abraham Pizam, Dean
Phone: 407-903-8000

Not available to majors within the Rosen College of Hospitality Management.

Minor Admission Requirements
• None

Minor Requirements
• None

Prerequisite Courses
• None

Required Courses (18 hrs)
Take all of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 1000</td>
<td>Introduction to the Hospitality and Tourism Industry and</td>
<td>3</td>
</tr>
<tr>
<td>HFT 3540</td>
<td>Guest Services Management I</td>
<td>3</td>
</tr>
</tbody>
</table>

Select 4 Courses (12 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 2401</td>
<td>Hospitality Industry Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>HFT 2500</td>
<td>Hospitality and Tourism Marketing</td>
<td>3</td>
</tr>
<tr>
<td>HFT 2220</td>
<td>Hospitality Human Resources Management</td>
<td>3</td>
</tr>
<tr>
<td>HFT 3444</td>
<td>Hospitality Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>HFT 3603</td>
<td>Legal Environment in the Hospitality and Tourism Industry</td>
<td>3</td>
</tr>
<tr>
<td>HFT 3224</td>
<td>Hospitality Management &amp; Leadership Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>HFT 3700</td>
<td>Tourism Management</td>
<td>3</td>
</tr>
<tr>
<td>HFT 3263</td>
<td>Restaurant Management</td>
<td>3</td>
</tr>
<tr>
<td>HFT 3273</td>
<td>Principles of Resort Timesharing</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4755</td>
<td>Theme Park and Attraction Management</td>
<td>3</td>
</tr>
<tr>
<td>HFT 2750</td>
<td>The Event Industry</td>
<td>3</td>
</tr>
<tr>
<td>HFT 2254</td>
<td>Lodging Operations</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4277</td>
<td>Club Management</td>
<td>3</td>
</tr>
</tbody>
</table>

Restricted Electives
• None

Foreign Language Requirements
• None

Total Semester Hours Required
• 18

Other Requirements
• A minimum overall GPA of “C” (2.0) or better in all courses used to satisfy the minor.
• At least 12 credit hours used in the minor must be earned at UCF within the College.
• No credit by exam (TSD, Military credit) may be used in the minor.
• It is the responsibility of the student to take whatever steps are necessary to determine if they have been officially dropped from a course. This does not remove the student’s responsibility for dropping courses they do not intend to complete.
• Final exams will be given during Final Exam Week only.
• Internship or Independent Study credit cannot be used toward the minor.

Human Communication - Minor
College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu
Dr. Jim Katt, jkatt@ucf.edu
Nicholson Academic Student Services, nassc@ucf.edu
Phone: 407-823-2681

Minor Admission Requirements
• Not open to Ad-PR, Human Communication, Journalism, or Radio-TV majors.

Minor Requirements
• None

Prerequisite Courses
• Students must satisfy course prerequisites before enrolling.

Required Courses (12 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COM 3013</td>
<td>Communication and the Family</td>
<td>3</td>
</tr>
<tr>
<td>COM 3022</td>
<td>Health Communication</td>
<td>3</td>
</tr>
<tr>
<td>COM 3110</td>
<td>Business and Professional Communication</td>
<td>3</td>
</tr>
<tr>
<td>COM 3332</td>
<td>Communication, Technology, and Change</td>
<td>3</td>
</tr>
<tr>
<td>COM 3406</td>
<td>Role of Motivation in Communication</td>
<td>3</td>
</tr>
<tr>
<td>COM 4014</td>
<td>Gender Issues in Communication</td>
<td>3</td>
</tr>
<tr>
<td>COM 4416</td>
<td>Terrorism and Communication</td>
<td>3</td>
</tr>
<tr>
<td>COM 4461</td>
<td>Intercultural Communication</td>
<td>3</td>
</tr>
<tr>
<td>COM 4462</td>
<td>Conflict Management</td>
<td>3</td>
</tr>
<tr>
<td>SPC 3445</td>
<td>Leadership Through Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>SPC 3513C</td>
<td>Argumentation and Debate</td>
<td>3</td>
</tr>
<tr>
<td>SPC 4331</td>
<td>Nonverbal Communication</td>
<td>3</td>
</tr>
<tr>
<td>SPC 4426</td>
<td>Group Dynamics</td>
<td>3</td>
</tr>
<tr>
<td>SPC 4540</td>
<td>Persuasion and Communication</td>
<td>3</td>
</tr>
</tbody>
</table>

Restricted Electives (9 hrs)
Select from the following courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COM 3120</td>
<td>Organizational Communication</td>
<td>3</td>
</tr>
<tr>
<td>SPC 3301</td>
<td>Interpersonal Communication</td>
<td>3</td>
</tr>
<tr>
<td>COM 3311</td>
<td>Communication Research Methods</td>
<td>3</td>
</tr>
</tbody>
</table>

Foreign Language Requirements
• None

Total Semester Hours Required
• 21

Other Requirements
• A minimum average GPA of 2.0 is required in courses used to satisfy the minor.
• Grades below “C” (2.0) in lower level courses are not accepted.
• At least 15 hours used in the minor must be earned at UCF within the Nicholson School of Communication.
• No credit by exam (TSD, Military credit) may be used.
• Internship, co-op, or independent study credit can be used toward this minor with prior approval.

Human Services - Minor
Department of Education and Human Performance
Department of Child, Family and Community Sciences,
Education Complex, Room: 322
Website: http://education.ucf.edu/counselored/
Dr. J. Richelle Joe, jacqueline.joe@ucf.edu, 407-823-4752

The Human Services minor is intended to provide students with an introduction to the human services profession and develop skills and knowledge associated with this field. The courses required for this minor help students acquire basic competencies such as communication, counseling and helping skills, knowledge of human services theory and awareness of the impact of race, gender, ethnicity, family, spirituality, government, education and social systems on the delivery of human services. Students in the 2015 catalog year and beyond may declare this minor.
Minors

Admission Requirements

- Have a minimum 2.5 overall GPA
- Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from an approved Florida College System or State University System institution.

Minor Requirements

- Students should see an advisor prior to registering for classes.
- At least 12 hours in the minor must be earned at UCF.
- Students must earn a grade of “C” or better in all courses required for the minor.
- Must maintain a minimum overall MINOR GPA of 2.5.

Prerequisite Courses

- None

Required Courses

- (15 hrs)
  - MHS 2330 Career Planning 3 hrs
  - MHS 2441 Couples, Families and Intimate Relationships 3 hrs
  - MHS 3052 Helping Skills for Human Service Providers 3 hrs
  - MHS 3426 Diversity Issues in Human Services 3 hrs

Restricted Electives

- (3 hrs)
  - Three semester hours of a restricted elective with PSY, SOW, DEP, EEC or EEX prefix (selected with advisor’s approval).

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- No credit by exam (CLEP, Military Credit) may be used.
- Transfer credits from other colleges/universities may be considered.

Humanities and Cultural Studies - Minor

College of Arts and Humanities

Department of Philosophy,

Psychology Building, Room: 220

http://philosophy.cah.ucf.edu/

Email: philosophy2@ucf.edu

Phone: 407-823-2273

The Humanities and Cultural Studies minor is a rigorous study of the artistic and intellectual practices and products of human culture in the contemporary world and in the past, across world cultures.

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses

- (18 hrs)
  - HUM 2020 Encountering the Humanities 3 hrs

Humanities Foundations

- 6 hrs

Select 2:

- HUM 3431 Ancient Humanities or 3 hrs
- HUM 3435 Medieval Humanities or 3 hrs
- HUM 3255 Modern Humanities or 3 hrs
- HUM 3252 Contemporary Humanities 3 hrs

Theories and Methods

- 3 hrs

Select 1:

- HUM 3805 Critical Theory in the Humanities or 3 hrs
- HUM 3830 Introduction to Digital Humanities or 3 hrs
- HUM 3326 Theories of Sex and Gender in Humanities or 3 hrs
- HUM 4330 Performance Theory or 3 hrs
- HUM 4826 Postcolonial Theory or 3 hrs
- HUM 3800 Research Methods in Humanities 3 hrs

Cultural Traditions

- 3 hrs

Select 1:

- HUM 3401 Asian Humanities or 3 hrs
- HUM 3423 African Humanities or 3 hrs
- HUM 3460 Latin American Humanities or 3 hrs
- HUM 4459 American Cultural Studies in Humanities 3 hrs

Topics in Cultural Studies

- 3 hrs

Select 1:

- HUM 4931 Key Figures in the Humanities & Cultural Studies or 3 hrs
- HUM 4934 Key Concepts in Humanities & Cultural Studies or 3 hrs

Restricted Electives

- None

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- A “C” (2.0) grade or better is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Information Technology - Minor

College of Engineering and Computer Science

Department of Computer Science,

Harris Corp. Engineering Center, Room: 346

http://www.cs.ucf.edu

Dr. Mark Llewellyn, Markl@cs.ucf.edu

Phone: 407-823-2790

Minor Admission Requirements

- Not open to Information Technology majors.

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses

- (3 hrs)
  - Select one (1) of the following courses:
    - COP 2500C Concepts in Computer Science 4 hrs
    - COP 3223C Introduction to Programming with C 3 hrs

Restricted Electives

- (15 hrs)
  - Select any five (5) courses required for the IT major and taught by CS/IT at UCF with the following prefixes: CAP, CGS, CIS, CNT, COT, or COP.

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- Not open to Information Technology majors.
- A minimum grade of “C” (2.0) or better is required in each course used to satisfy the minor.
- At least 9 hours used in the minor must be earned within the Computer Science or Information Technology program at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, cooperative education, or Independent Study credit cannot be used toward the minor.
- The courses used to satisfy the college electives for this minor cannot also be used to satisfy the requirements for a Computer Science Minor.
### Intelligence and National Security - Minor

**College of Sciences**  
Department of Political Science  
Howard Phillips Hall, Room: 302  
[http://www.cos.ucf.edu/politicalscience](http://www.cos.ucf.edu/politicalscience)  
**Email:** politics@mail.ucf.edu  
Dr. Mark Schaefer, 407-823-3328

This minor introduces students to the fundamentals of intelligence and national security, and it allows for students to specialize in one or more different areas that are appropriate for a career in these fields. This minor will be helpful for students majoring in any field who are interested in careers in intelligence and national security, and particularly for students in Political Science, International and Global Studies, and Criminal Justice.

The minor in Intelligence and National Security consists of 18 credit hours at the undergraduate level, including two required core courses and four electives.

#### Admission Requirements
- None

#### Minor Requirements
- A grade of "C" (2.0) or better for all classes is required in courses counting towards the minor.
- At least 15 hours used in the minor must be taken at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internships, independent study and substitute courses/other requirements are allowed at the director’s discretion (for a maximum of 3 credit hours).
- No more than 3 credit hours may overlap with any other major or minor.

#### Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

#### Required Courses (6 hrs)
- INR 2002 International Relations-Theory and Practice 3 hrs
- INR 4348 The Intelligence Community 3 hrs

#### Restricted Electives (12 hrs)
- Select four courses from the following list:
  - INR 4764 Cyberwarfare Policy 3 hrs
  - POS 4206 Political Psychology 3 hrs
  - SYP 3511 Sociology of Murder 3 hrs
  - SYP 3520 Criminology 3 hrs
  - SYP 4521 Crime Victims in Society 3 hrs
  - SYP 4550 Patterns of Drug Abuse in Society 3 hrs

#### Foreign Language Requirements
- None

#### Total Semester Hours Required
- 18

#### Other Requirements
- None

### Intelligent Robotic Systems (IRS) - Interdisciplinary - Minor

**College of Engineering and Computer Science**  
Engineering, Room: 107  
[http://www.cecs.ucf.edu](http://www.cecs.ucf.edu)  
Paul Edlen, Paul.Edlen@ucf.edu, 407-823-2455

#### Minor Admission Requirements
- None

#### Minor Requirements
- None

#### Prerequisite Courses (3 hrs)
- Select 1: 3 hrs
  - A high-level programming language class (like the following or its equivalent) is required for the minor.
    - COP 323C Introduction to Programming with C or 3 hrs
    - EEL 5820 Pattern Recognition or 3 hrs
    - EEL 5825 Image Processing or 3 hrs
    - EEL 5630 Digital Control Systems or 3 hrs
    - EML 5825 Pattern Recognition or 3 hrs
    - EML 5820 Image Processing or 3 hrs
    - EML 3217 Engineering Mechanics - Dynamics or 3 hrs
    - EML 4612C Introduction to Modern and Robust Control or 3 hrs
    - EEL 4670 Robotics Systems or 3 hrs
  - Other Requirements 12 hrs
  - Select 2: 12 hrs
    - Note: Courses with equivalent content cannot both be counted toward the electives.
    - CAP 4053 AI for Game Programming or 3 hrs
    - CAP 4453 Robot Vision or 3 hrs
    - CAP 4630 Artificial Intelligence or 3 hrs
    - CAP 5415 Computer Vision or 3 hrs
    - CAP 5512 Evolutionary Computation or 3 hrs
    - CAP 5610 Machine Learning or 3 hrs
    - EEL 3503C Computer Science II or 3 hrs
    - EEL 3537 Introduction to Modern and Robust Control or 4 hrs
    - EEL 4750 Digital Signal Processing Fundamentals or 3 hrs
    - EEL 4818H Honors Current Topics in Machine Learning or 3 hrs
    - EEL 4872 Engineering Applications of Intelligent Systems or 3 hrs
    - EEL 5569 Introduction to Robotics and Autonomous Vehicles or 3 hrs
    - EEL 5173 Linear Systems Theory or 3 hrs
    - EEL 5513 Digital Signal Processing Applications or 3 hrs
    - EEL 5625 Applied Control Systems or 3 hrs
    - EEL 5630 Digital Control Systems or 3 hrs
    - EEL 5820 Image Processing or 3 hrs
    - EEL 5825 Pattern Recognition or 3 hrs
    - EML 3217 Engineering Mechanics - Dynamics or 3 hrs
    - EML 3262 Kinematics of Mechanisms or 3 hrs
    - EML 4225 Introduction to Vibrations and Controls or 3 hrs
    - EML 4312C Feedback Control or 3 hrs
    - EML 4313 Intermediate System Dynamics and Controls or 3 hrs
    - EML 4324 Advanced Control Systems or 3 hrs
    - EML 4326 Kinematics of Mechanisms or 3 hrs
    - EML 4804C Digital Control in Mechatronics or 3 hrs
    - EML 5311 System Control or 3 hrs
    - EML 5280 Introduction to MEMS and Micromachining or 3 hrs

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**University of Central Florida**

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Minors

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum GPA of 2.0 is required in all the courses used to satisfy the minor.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

International and Global Studies - Minor

College of Sciences

Department of Political Science, Howard Phillips Hall, Room: 302
http://politics.ucf.edu/
Email: politics@ucf.edu
Dr. Paul Vasquez
Phone: 407-823-2608

Students taking the International and Global Studies Minor will examine the interactions between nations and the political processes within nations using a variety of perspectives. International aspects focus on how countries interact with one another, and how the social and cultural systems within them affect these interactions. Global studies looks at intra-national factors, such as how a state’s internal characteristics impact that state’s political processes. Immigration, technological advancements and internationalization of foreign policy make global studies a complementary approach to international studies.

Minor Admission Requirements
- Double major/dual degree policy in Political Science programs and minors:
  - 1. Students who major in any Political Science track, and minor in International and Global Studies, shall not count more than one course toward both programs.
  - 2. Students who double minor in Political Science and International and Global Studies shall not count more than one course toward both programs.

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted in the minor.
- At least nine hours used in the minor must be earned at UCF within the department.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses
- 6 hrs
  GED 3471 World Political Geography 3 hrs
  INR 4008 Global Perspectives 3 hrs

Restricted Electives
- 15 hrs
  Substitutions require prior approval by the program advisor.

A. Political Science:

Select courses from this grouping: 6 hrs
- INR 4011 Politics of Globalization or 3 hrs
- INR 4030 Diplomacy or 3 hrs
- INR 4035 International Political Economy or 3 hrs
- INR 4054 Global Politics of Energy or 3 hrs
- INR 4060 Causes of War or 3 hrs
- INR 4074 Immigration Policy or 3 hrs
- INR 4075 Human Rights Policy or 3 hrs
- INR 4076 Global Drug Policy or 3 hrs
- INR 4350 Global Environmental Politics or 3 hrs
- INR 4502 International Organizations or 3 hrs
- INR 4603 International Relations Theory or 3 hrs
- INR 4714 Politics of International Trade Policy 3 hrs

B. Area Studies:
- 6 hrs
  Two upper division courses from one of the following area studies programs: Asian Studies, European Studies, Latin American, Caribbean and Latino Studies, Middle Eastern Studies, Russian Studies
  - Courses may not have a prefix of INR, CPO, POT, POS or PUP.

C. Other:

Select one course from this grouping: 3 hrs
- CPO 3103 Comparative Politics or 3 hrs
- CPO 4062 Comparative Judicial Process or 3 hrs
- CPO 4074 Political Economy or 3 hrs
- CPO 4445 Comparative Political Parties or 3 hrs
- CPO 4710 Women in Comparative Politics or 3 hrs
- CPO 4754 Comparative Political Institutions or 3 hrs
- CPO 4784 Political and Economic Inequality in Comparative Perspective or 3 hrs
- DSC 4012 Terrorism or 3 hrs
- EUH 3651 War and Society or 3 hrs
- MMC 4300 International Media or 3 hrs
- SYP 4454 Global Inequality and Society or 3 hrs
- Three one credit Foreign Language across the Curriculum (FLAC) courses

Foreign Language Requirements
- Proficiency equivalent to four semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

Total Semester Hours Required
- 21

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without prior departmental approval.

International Business - Minor

College of Business Administration

Office of Professional Development, Business Administration II, Room: 101
http://business.ucf.edu/study-abroad/
Holly Bouma, Holly.Bouma@ucf.edu, 407-823-5833

Minor for Business Majors

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses
- 15 hrs
  GEB 3375 Introduction to International Business 3 hrs
  GEB 3955 Study Abroad 3 hrs
  GEB 4955 Study Abroad 3 hrs

Select 12 to 15 hours of Study Abroad 12 hrs

Restricted Electives
- 3 hrs
  Select the course below only if less than 15 hours of Study Abroad completed
  - GEB 4374 International Negotiations and Transactions 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18
Minors

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Lower division courses taken at Florida College System institutions do not substitute for upper division courses.
- Courses taken as part of a UCF College of Business exchange program, will be reviewed for appropriateness by the College of Business Study Abroad Director. Additional information may be required by the Study Abroad Director to determine the appropriateness of the course taken.
- Courses transferred into the College of Business from a foreign institution, that are not part of a College of Business exchange program, must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- At least nine hours used in the minor must be coursework registered through UCF College of Business Study Abroad.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.
- A maximum of six hours of the above listed required or elective courses can count toward another major or minor degree program.

International Engineering - Minor
College of Engineering and Computer Science

Engineering, Room: 107
http://www.cecs.ucf.edu
Dr. Avelino Gonzalez, avelino.gonzalez@ucf.edu, 407-823-5027
CECS Academic Affairs Office, 407-823-2455

The objective of this minor is to provide engineering, and computer science students with the opportunity to learn about and experience firsthand the global aspects of engineering, science and technology. This minor is designed for maximum flexibility in programming, given the many different countries, cultures, partner foreign institutions and individual student needs. Through this minor, CECS students gain academic and/or work experience at an approved foreign institution compatible with UCF CECS, while simultaneously becoming familiar with the social as well as professional and technical cultures of their host country. CECS students can spend one or two semesters abroad gaining valuable international experience in their chosen field. This is especially important in today’s global economy in which employers look for graduates with international experience in their major area.

Minor Admission Requirements
- Admission by interview with the Program Coordinator
- A minimum UCF cumulative GPA of 2.75 is required to enter the minor.

Minor Requirements
- None

Prerequisite Courses
- Pre-requisites to the minor include completion of a minimum of 45 credit hours prior to the study abroad experience.

Required Courses (18 hrs)
- The International minor in Engineering or Computer Science is composed of three parts:

  Language Skill Acquisition (6 hrs)
  - It is important that students possess a working level of language skills in the language of the prospective country to be visited in the study abroad experience of item 3 below. Therefore, students must demonstrate proficiency in the language of their chosen country through at least the first year of college study. This can be achieved by completing six to eight hours of language coursework at UCF if such coursework is available, at the foreign institution where they will be going, or by passing an exam prior to the study abroad experience. Language coursework must relate to the country/region in which the student will be studying and must be approved beforehand by program coordinator. This requirement can be waived by the minor coordinator for study abroad in countries where English is widely spoken.
  - For International Engineering Exchange Programs that include class instruction in a language other than English, students must show advanced proficiency in that language either through a sufficient score on the Foreign Language Proficiency Exam to demonstrate fluency in the language and/or through satisfying any language proficiency requirements specified by the host institution. If the student does not demonstrate advanced proficiency in the local language of instruction, he/she must spend at least one academic year abroad with the first semester or more devoted to language study and another semester to Engineering/Computer Science coursework.

  Cultural Coursework (3 hrs)
  - It is important to formally expose the students to the culture of the country or region where they plan to have their study abroad experience. This can be done in one of two ways, in decreasing order of preference:
    - Option 1) Students will complete three hours of coursework in society/culture international relations, or global economics related to the country/region where the student is having his/her study abroad experience. It is recommended that this course be completed at the foreign institution if available
    - Option 2) If such a course cannot be found, then the minor coordinator will select a course to take in its place at UCF that will achieve similar results.

  Study Abroad Experience (9 hrs)
  - The study abroad experience represents the most important aspect of this minor. To satisfy this requirement, students complete 9 hours of technical coursework (classroom study) in residence at a partner institution abroad.
  - Students must take coursework abroad of equivalent content and level to what they would take at UCF as part of their degree program. With the realization that courses are different in the various overseas institutions, the proposed overseas coursework must be explicitly approved by the student’s home department to ensure equivalency.

UNIVERSITY OF CENTRAL FLORIDA
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Students must first consult with their home department to determine the core, required and/or elective courses they are eligible to take, and look for equivalencies of courses offered at the overseas institution during the time of their expected study abroad experience. They must then proceed to consult with the international minor coordinator before seeking departmental approval. Departmental approval must be obtained before enrolling in the overseas classes.

Restricted Electives

- None

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- A minimum grade of “C” (2.0) or better is required in all courses toward the minor.
- Pre-requisites to the minor include completion of a minimum of 45 credit hours prior to the study abroad experience.

Italian - Minor

College of Arts and Humanities

Department of Modern Languages and Literatures,

Colburn Hall, Room: 522

http://mll.cah.ucf.edu/

Dr. Chiara Mazzucchelli, chiara.mazzucchelli@ucf.edu

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses

- (6 hrs)
  - ITA 3420 Italian Composition 3 hrs
  - ITA 3760 Advanced Italian Oral Communication 3 hrs

1 A native or near-native speaker must substitute an alternate upper division course for the advanced oral communication course.

Restricted Electives

- (12 hrs)
  - Select four upper division Italian language courses offered in the Department of Modern Languages.
  - Approval of a departmental advisor is required prior to registration.

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- A grade of “C” (2.0) or better is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the Nicholson School of Communication.
- No credit by exam (TSD, Military credit) may be used in the minor.
- Internship, co-op, or independent study credit cannot be used toward the minor without departmental permission.

Journalism Studies - Minor

College of Sciences

Nicholson School of Communication, NSC, Room: 143

http://communication.cos.ucf.edu

Dr. Steve Collins, Area Coordinator, steven.collins@ucf.edu

Nicholson Academic Student Services, nassc@ucf.edu, 407-823-2681

The Journalism Studies minor is well suited for students who seek to better understand the role journalism plays in society as well as the forces that shape journalism. A key component of this minor is media literacy, which is the ability to thoughtfully analyze messages disseminated through the news media.

Minor Admission Requirements

- Not open to Ad-PR, Journalism, or Radio-TV majors

Minor Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy minor.
- Grades below a “C” (2.0) are not accepted in the minor.
- At least 12 hours used in the minor must be earned at UCF within the Nicholson School of Communication.

Prerequisite Courses

- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses

- JOU 3004 History of American Journalism 3 hrs

Restricted Electives

- (15 hrs)
  - Select from the following:
    - JOU 3301 Journalism Readings 3 hrs
    - JOU 3015 Principles of Journalism 3 hrs
    - JOU 3510 Magazine Publishing 3 hrs
    - JOU 4700 Journalism Ethics 3 hrs
    - MMC 2004 Mass Media 3 hrs
    - MMC 3200 Mass Communication Law 3 hrs
    - MMC 4300 International Media 3 hrs
    - VIC 3001 Visual Communication 3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- No credit by exam (TSD, Military credit) may be used in the minor.
- Internship, co-op, or independent study credit cannot be used toward the minor without school permission.

Judaic Studies - Minor

College of Arts and Humanities

Program in Judaic Studies,

Colburn Hall, Room: 415 E-J

http://www.judaicst.cah.ucf.edu

Email: judaicst@ucf.edu

TBD, 407-823-5039

The Interdisciplinary Program in Judaic Studies offers both a minor and a certificate. The Program cooperates with the departments of Anthropology, English, Modern Languages, History, Philosophy, Political Science, and Sociology, and the Interdisciplinary Studies, Women’s Studies, Religious Studies, and Middle Eastern Studies programs. Interested students are encouraged to meet with the program director. Students minoring in Judaic Studies should take 6 HBR or JST courses, for a total of 18-20 credit hours.

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses

- None

Restricted Electives

- (18 hrs)
  - Choose 6 Restricted Electives courses.

Jewish History

- JST 3401 Jewish People in Antiquity 3 hrs
- JST 3402 Wanderings: The Jewish People in Dispersion 3 hrs
- JST 3415 American Jewish History 3 hrs
- JST 3481 20th Century Jewish History and Thought 3 hrs
The minor provides students with an interdisciplinary knowledge of and the necessary tools to understand Latin America, its people and its culture. Students completing the minor shall be prepared to apply their knowledge about Latin America in a variety of careers including, but not limited to education, government, journalism, foreign service, social and community service, international trade, and public relations.
### Leadership Studies - Minor

#### College of Undergraduate Studies

#### Office of Interdisciplinary Studies,

**Classroom I, Room: 302**

**http://www.is.ucf.edu**

**Email: is@ucf.edu**

**Phone: 407-823-0144**

The Leadership Studies (LS) minor is an interdisciplinary academic program that focuses on developing several dimensions of leadership understanding and skills for undergraduate students. The minor builds upon foundational courses with specific aspects of leadership involving communication, collaboration, social relations, politics, and ethics.

#### Minor Admission Requirements

- None

#### Minor Requirements

- None

#### Prerequisite Courses

- None

#### Required Courses (19 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>LDR 2001</td>
<td>Foundations of Leadership</td>
<td>2</td>
</tr>
<tr>
<td>LDR 2002</td>
<td>Intermediate Foundations of Leadership</td>
<td>2</td>
</tr>
</tbody>
</table>

#### Restricted Requirements (15 hrs)

- Choose one course from each of the five areas:

  **Communication**
  - COM 3011C: Communication and Human Relations or 3 hrs
  - COM 3120: Organizational Communication or 3 hrs
  - COM 4461: Intercultural Communication or 3 hrs
  - COM 4462: Conflict Management or 3 hrs
  - ENC 3250: Professional Writing or 3 hrs
  - SPC 3445: Leadership Through Oral Communication or 3 hrs

  **Collaboration**
  - INP 3004: Industrial/Organizational Psychology or 3 hrs
  - INP 4313: Organizational Psychology or 3 hrs
  - MAN 4240: Organizations: Theory and Behavior or 3 hrs
  - MAN 3025: Management of Organizations or 3 hrs
  - SPC 4426: Group Dynamics or 3 hrs

  **Politics**
  - POS 3004: Social Psychology or 3 hrs
  - SOP 3723: Cross Cultural Psychology or 3 hrs
  - SOP 3742: Psychology of Women or 3 hrs
  - SOP 3784: Psychology of Diversity or 3 hrs

  **Ethics**
  - PHI 3638: Ethical Issues in the 21st Century or 3 hrs
  - PHI 3640: Environmental Ethics or 3 hrs

#### Social Relations and Culture

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 3541</td>
<td>Biobehavioral Anthropology or</td>
<td>3</td>
</tr>
<tr>
<td>CLP 3143</td>
<td>Abnormal Psychology or</td>
<td>3</td>
</tr>
<tr>
<td>COM 4461</td>
<td>Intercultural Communication or</td>
<td>3</td>
</tr>
<tr>
<td>EXP 3304</td>
<td>Motivation or</td>
<td>3</td>
</tr>
<tr>
<td>SOP 3004</td>
<td>Social Psychology or</td>
<td>3</td>
</tr>
<tr>
<td>SOP 3723</td>
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<td>3</td>
</tr>
<tr>
<td>SOP 3784</td>
<td>Psychology of Diversity or</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Other Requirements

- A grade of “C” (2.0) or better is required in all courses used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without prior permission from the Program Director.

#### Total Semester Hours Required

- 19

### Legal Studies - Minor

#### College of Health and Public Affairs

#### Department of Legal Studies,

**Health and Public Affairs I, Room: 343**

**http://www.cohpa.ucf.edu/legalstudies/index.shtml**

**Email: legalstudies@ucf.edu**

Dr. David Slaughter, Program Coordinator

Rupert Neish II, Program Academic Advisor

**Phone: 407-823-1670**

#### Minor Admission Requirements

- None

#### Minor Requirements

- None

#### Prerequisite Courses

- None

#### Required Courses (18 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLA 3014</td>
<td>Law and the Legal System</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Restricted Electives (15 hrs)

- 15 Semester hours of legal studies courses selected with the aid of an advisor

#### Restricted Electives (3 hrs)

- 3 semester hours of law-related courses selected with the aid of an advisor
Minors

Foreign Language Requirements
- None

Total Semester Hours Required
- 21

Other Requirements
- A minimum grade of "C" (2.0) is required in each course to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

Magazine Journalism - Minor
College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu

Email: Journalism@ucf.edu
Dr. Steve Collins, Area Coordinator, steven.collins@ucf.edu
Nicholson Academic Student Services, nassc@ucf.edu
Phone: 407-823-2681

Minor Admission Requirements
- Grammar proficiency requirement.
- A minimum UCF GPA of 2.5 is required.
- The minor is not open to Ad-PR, Journalism, or Radio-TV majors.

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted in the minor.
- At least 15 hours used in the minor must be earned at UCF within the Nicholson School of Communication.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses
- JOU 2100C News Reporting 3 hrs
- JOU 3510 Magazine Publishing 3 hrs
- JOU 4447 Magazine Editing and Production 3 hrs

Restricted Electives
- Select one:
  - ENC 3310 Magazine Writing I or 3 hrs
  - JOU 3310 Social Media Writing for Magazines or 3 hrs
  - JOU 3201 Editing I or 3 hrs
  - JOU 4211C Informational Graphics or 3 hrs
  - JOU 4213C Page Design or 3 hrs
  - JOU 4300 Feature Writing or 3 hrs
  - JOU 4340C Online Journalism I 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A maximum of 3 credit hours of the listed required or elective courses for the marketing minor can be counted toward the minor.

Mass Communication - Minor
College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu
Joan McCain, joan.mccain@ucf.edu
Nicholson Academic Student Services, nassc@ucf.edu
Phone: 407-823-2681

Minor Admission Requirements
- Not open to Ad-PR, Journalism, or Radio-TV majors.

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted in the minor.
- At least 12 hours used in the minor must be earned at UCF within the Nicholson School of Communication.
Minors

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (9 hrs)
- ADV 3008 Principles of Advertising 3 hrs
- MMC 2004 Mass Media 3 hrs
- RTV 3007 Development and Structure of Electronic Media and New Technology 3 hrs

Restricted Electives (9 hrs)
Select from the following:
- ADV 4103 Radio-Television Advertising 3 hrs
- COM 3330 Computer Mediated Communication 3 hrs
- FIL 2030 History of Motion Pictures 3 hrs
- JOU 3006 Art of the Cinema 3 hrs
- JOU 3004 History of American Journalism 3 hrs
- JOU 3015 Principles of Journalism 3 hrs
- JOU 4700 Journalism Ethics 3 hrs
- MMC 3200 Mass Communication Law 3 hrs
- MMC 3420 Mass Media Research Methods 3 hrs
- MMC 3630 Social Media as Mass Communication 3 hrs
- MMC 4300 International Media 3 hrs
- MMC 4602 Contemporary Media Issues 3 hrs
- PUR 3210 Communication Approach to Corporate Social Responsibility 3 hrs
- PUR 4000 Public Relations 3 hrs
- PUR 4400 Crisis Communication 3 hrs
- RTV 3511 Production Fundamentals and Aesthetics of Electronic Media 3 hrs
- RTV 4403 Electronic Media, Technology, and Society 3 hrs
- RTV 4503 Sports Programming in Electronic Media 3 hrs
- RTV 4700 Regulation of Broadcasting 3 hrs
- VIC 3001 Visual Communication 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- No Internship, Experiential Education or Independent Study credit can be used toward the minor.

Mass Culture and Collective Behavior - Minor
College of Sciences
Department of Sociology,
Howard Phillips Hall, Room: 403
http://sociology.ucf.edu
Dr. Lin Huff-Corzine, 407-823-3744

This minor provides students with an opportunity to learn about sociological research within the areas of religion, sports, leisure, music, pop culture, focuses to some extent on how people consume goods and resources in society. This leads to working knowledge of how public opinion and contemporary social movements shape collective behavior and mass culture. The minor is especially appropriate for students majoring in Interdisciplinary Studies, the social sciences, business, or for any student seeking an enhanced understanding of socio-cultural change within modern society. Given this broad-based set of courses, someone interested in a career in sales, marketing, volunteer organizations, or social media, for example, would find this minor a good fit.

Minor Admission Requirements
- The minor is not open to Sociology majors.
- Courses used to satisfy the Restricted Electives of this minor cannot be used to satisfy other Sociology minors.

Minor Requirements
- Students are expected to have a minimum GPA of 2.0 in the minor and earn a “C” or better in each course used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department of Sociology.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (6 hrs)
- SYP 4000 Sociological Social Psychology 3 hrs
- Required: Complete one of the following: 3 hrs
  - SYG 2000 Introduction to Sociology or
  - SYG 2010 Social Problems

Restricted Electives (12 hrs)
Select from the following:
- SYA 4650C Community Action and Involvement 3 hrs
- SYD 4810 Women in Contemporary Society 3 hrs
- SYG 4244 Food and Society 3 hrs
- SYG 3000 Contemporary Society 3 hrs
- SYQ 4200 Religion in Society 3 hrs
- SYP 3300 Fads, Crowds, and Social Action 3 hrs
- SYP 3323 Video Games in Society 3 hrs
- SYP 4000 Constructing Social Issues 3 hrs
- SYP 4420 The Consumer Society 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- No Internship, Experiential Education or Independent Study credit can be used toward the minor.

Materials Science and Engineering - Minor
College of Engineering and Computer Science
Department of Materials Science and Engineering
Dr. Jiyu Fang, jfang@ucf.edu, 407-823-0609

The field of “materials” encompasses concepts in many diverse fields ranging from chemistry, physics, and optics to mechanical, electrical, and chemical engineering. Rapid advances in technology have dramatically increased the importance of materials science and engineering to society. Materials Science and Engineering (MSE) is the study of the structure/processing/properties relationships of engineering materials. Modern MSE encompasses a broad range of materials, from traditional metallurgy to biological materials, polymers, ceramics, semiconductors, composites, and optical and magnetic materials, as well as numerous nanotechnology materials.

The study of materials science allows students considerable freedom to the depth of their understanding of such materials while being simultaneously engaged in real world research. Participants in this minor will be able to improve their understanding, awareness and job skills in material selection and application to have additional opportunities and advantages to pursue a career in Engineering. Students taking graduate level EMA courses as Restricted Electives can use them for the Accelerated BS-to-MS program in Materials Science and Engineering.

Admission Requirements
- A minimum UCF GPA of 2.5 is required for acceptance into this minor.

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (9 hrs)
- EMA 3124 Design and Selection of Materials 3 hrs
- EMA 4102 Thermodynamics and Kinetics of Materials 3 hrs
- Select 1: 3 hrs
  - EGN 3365 Structure and Properties of Materials or
  - EMA 3706 Structure and Properties of Aerospace Materials

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Restricted Electives (9 hrs)
Select one of the following courses on properties of materials:
- PHZ 3422 Nanophysics 3 hrs
- EMA 4223 Fundamentals of Mechanical Behavior of Materials 3 hrs
- PHZ 4404 Solid State Physics 3 hrs
- EMA 4413 Fundamentals of Electronic Materials 3 hrs
- PHY 4445 Lasers 3 hrs
- OSE 4520 Laser Engineering 3 hrs
- EMA 5104 Intermediate Structure and Properties of Materials 3 hrs
- EMA 5415 Electronic Principles of Materials Properties 3 hrs

Select one of the following courses on applications of materials:
- EMA 3000 Engineering Polymeric, Ceramic, and Composite Materials 3 hrs
- EMA 3014 Nanomaterials Characterization and Applications 3 hrs
- EEE 3350 Semiconductor Devices I 3 hrs
- EEE 4463 MEMS Devices and Applications 3 hrs
- EMA 4506 Emerging Materials 3 hrs
- PCB 4521 Tissue Engineering 3 hrs
- EMA 5060 Polymer Science and Engineering 3 hrs
- EMA 5140 Introduction to Ceramic Materials 3 hrs
- EMA 5584 Biomaterials 3 hrs
- EMA 5585 Materials Science of Thin Films 3 hrs
- EMA 5705 High Temperature Materials 3 hrs

Select one of the following courses on materials processing, testing and characterization:
- EMA 3012C Experimental Techniques in Mechanics and Materials 3 hrs
- EMA 3691 Nanomaterials Process Engineering 3 hrs
- PCB 4174 Foundation of Bio-Imaging Science 3 hrs
- EMA 4503 Materials Characterization Techniques 3 hrs
- PHY 4803L Advanced Physics Laboratory 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum grade of "C" (2.0) or better in all courses in the minor.
- A Bachelors degree must be completed at the time minor is awarded.
- At least 12 hours of courses with EGN and/or EMA prefixes must be used toward the minor requirements.
- Internship or Independent Study credit cannot be used toward the minor.

Mathematical Biology - Minor
College of Sciences
Department of Mathematics,
Mathematical Sciences Building, Room: 207
http://math.ucf.edu
Dr. Joseph Brennan, MSB 312, Joseph.Brennan@ucf.edu
Phone: 407-823-0147

Admission Requirements
- None

Minor Requirements
- A grade of "C" (2.0) or better is required in all courses used to satisfy the minor.
- At least 6 hours used in the minor must be earned at UCF within the Department of Mathematics.
- This minor is not open to Math majors.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.
  - BSC 2010C Biology I 4 hrs
  - MAC 2311C Calculus with Analytic Geometry I 4 hrs
  - MAC 2312 Calculus with Analytic Geometry II 4 hrs

Required Courses (21 hrs)
- BSC 2011C Biology II 4 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- MAP 2302 Ordinary Differential Equations I 3 hrs
- MAS 3105 Matrix and Linear Algebra 4 hrs
- MAP 4484 Mathematical Biology I 3 hrs
- MAP 4494 Mathematical Biology II 3 hrs

Restricted Electives (3 hrs)
Select from the following:
- BCH 4053 Biochemistry I 3 hrs
- PCB 3023 Molecular Cell Biology 3 hrs
- PCB 3044 Principles of Ecology 3 hrs
- PCB 3063 Genetics 3 hrs
- PCB 4683 Evolutionary Biology 4 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 24

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- Lower division courses do not substitute for Upper Division courses.

Mathematics - Minor
College of Sciences
Department of Mathematics,
Mathematical Sciences Building, Room: 207
http://math.ucf.edu
Dr. Joseph Brennan, MSB 312, Joseph.Brennan@ucf.edu
Phone: 407-823-0147

Minor Admission Requirements
- The minor is not open to Mathematics or Math Education majors.

Minor Requirements
- A grade of "C" (2.0) or better is required in all courses used to satisfy the minor.
- At least 6 hours used in the minor must be earned at UCF within the Department of Mathematics.
- A minimum of 6 hours used to satisfy the Math Minor must be unique and not be used to satisfy the requirements of a major.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.
  - MAC 2311C Calculus with Analytic Geometry I 4 hrs

Required Courses (15 hrs)
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- MAP 2302 Ordinary Differential Equations I 3 hrs
- MAS 3105 Matrix and Linear Algebra 4 hrs

Restricted Electives (3 hrs)
Select from the following:
- BCH 4053 Biochemistry I 3 hrs
- PCB 3023 Molecular Cell Biology 3 hrs
- PCB 3044 Principles of Ecology 3 hrs
- PCB 3063 Genetics 3 hrs
- PCB 4683 Evolutionary Biology 4 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 24

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
Minors

Mathematics Education - Minor
College of Education and Human Performance
School of Teaching, Learning, and Leadership,
Education Building, Room: 209
http://education.ucf.edu/mathed/
Dr. Erhan Haciomeroglu, ED 123H, Erhan.Haciomeroglu@ucf.edu, 407-823-4336
Dr. Janet Andreassen, ED 123Q, Janet.Andreassen@ucf.edu

The Mathematics Education minor is intended for non-Mathematics Education majors. It is well suited for students majoring in another secondary content area or as an area for students enrolled in Interdisciplinary Studies. This minor is available for students in the 2008 catalog year and beyond. This minor is not available to students in pending status in a College of Education and Human Performance major.

Minor Admission Requirements
■ Have a minimum 2.5 overall GPA
■ Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from a Florida College System or State University System institution.

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses (18 hrs)
■ A C- or better is required in these courses
EDG 4410  Teaching Strategies and Classroom Management  3 hrs
EDF 4080  Theory and Practice of Teaching ESOL Students in Schools  3 hrs
RED 4043  Content Reading in Kindergarten through Grade 12  3 hrs
MAE 3366  Middle and High School Mathematics for Teaching  3 hrs
Select 1:  3 hrs
MAE 4380  Mathematics Instructional Analysis or MAE 4634  Programs in Teaching of Mathematics  3 hrs

Restricted Electives
■ None

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 21

Other Requirements
■ Students should see an advisor prior to registering for classes
■ Students must complete 18 hrs of courses in mathematics as co-requisites
■ At least 12 hours in the minor must be earned at UCF
■ Obtain a minimum 2.5 GPA in courses required for minor

Medical Anthropology - Minor
College of Sciences
Department of Anthropology,
Howard Phillips Hall, Room: 309
http://anthropology.cos.ucf.edu/
Email: anthro@ucf.edu
Dr. Arlen Chase, (407) 823-2227

The Medical Anthropology minor develops students’ understanding of health from the perspective of human cultural and biological diversity, preparing them for careers in global health.

Minor Admission Requirements
■ The minor is not open to Anthropology majors.

Minor Requirements
■ Students must earn a grade of “C” (2.0) or better in all courses used to satisfy the minor.
■ At least 15 hours used in the minor must be earned at UCF within the department of Anthropology.

Prerequisite Courses
■ Students must satisfy each course’s prerequisites before enrolling in the class.
ANT 2000  General Anthropology  3 hrs

Required Courses (12 hrs)
■ Complete all of the following:
ANT 2410  Cultural Anthropology: Global Perspectives, Local Contexts  3 hrs
ANT 2511  The Human Species  3 hrs
ANT 4408  Culture, Disease, and Healing  3 hrs
ANT 4462  Medical Anthropology  3 hrs

Restricted Electives
■ Select from the list below:
ANT 3148  Life and Death in Ancient Egypt  3 hrs
ANT 3541  Biobehavioral Anthropology  3 hrs
ANT 3701  Engagement & Social Change: Public Anthropology  3 hrs
ANT 4013  Anthropology of Fast Food  3 hrs
ANT 4184  Mortuary Archaeology  3 hrs
ANT 4521  Forensic Anthropology  3 hrs
ANT 4525C  Human Osteology  4 hrs
ANT 4602  Ethnographic Field Methods  3 hrs
May substitute a health-related course from another department with prior permission from Anthropology.

Foreign Language Requirements
■ None

Medical Sociology - Minor
College of Sciences
Department of Sociology,
Howard Phillips Hall, Room: 403
http://sociology.cos.ucf.edu
Dr. Lin Huff-Corzine, sociology@ucf.edu, 407-823-3744

The Medical Sociology minor examines the social determinants of health and illness, and their impact on the delivery of health care and access to medical resources. The minor also examines the role social forces play in the way society views, treats, understands, and responds to illness and disease. This minor promotes an understanding of health and illness from a sociological perspective and prepares students for careers and graduate school in health related fields.

Minor Admission Requirements
■ The minor is not open to Sociology majors.
■ Courses used to satisfy the Restricted Electives of this minor cannot be used to satisfy other Sociology minors.

Other Requirements
■ No Credit by exam (TSD, Military Credit) may be used to satisfy the minor.
■ Internship, Co-op, or Independent Study credit cannot be used toward the minor.
## Medieval and Renaissance Studies - Minor

### College of Arts and Humanities

**Department of English, Colbourn Hall, Room: 405**


**Dr. Tison Pugh, 407-823-4454**

An interdisciplinary minor that offers students a background of the history, literature, languages, art, music, and philosophy of the Middle Ages and Renaissance.

### Minor Admission Requirements

- None

### Minor Requirements

- Required Courses
  - 6 hrs
    - SYG 4400  Medical Sociology 3 hrs
  - SYG 2000  Introduction to Sociology or 3 hrs
  - SYG 2010  Social Problems 3 hrs

- Restricted Electives
  - 12 hrs
    - Select from the following:
      - SYD 4020  Birth, Death, and Population Trends 3 hrs
      - SYG 4244  Food and Society 3 hrs
      - SYO 3408  Animals and Health 3 hrs
      - SYO 3410  Patterns of Mental Health in Society 3 hrs
      - SYO 4424  Men, Masculinities, and Health 3 hrs
      - SYO 4401  Social Determinants of Health 3 hrs
      - SYO 4402  Sociology of Health and Illness Behavior 3 hrs
      - SYP 3060  Sociology of Sex and Reproduction 3 hrs
      - SYP 3551  Patterns of Alcoholism in Society 3 hrs
      - SYP 4550  Patterns of Drug Abuse in Society 3 hrs
      - SY 4730  Patterns of Aging in Society 3 hrs

### Foreign Language Requirements

- None

### Total Semester Hours Required

- 18

### Other Requirements

- No credit by exam (TSD, Military credit) may be used.
- No Internship, Experiential Education or Independent Study credit can be used toward the minor.

### Middle Eastern Studies - Minor

### College of Arts and Humanities

**Department of History, Colbourn Hall, Room: 551**


**Dr. Hakan Ozoglu**

The Middle Eastern Studies minor is designed to complement a student’s major area of study. The minor requires a core of Middle Eastern Studies courses as well as a selection of directed electives.

### Minor Admission Requirements

- None

### Minor Requirements

- Required Courses
  - 9 hrs
    - AMH 4110  Colonial America, 1607-1763 3 hrs
    - AMH 4112  The Atlantic World 3 hrs
    - EUH 3122  Medieval Society and Civilization 3 hrs
    - EUH 3142  Renaissance and Reformation 3 hrs
    - EUH 3531  Medieval Ireland 3 hrs
    - EUH 3536  Early Modern Ireland 3 hrs
    - EUH 4500  English History to 1485 3 hrs
    - EUH 4501  English History: 1485-1815 3 hrs
    - EUH 4610  Women in European Society: From Medieval to Modern 3 hrs
    - EUH 3124  The Crusades 3 hrs

- Department of Modern Languages
  - FRW 3100  Survey of French Literature I 3 hrs
  - ITW 3100  Survey of Italian Literature I 3 hrs
  - SPW 3100  Survey of Spanish Literature I 3 hrs
  - SPW 3370  Spanish Short Story 3 hrs
  - SPW 4310  Early Modern Spanish Theatre 3 hrs
  - SPW 4322  Contemporary Iberian Theatre 3 hrs
  - SPW 4604  Cervantes 3 hrs
  - ITT 3443  Dante’s Inferno 3 hrs

- Department of Philosophy
  - PHH 3200  Medieval Philosophy 3 hrs
  - HUM 3435  Medieval Humanities 3 hrs

### Foreign Language Requirements

- None

### Total Semester Hours Required

- 18

### Other Requirements

- Earn a grade of “C” (2.0) or better in all courses used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF within the College of Arts and Humanities.
- Course substitutions may be accepted upon approval of the advisor.

### Middle Eastern Studies courses as well as a selection of directed electives.
Minors

- Although not required, students are strongly encouraged to complete at least one year of Arabic (ARA 1120C, 1121) and/or Hebrew (HBR 1120,1121).

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARA 2200</td>
<td>Intermediate Arabic Language and Civilization I</td>
<td>3</td>
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<tr>
<td>ASH 3222</td>
<td>Islam and Its Empires</td>
<td>3</td>
</tr>
<tr>
<td>ASH 5227</td>
<td>The Arab-Israeli Conflict</td>
<td>3</td>
</tr>
<tr>
<td>CPO 4710</td>
<td>Women in Comparative Politics</td>
<td>3</td>
</tr>
<tr>
<td>HBR 2200</td>
<td>Intermediate Modern Hebrew I</td>
<td>3</td>
</tr>
<tr>
<td>REL 3320</td>
<td>Moses, Jesus and Muhammad</td>
<td>3</td>
</tr>
<tr>
<td>JST 3401</td>
<td>Jewish People in Antiquity</td>
<td>3</td>
</tr>
<tr>
<td>JST 3402</td>
<td>Wandering: The Jewish People in Dispersion</td>
<td>3</td>
</tr>
</tbody>
</table>

JST 3820 Modern Israeli Culture 3 hrs

PHH 3200 Medieval Philosophy 3 hrs

REL 2300 World Religions 3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 19

Other Requirements

- A minimum grade of “C” (2.0) is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- Internship credit can be used toward the minor.

Music - Minor

College of Arts and Humanities
Department of Music,
Performing Arts Center - Music, Room: M203
http://music.cah.ucf.edu/
Lauren Rausch, lauren.rausch@ucf.edu, 407-823-2758

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses (10 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUT 1004</td>
<td>Fundamentals of Music I</td>
<td>3</td>
</tr>
<tr>
<td>MUT 1121</td>
<td>Music Theory and Musicianship I</td>
<td>4</td>
</tr>
</tbody>
</table>

Select 1: (3 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUL 2010</td>
<td>Enjoyment of Music or</td>
<td>3</td>
</tr>
<tr>
<td>MUL 2016</td>
<td>Evolution of Jazz or</td>
<td>3</td>
</tr>
<tr>
<td>MUL 2720</td>
<td>Music of the World or</td>
<td>3</td>
</tr>
<tr>
<td>MUH 2017</td>
<td>Survey of Rock Music or</td>
<td>3</td>
</tr>
<tr>
<td>MUH 2019</td>
<td>American Popular Music, 1840s-present</td>
<td>3</td>
</tr>
</tbody>
</table>

Restricted Electives (9 hrs)

- Restricted electives must be taken from the School of Performing Arts at UCF and must include 3 hours minimum at the 3000 or 4000 level.

Foreign Language Requirements

- None

Total Semester Hours Required

- 19

Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) are not accepted.
- At least 9 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Nanoscale Science and Technology - Minor

College of Sciences
Department of Physics,
Physical Sciences Building, Room: 403
http://www.physics.ucf.edu
Email: physics@ucf.edu
Dr. Talat Rahman, 407-823-2325

This minor is designed to offer students a working knowledge of nanoscience principles and industrial applications, and to understand the societal and technology issues that may impede the adoption of nanotechnology. In addition, students are expected to develop the ability to communicate effectively, work collaboratively, and identify paths and requisite knowledge and skills for nanotechnology careers. With the service learning component built into the three core courses, students completing the minor will only need a fourth SL-designated course of their choice to receive a UCF Service-Learning certificate.
Nonprofit Management/National Certification in Nonprofit Management - Minor
College of Health and Public Affairs
School of Public Administration,
Health and Public Affairs II, Room: 238
Stephanie Krick, stephanie.krick@ucf.edu, 407-823-0661

The Nonprofit Management Minor at the University of Central Florida will provide interdisciplinary classroom experience and experiential learning opportunities for students planning a career as a nonprofit professional. If all of the following requirements are met (including "Other Requirements"), the student can earn both a minor and National Certification from the Nonprofit Leadership Alliance.

Minor Admission Requirements
- None

Minor Requirements
- Students must earn a “C” (2.0) or better in each course in the minor.

Prerequisite Courses
- Only credit by exam (TSD, Military credit) may be used. Grades below “C” (2.0) in lower level courses are not accepted.
- At least 12 hours used in the minor must be earned at UCF within the Department of Physics.

Admission Requirements
- None

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF within the Department of Physics.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class. In addition, the students must have completed the following courses, which are taken by most science majors:

Select 1:
- PHY 2049C General Physics Using Calculus I or 4 hrs
- PHY 2053C College Physics I 4 hrs

Select 1:
- PHY 2049C General Physics Using Calculus II or 4 hrs
- PHYS 2054C College Physics II 4 hrs

Select 1:
- CHM 2045C Chemistry Fundamentals I or 4 hrs
- CHS 1440 Principles of Chemistry 4 hrs

Suggested Courses
- EGN 3211 Engineering Analysis and Computation 3 hrs
- COP 3223C Introduction to Programming with C 3 hrs

Required Courses
- The three required courses include a 20-hour service learning component.

PHZ 3462 Nanoscience I: The Science and Societal Impacts 3 hrs
PHZ 3464 Nanoscience II: Technological Applications 3 hrs
PHZ 3466 Nanoscience III: A Virtual Laboratory 3 hrs

Restricted Electives
- Select three courses from the following list. One course must be chosen from the listed from the Physics Department. Other electives should be taken with approval of the program director.

Select 1:
- PHY 302L Intermediate Physics Laboratory 3 hrs
- PHY 3101 General Physics Using Calculus III 3 hrs
- PHZ 3151 Computer Methods in Physics 3 hrs
- BSC 3424 Nanobiotechnology 3 hrs
- OSE 3490 Nanophotonics 3 hrs
- PHY 5933 Selected topics in biophysics of macromolecules 3 hrs
- PHZ 4604 Wave Mechanics I 3 hrs
- PHZ 4605 Wave Mechanics II 3 hrs
- CHM 3410 Physical Chemistry I 4 hrs
- CHM 5450 Polymer Chemistry 3 hrs
- CHM 4610 Inorganic Chemistry 3 hrs
- PHI 3626 Advanced Ethics in Science and Technology 3 hrs
- PHI 4690 Ethics in Nanoscience and Nanotechnology 3 hrs
- PHZ 5425C Electron Solid Interactions 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- Note: To obtain a Service-Learning certificate, four UCF-approved service-learning courses must be completed. Service-Learning courses are designated with an “SL” and can be accessed under “special groups” in the class schedule.

Nonprofit Management/National Certification in Nonprofit Management
College of Health and Public Affairs
School of Public Administration,
Health and Public Affairs II, Room: 238
Stephanie Krick, stephanie.krick@ucf.edu, 407-823-0661

The Nonprofit Management Minor at the University of Central Florida will provide interdisciplinary classroom experience and experiential learning opportunities for students planning a career as a nonprofit professional. If all of the following requirements are met (including “Other Requirements”), the student can earn both a minor and National Certification from the Nonprofit Leadership Alliance.

Minor Admission Requirements
- None

Minor Requirements
- Students must earn a “C” (2.0) or better in each course in the minor.

Prerequisite Courses
- None

Required Courses
- 9 hrs
- PAD 3930 Nonprofit Leadership Seminar 3 hrs
- PAD 4948 Nonprofit Management Internship 3 hrs
- PAD 4144 Nonprofit Organizations 3 hrs

Restricted Electives
- 9 hrs
- Student can earn the remaining 9 credit hours by pursuing either the Generalist Emphasis or the Public Affairs Emphasis. The requirements for each are as follows:

Generalist Emphasis
- Choose at least one course from each of the following three groups

Select 1:
- Group I: Nonprofit Accounting & Financial Management and Planning & Evaluation
  - 3 hrs
  - 1 ACG 2021 Principles of Financial Accounting or 3 hrs
  - 1 ACG 3071 Principles of Managerial Accounting or 3 hrs
  - 1 MAN 3025 Management of Organizations or 3 hrs
  - PAD 4131 Public Sector Project Management or 3 hrs
  - PAD 4204 Fiscal Management or 3 hrs
  - 1 PAD 5850 Grant and Contract Management or 3 hrs
  - 1 SOW 3401 Social Work Research or 3 hrs
  - PAD 4153 Planning and Improvement for Public Organizations or 3 hrs
  - PAD 4325 Program Evaluation for Public and Nonprofit Organizations or 3 hrs

Select 1:
- Group II: Human Development and Human Resource Development and Volunteerism
  - 3 hrs
  - 1 MAN 3301 Strategic Human Resource Management or 3 hrs
  - 1 MAN 4101 Human Relations in Management or 3 hrs
  - 1 MAN 4501 Human Resources Recruitment and Selection or 3 hrs
  - PAD 4414 Human Resource Administration or 3 hrs
  - PAD 4148 Volunteer Management or 3 hrs
  - SOW 3284 Social Work Perspectives on Social Justice or 3 hrs
  - SOW 3104 Human Behavior and the Social Environment I or 3 hrs
  - DEP 2004 Developmental Psychology or 3 hrs
  - DEP 3464 Psychology of Aging or 3 hrs
  - EDG 4941 Directed Field Experience or 3 hrs

Select 1:
- Group III: Communication & Marketing and Fundraising Principles 
  & Practices
  - 3 hrs
  - 1 COM 3110 Business and Professional Communication or 3 hrs
  - 1 GEB 3030 Integrated Business Foundations or 3 hrs

Nonprofit Management/National Certification in Nonprofit Management
College of Health and Public Affairs
School of Public Administration,
Health and Public Affairs II, Room: 238
Stephanie Krick, stephanie.krick@ucf.edu, 407-823-0661

The Nonprofit Management Minor at the University of Central Florida will provide interdisciplinary classroom experience and experiential learning opportunities for students planning a career as a nonprofit professional. If all of the following requirements are met (including “Other Requirements”), the student can earn both a minor and National Certification from the Nonprofit Leadership Alliance.

Minor Admission Requirements
- None

Minor Requirements
- Students must earn a “C” (2.0) or better in each course in the minor.

Prerequisite Courses
- None

Required Courses
- 9 hrs
- PAD 3930 Nonprofit Leadership Seminar 3 hrs
- PAD 4948 Nonprofit Management Internship 3 hrs
- PAD 4144 Nonprofit Organizations 3 hrs

Restricted Electives
- 9 hrs
- Student can earn the remaining 9 credit hours by pursuing either the Generalist Emphasis or the Public Affairs Emphasis. The requirements for each are as follows:

Generalist Emphasis
- Choose at least one course from each of the following three groups

Select 1:
- Group I: Nonprofit Accounting & Financial Management and Planning & Evaluation
  - 3 hrs
  - 1 ACG 2021 Principles of Financial Accounting or 3 hrs
  - 1 ACG 3071 Principles of Managerial Accounting or 3 hrs
  - 1 MAN 3025 Management of Organizations or 3 hrs
  - PAD 4131 Public Sector Project Management or 3 hrs
  - PAD 4204 Fiscal Management or 3 hrs
  - 1 PAD 5850 Grant and Contract Management or 3 hrs
  - 1 SOW 3401 Social Work Research or 3 hrs
  - PAD 4153 Planning and Improvement for Public Organizations or 3 hrs
  - PAD 4325 Program Evaluation for Public and Nonprofit Organizations or 3 hrs

Select 1:
- Group II: Human Development and Human Resource Development and Volunteerism
  - 3 hrs
  - 1 MAN 3301 Strategic Human Resource Management or 3 hrs
  - 1 MAN 4101 Human Relations in Management or 3 hrs
  - 1 MAN 4501 Human Resources Recruitment and Selection or 3 hrs
  - PAD 4414 Human Resource Administration or 3 hrs
  - PAD 4148 Volunteer Management or 3 hrs
  - SOW 3284 Social Work Perspectives on Social Justice or 3 hrs
  - SOW 3104 Human Behavior and the Social Environment I or 3 hrs
  - DEP 2004 Developmental Psychology or 3 hrs
  - DEP 3464 Psychology of Aging or 3 hrs
  - EDG 4941 Directed Field Experience or 3 hrs

Select 1:
- Group III: Communication & Marketing and Fundraising Principles & Practices
  - 3 hrs
  - 1 COM 3110 Business and Professional Communication or 3 hrs
  - 1 GEB 3030 Integrated Business Foundations or 3 hrs
Minors

Minor Requirements

1. Choose at least 3 courses from the following:
   - None
   - Foreign Language Requirements
   - Public Affairs Emphasis
   - Other Requirements

1 Course has prerequisites or may be open to students in that major only. Please see catalog for details.

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- No credit by exam (TSD, Military credit) may be used to satisfy the minor.

Performing Arts Administration - Minor

College of Arts and Humanities

Department of Music,

Performing Arts Center, Room: M203

http://music.cah.ucf.edu/

Lauren Rausch, lauren.rausch@ucf.edu

Music & Theatre majors or other majors with experience/passion for the performing arts, admitted by an interview/portfolio review.

Minor Admission Requirements

- The minor is not open to Anthropology majors.

Minor Requirements

- Students must earn a grade of “C” (2.0) or better in all course used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF.

Prerequisite Courses

- Most courses for this minor will have prerequisites completed as a part of a student’s GEP requirement, as general electives, or a student can enroll into courses with consent of instructor.

Required Courses

- (12 hrs)
- ANT 3245 Native American Religions 3 hrs
- ANT 3312 Ethnology of North American Indians 3 hrs
- ANT 4153 North American Archaeology 3 hrs
- AMH 3580 North American Indians 3 hrs

Restricted Electives

(6 hrs)

- Complete two of the following courses:
- Course substitutions must be approved in advance by the North American Indian Studies Program Director.

Restrictions

- Complete two of the following courses:
- Course substitutions must be approved in advance by the North American Indian Studies Program Director.

Other Requirements

- No credit by exam (TSD, Military credit) may be used to satisfy the minor.

Performing Arts Administration - Minor

College of Arts and Humanities

Department of Music,

Performing Arts Center, Room: M203

http://music.cah.ucf.edu/

Lauren Rausch, lauren.rausch@ucf.edu

Music & Theatre majors or other majors with experience/passion for the performing arts, admitted by an interview/portfolio review.

Minor Admission Requirements

(6 hrs)

- Take one of the following courses:
  - 3 hrs
  - MUL 2010 Enjoyment of Music or 3 hrs
  - MUL 2014 Introduction to Music History and Literature 3 hrs

Take one of the following courses:

(3 hrs)

- THE 2000 Theatre Survey or 3 hrs
- THE 2020 Survey of Theatre for Majors 3 hrs

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses

- (15 hrs)
- The internship will be a capstone experience taking an average of ten hours per week. Students are responsible for securing an internship position, which may be paid or unpaid, on- or off-campus, with qualifying performing arts organization. Students will secure approval for internship positions and responsibilities from the department curriculum committee.

ACG 2021 Principles of Financial Accounting 3 hrs
- PAD 4144 Nonprofit Organizations 3 hrs
- TPA 4400 Theatre Management 3 hrs
- MUS 4320 Music Business and Industry 3 hrs

Internship

- THE 4941 Internship 1 hr

Restricted Electives

(9 hrs)

- Select three courses, one from each of the three different areas.

Finance & Budgeting

- FIN 2100 Personal Finance and Investments 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs
- ACG 2071 Principles of Managerial Accounting 3 hrs
Management
MAR 3023 Marketing 3 hrs
MAN 3025 Management of Organizations 3 hrs

Nonprofit Sector
PAD 4148 Volunteer Management 3 hrs
PAD 4147 Resource Development in the Nonprofit Sector 3 hrs
PAD 3003 Public Administration in American Society 3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 30

Other Requirements
■ A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
■ Grades below “C” (2.0) are not accepted.
■ At least 15 hours in the minor must be earned at UCF within the department.
■ No credit by exam (TSD, Military credit) may be used.

Philosophy - Minor
College of Arts and Humanities
Department of Philosophy,
Psychology Building, Room: 220
http://philosophy.cah.ucf.edu/
Email: philosophy2@ucf.edu
Dr. Jennifer Mundale, Jennifer.Mundale@ucf.edu, 407-823-2273

The Philosophy minor is intended to provide a limited, yet substantive, introduction to philosophical themes related to knowledge, responsibility, and society. Students, in consultation with a departmental advisor, will select courses in accordance with the distributions listed below.

Minor Admission Requirements
■ None

Minor Requirements
■ None

Required Courses
■ None

Reasoning
Select 1: 3 hrs
■ Select one course from each of the following groups:
PHI 2011 Philosophical Reasoning or 3 hrs
PHI 2101 Formal Logic I or 3 hrs
PHI 2647 Logic and Ethics or 3 hrs
PHI 3131 Formal Logic II or 3 hrs
PHI 2108 Critical Thinking 3 hrs

History of Philosophy
Select 1: 3 hrs
■ Select one course from the following:
PHH 3100 Ancient Philosophy or 3 hrs
PHH 3200 Medieval Philosophy or 3 hrs
PHH 3460 Modern Western Philosophy or 3 hrs
PHH 3800 Contemporary Philosophy 3 hrs

Values and Society
Select 1: 3 hrs
■ Select one course from each of the following:
PHI 3670 Ethical Theory or 3 hrs
PHI 3626 Advanced Ethics in Science and Technology or 3 hrs
PHM 3401 Philosophy of Law or 3 hrs
PHI 3800 Aesthetics or 3 hrs
PHH 3123 Feminist Theories or 3 hrs
PHI 3638 Ethical Issues in the 21st Century or 3 hrs
PHI 3625 Virtual Ethics or 3 hrs
PHI 4633 Ethics and Biological Science or 3 hrs
PHH 3100 Freedom and Justice or 3 hrs
PHI 3640 Environmental Ethics or 3 hrs
PHM 4031 Environmental Philosophy or 3 hrs
PHH 3701 Native American Philosophy or 3 hrs

PHI 3805 Contemporary Aesthetics or 3 hrs
PHM 3020 Philosophy of Love or 3 hrs
PHI 4673 Medical Ethics 3 hrs

Being and Knowing
Select 1: 3 hrs
■ Select one additional course from any of the courses listed above.
PHI 4931 Philosophy in the News or 3 hrs
PHI 4321 Philosophies of Embodiment: Mind/Body/Self or 3 hrs
PHM 3022 Sexuality, Gender & Philosophy or 3 hrs
PHI 3033 Philosophy, Religion, and the Environment or 3 hrs
PHI 4804 Critical Theory or 3 hrs
PHP 4783 Modernity as a Philosophical Problem or 3 hrs
PHI 3750 The Problem of Evil or 3 hrs
PHI 3720 Faith and Reason or 3 hrs
PHI 3803 Philosophy and Creativity or 3 hrs
REL 3111 Religion and Philosophy Through Film or 3 hrs
PHP 4786 Existentialism or 3 hrs
PHP 4933 Key Concepts in Philosophy or 3 hrs
PHP 4931 Key Figures in Philosophy 3 hrs

Restricted Electives (3 hrs)
■ Any substitutions must be approved by the department prior to being taken.

Physics - Minor
College of Sciences
Department of Physics, Physical Sciences, Room: 430
http://www.physics.ucf.edu
Email: physics@ucf.edu
Dr. Talat Rahman
Phone: 407-823-2325

Minor Admission Requirements
■ The minor is not open to Physics majors.

Minor Requirements
■ A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
■ Grades below “C” (2.0) in lower level courses are not accepted.
Minors

- At least 9 hours used in the minor must be earned at UCF within the department of Physics.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (11 hrs)
- PHY 2048C General Physics Using Calculus I 4 hrs
- PHY 2049C General Physics Using Calculus II 4 hrs
- PHY 3101 General Physics Using Calculus III 3 hrs

Restricted Electives (9 hrs)
- Select from upper-level Physics lecture or laboratory courses appropriate for majors

Foreign Language Requirements
- None

Total Semester Hours Required
- 20

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Co-op, or Independent Study credit cannot be used toward the minor without prior departmental permission.

Political Science - Minor

College of Sciences

Department of Political Science,
Howard Phillips Hall, Room: 302
http://politicalscience.cos.ucf.edu
Email: politics@ucf.edu
Dr. Roger Handberg
Phone: 407-823-2608

Minor Admission Requirements
- Double major/dual degree policy in Political Science programs and minors:
  - 1. Students who double minor in Political Science and International and Global Studies shall not count more than one course toward both programs.
  - 2. Students who major in International and Global Studies, and minor in Political Science, shall not count more than one course toward both programs, except for the following courses:
    - POS 2041 American National Government 3 hrs

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 12 hours used in the minor must be earned at UCF within the department of Political Science.

Prerequisite Courses
- Most courses for this minor will have prerequisites completed as a part of a student’s GEP requirement, as general electives, or a student can enroll into courses with consent of instructor.

Required Courses (6 hrs)
- POS 2041 American National Government 3 hrs
- POS 4284 Judicial Process and Politics 3 hrs

Restricted Electives (12 hrs)
- Select 1:
  - 3 hrs
    - INR 4401 International Law or
    - POS 4603 American Constitutional Law I or
    - POS 4604 American Constitutional Law II

Restricted Upper Division Electives (9 hrs)
- Three upper division Political Science courses (courses with prefixes CPO, INR, POS, POT, and PUP; GEO 3471 or IDS 4315 are Political Science courses; see the Political Science Major description for a list of courses that may be offered by the department).
- Only three hours of the following course may be counted:
  - POS 4941 Political Science Internship 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Co-op, or Independent Study credit cannot be used toward the minor without prior departmental permission.

Political Science/Prelaw - Minor

College of Sciences
Department of Political Science,
Howard Phillips Hall, Room: 302
http://politicalscience.cos.ucf.edu/
Email: politics@ucf.edu
Dr. Roger Handberg
Phone: 407-823-2608

Minor Admission Requirements
- Double major/dual degree policy in Political Science/Prelaw programs and minors:
  - Students who double minor in Political Science/Prelaw and International and Global Studies shall not count more than one course toward both programs.
  - Students who major in International and Global Studies, and minor in Political Science/Prelaw shall not count more than one course toward both programs, except the following:
    - POS 2041 American National Government 3 hrs

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 12 hours used in the minor must be earned at UCF within the Department of Political Science.

Prerequisite Courses
- Most courses for this minor will have prerequisites completed as a part of a student’s GEP requirement, as general electives, or a student can enroll into courses with consent of instructor.

Required Courses (6 hrs)
- POS 2041 American National Government 3 hrs
- POS 4284 Judicial Process and Politics 3 hrs

Restricted Electives (12 hrs)
- Select 1:
  - 3 hrs
    - INR 4401 International Law or
    - POS 4603 American Constitutional Law I or
    - POS 4604 American Constitutional Law II

Restricted Upper Division Electives (9 hrs)
- Three upper division Political Science courses (courses with prefixes CPO, INR, POS, POT, and PUP; GEO 3471 or INR 4008 are Political Science courses; see the Political Science Major description for a list of courses that may be offered by the department).
- Only three hours of the following course may be counted:
  - POS 4941 Political Science Internship 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Co-op, or Independent Study credit cannot be used toward the minor without prior departmental permission.

Pre-Law in the Humanities - Minor

College of Arts and Humanities
Department of History
Patricia Farless, Patricia.Farless@ucf.edu, 407-823-2225

Admission Requirements
- None
Minor Requirements
- None

Prerequisite Courses
- Students are responsible for meeting any prerequisites for the courses in the minor or for obtaining course instructor permission if prerequisites are not met.

Required Courses

Select 3 courses from the following: 9 hrs
- AMH 3558 History of American Law 3 hrs
- ENC 3314 Writing and Rhetoric 3 hrs
- LIT 3933 Literature and Law 3 hrs
- PHI 2101 Formal Logic I 3 hrs

Restrict Electives
Select 3 additional Pre-Law Humanities minor 9 hrs courses from the list below; one of these may include the 4th course from the list above.

English
- ENC 4312 Theory & Practice of Persuasive Writing or 3 hrs
- LIN 4801 Language and Meaning or 3 hrs
- LIT 3437 International Environmental Justice Literature 3 hrs

History
- AMH 3560 Women, Law, and Society in America 3 hrs
- EUH 4504 English Legal History I 3 hrs

Philosophy
- PHI 2108 Critical Thinking or 3 hrs
- PHI 3670 Ethical Theory or 3 hrs
- REL 4178 Religion and Law 3 hrs

Writing and Rhetoric
- ENC 3250 Professional Writing or 3 hrs
- ENC 3373 Cultural Rhetorics or 3 hrs
- ENC 3521 Writing Across Difference 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- You may take a maximum of 6 hours from a single department.
- A grade of "C" (2.0) or better is required in each course used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF within the College of Arts and Humanities.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Professional Selling - Minor

College of Business Administration
Department of Marketing

UCF Majors other than Marketing

Admission Requirements
- Open to all UCF Majors other than Marketing
- Application to and approval by the Department of Marketing required. Limited enrollment.
- Completion of MAR 3023 with a "B" (3.0) or better prior to application to the minor.
- Completion of MAR 3391 with a "B-" (2.75) or better prior to application to the minor.
- UCF overall GPA of 2.75 or better required at time of application/admission to the minor.

Minor Requirements
- After admission to the Professional Selling minor, a grade of "C" (2.0) or better is required in all marketing courses taken to satisfy the minor.
- Four courses required for the Professional Selling minor (MAR 3391, MAR 4418, MAR 4415C, MAR 4413C) must be earned at UCF within the Department of Marketing.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (18 hrs)
- MAR 3023 Marketing 3 hrs
- MAR 3391 Professional Selling 3 hrs
- MAR 3611 Marketing Analysis and Research Methods 3 hrs
- MAR 4418 Strategic Sales Force Management 3 hrs
- MAR 4415C Advanced Professional Selling 3 hrs
- MAR 4413C Strategic Issues in Sales 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- Grades below "C" (2.0) or "S" grades from other institutions are not accepted.
- Courses taken at Florida College System institutions do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- No credit by exam (TSD, Military credit) may be used. Independent Study or Directed Research credit cannot be used toward the Professional Selling minor.
- A maximum of 3 credit hours of the listed required courses for the Professional Selling minor can be counted towards the degree requirements of another major or minor degree program. MAR 3407 does not substitute for MAR 3391 in the Professional Selling minor.

Psychology - Minor

College of Sciences
Department of Psychology,
Psychology Building, Room: 301
http://www.psych.ucf.edu/
Email: psychadvising@ucf.edu
Psychology Advising Center, PSY 250
Phone: 407-823-2219

The Psychology Department minor permits emphasis of several areas; Clinical Psychology, Human Factors Psychology, and Industrial/Organizational Psychology. When designing a minor, select courses which strengthen graduate school preparation and/or employment potential. Emphasis areas will not appear on the transcript.

Minor Admission Requirements
- The minor is not open to psychology majors.

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Students must maintain a minimum GPA of "C" (2.0) in the minor.
- At least 12 hours used in the minor must be earned at UCF within the department of Psychology.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (10 hrs)
- PSY 3204C Statistical Methods in Psychology 4 hrs
- PSY 3204C General Psychology 3 hrs
## Minor Requirements

### Public Administration - Minor

**Select one statistics course:**
- STA 2014C Principles of Statistics or 3 hrs
- STA 2023 Statistical Methods I 3 hrs

**Restricted Electives**

**A. Experimental**
- Select 1: 3 hrs
  - EXP 3204 Perception or 4 hrs
  - EXP 3404 Basic Learning Processes or 3 hrs
  - EXP 3604 Cognitive Psychology or 4 hrs
  - PSB 4240C Neuropsychology or 4 hrs
  - EXP 3640 Psychology of Language 3 hrs

**B. Personality/Social**
- Select 1: 3 hrs
  - PPE 3003 Personality Theory and Research or 3 hrs
  - SOP 3004 Social Psychology 3 hrs

**C. Developmental**
- Select 1: 3 hrs
  - DEP 2004 Developmental Psychology or 3 hrs
  - DEP 3202 Psychology of Exceptional Children or 3 hrs
  - DEP 3464 Psychology of Aging 3 hrs

**D. Diversity**
- Select 1: 3 hrs
  - CLP 3184 Women’s Mental Health or 3 hrs
  - SOP 3723 Cross Cultural Psychology or 3 hrs
  - SOP 3724 Psychology of Prejudice or 3 hrs
  - SOP 3742 Psychology of Women or 3 hrs
  - SOP 3784 Psychology of Diversity 3 hrs

**E. Select one additional Psychology elective**
- The following courses will NOT fulfill this requirement:
  - INP 3141C Advanced Applied Psychology 3 hrs
  - INP 3951 Industrial/Organizational Field Work 3 hrs
  - PSY 3905 Directed Independent Study 1 hr
  - PSY 4906 Directed Independent Study 3 hrs
  - PSY 4912 Directed Independent Research 3 hrs
  - \(^1\) PSY 3951 Undergraduate Field Work 3 hrs

\(^1\) This course may fulfill the requirement with prior approval.

### Foreign Language Requirements

- None

### Total Semester Hours Required

- 21

### Other Requirements

- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

## Real Estate - Minor

**College of Business Administration**

**Dr. P. Phillips School of Real Estate,**
**Business Administration I, Room: 427**

Students seeking advising must go to BA 2 room 101.


Phone: 407-823-3575

Open to Business and Non-Business Students. Not available to Real Estate Majors.

### Minor Admission Requirements

- None

### Minor Requirements

- None

### Prerequisite Courses

- None

### Required Courses

**Select 2:**
- REE 4103 Real Estate Appraisal and Valuation or 3 hrs
- REE 4203 Commercial Real Estate Finance or 3 hrs
- REE 4204 Residential Real Estate Finance or 3 hrs
- REE 4303 Real Estate Investment Analysis or 3 hrs
- REE 4732 Real Estate Development or 3 hrs
- REE 3614 Environmental Issues for Real Estate or 3 hrs
- REE 4933 Advanced Topics in Real Estate 3 hrs

### Restricted Electives

- None

### Foreign Language Requirements

- None

### Total Semester Hours Required

- 18

### Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) or “S” grades from other institutions are not accepted.
- Courses taken at Florida College System institutions do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
Religion and Cultural Studies - Minor
College of Arts and Humanities

Department of Philosophy,
Psychology Building, Room: 220
http://philosophy.cah.ucf.edu/
Email: philosophy2@ucf.edu

Religion and Cultural Studies is a minor designed to familiarize students with religious traditions around the world, from ancient to contemporary cultures, as well as to introduce students to critical theories and methods through which to view and analyze the category of religion and its associated concepts, practices, and meanings in all areas of life. The program emphasizes the academic study of religion, and does not privilege any particular tradition or belief. This program can be completed online, although not every course in each category is offered as an online course.

Minor Admission Requirements
■ None

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses (18 hrs)
A. Studying Religion and Culture 3 hrs
Select 1: 3 hrs
REL 2000 Introduction to Religion and Cultural Studies or
REL 2300 World Religions

B. Traditions 6 hrs
■ Must select one in each category with at least one course from the Philosophy Department
Abrahamic Traditions 3 hrs
REL 3403 Christianity or 3 hrs
REL 3363 Islam or 3 hrs
REL 3320 Moses, Jesus and Muhammad or 3 hrs
REL 3432 Roots of Western Mysticism or 3 hrs
JST 3401 Jewish People in Antiquity or 3 hrs

Asian and Indigenous Traditions 3 hrs
REL 3333 Hinduism or 3 hrs
REL 3340 Buddhism or 3 hrs
ANT 3245 Native American Religions or 3 hrs

C. Theories and Methods 6 hrs
■ Must select one in each category
Religion 3 hrs
REL 4936 Key Figures in Religion and Cultural Studies or
REL 4496 Key Concepts in Religion and Cultural Studies or
PHI 3700 Philosophy of Religion or
REL 4157 Religion and Psychoanalysis or
PHI 3720 Faith and Reason or

Cultural Studies 3 hrs
HUM 4459 American Cultural Studies in Humanities or
HUM 3805 Critical Theory in the Humanities or
HUM 3326 Theories of Sex and Gender in Humanities or
HUM 4823 Queer Theory in the Humanities or
HUM 4826 Postcolonial Theory or
PHI 4804 Critical Theory or
PHI 3600 Contemporary Philosophy

D. Religion in Culture 3 hrs
■ Must select one from the following:
REL 3111 Religion and Philosophy Through Film
REL 3115 Religion, Spirituality, and Popular Music
REL 3130 Religion in America
REL 4110 Religion and the Arts
REL 4180 Religion and Medicine
REL 3112 Religion and 20th Century Fantasy Texts
REL 3101 Religion in Popular Culture
REL 4178 Religion and Law
ANT 3241 Magic, Ritual, and Belief
JST 3550 Introduction of Modernism into Judaism
POT 4632 Religion and Politics
SYO 4200 Religion in Society

Restricted Electives
■ None

Foreign Language Requirements
■ None

Total Semester Hours Required 18

Other Requirements
■ A ‘C’ (2.0) grade or better is required in all courses used to satisfy the minor.
■ At least 12 hours used in the minor must be earned at UCF.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship, Co-op, or Independent Study credit cannot be used toward the minor without prior approval by the Director.

Russian Studies - Minor
College of Arts and Humanities

Department of History, Colbourn Hall, Room: 551
Email: History@ucf.edu
Dr. Vladimir Solonari
Dr. Alla Kourova
Phone: 407-823-6617

Admission Requirements
■ None

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses
Language Classes 6 hrs
RUS 2200 Intermediate Russian Language and Civilization I
RUS 2201 Intermediate Russian Language and Civilization II

Restricted Electives
History 6 hrs
EUH 4571 History of Russia to 1801
EUH 4574 History of Russia: 1801-1917
EUH 4576 History of Russia in the 20th Century
EUH 4663 History of Communism in Europe

Government/Politics 3 hrs
CPO 3614 Politics of Eastern Europe
CPO 4643 Government and Politics of Russia
PLA 4830 World Legal Systems
POT 4414 Marxist Political Theory

Cultural 3 hrs
LIT 3082 Continental European Fiction Since 1900
LIT 3931 Topics in World Literature
LIT 4233 Postcolonial Theory and Literature
RUT 3505 Russian Culture and Civilization
RUS 3955 Study Abroad

Foreign Language Requirements
■ None

Total Semester Hours Required 18
Minors

Other Requirements

- A minimum GPA of 2.0 is required for all courses used to satisfy a minor.
- At least 12 hours used in the minor must be earned at UCF.
- Except for the foreign language requirement, no credit by exam may be used.
- Internship, Co-op, or Independent Study cannot be used toward the minor.

Science Education - Minor

College of Education and Human Performance
School of Teaching, Learning, and Leadership,
Education Building, Room: 209
http://education.ucf.edu/science/
Dr. Malcolm Butler, ED 322T, malcolm.butler@ucf.edu, 407-823-3272
Dr. Janet Andreasen, ED 123Q, Janet.Andreasen@ucf.edu

The Science Education minor is intended for non-Science Education majors. It is well suited for students majoring in another secondary content area or as an area for students enrolled in Interdisciplinary Studies. This minor is available for students in the 2008 catalog year and beyond. This minor is not available to students in pending status in a College of Education and Human Performance major.

Minor Admission Requirements

- Have a minimum 2.5 overall GPA
- Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from a Florida College System or State University System institution.

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses (19 hrs)

- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
- SCE 4360 Science Instructional Analysis 4 hrs
- SCE 4361 Programs in Teaching Science 3 hrs

Restricted Electives

- None

Foreign Language Requirements

- None

Total Semester Hours Required

- 19

Other Requirements

- Students should see an advisor prior to registering for classes
- Students must complete 18 hrs of courses in science as co-requisites
- Recommended courses include: BSC 2010C, BSC 2011C, CHM 2045C, CHM 2046, PHY 2053C or PSC 1121
- At least 12 hours in the minor must be earned at UCF
- Obtain a minimum 2.5 GPA in courses required for minor

Secure Computing and Networks - Minor

College of Engineering and Computer Science
Department of Computer Science,
Harris Corp. Engineering Center, Room: 346
http://www.cs.ucf.edu
Dr. Mark Llewellyn, markl@cs.ucf.edu, 407-823-3327

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses (6 hrs)

- CIS 3360 Security in Computing 3 hrs
- CIS 3362 Cryptography and Information Security 3 hrs

Restricted Electives (12 hrs)

- Elective Courses: Select any four courses from the following list.

Select 4: 12 hrs

- CNT 4403 Network Security and Privacy or 3 hrs
- CIS 4381 Secure Operating Systems and Administration or 3 hrs
- CIS 4615C Secure Software Development and Assurance or 3 hrs
- CNT 4703C Design and Implementation of Computer Communication Networks or 3 hrs
- CNT 4704 Analysis of Computer Communication Networks or 3 hrs
- COP 4600 Operating Systems or 3 hrs
- EEL 4781 Computer Communication Networks 3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- A minimum GPA of 2.0 is required in all the courses used to satisfy the minor
- No credit by exam (TSD, Military credit) may be used
- Internship, Co-op, or Independent Study credit cannot be used toward the minor

Social Science Education - Minor

College of Education and Human Performance
School of Teaching, Learning, and Leadership,
Education Building, Room: 209
http://education.ucf.edu/ssed/
Dr. Scott Waring, ED 206J, Scott.Waring@ucf.edu, 407-823-1766
Dr. Janet Andreasen, ED 123Q, Janet.Andreasen@ucf.edu

The Social Science Education minor is intended for non-Social Science Education majors. It is well suited for students majoring in another secondary content area or as an area for students enrolled in Interdisciplinary Studies. This minor is available for students in the 2008 catalog year and beyond. This minor is not available to students in pending status in a College of Education and Human Performance major.

Minor Admission Requirements

- Have a minimum 2.5 overall GPA
- Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from a Florida College System or State University System institution.

Minor Requirements

- None

Prerequisite Courses

- None
### Minors

#### Sociology - Minor
College of Sciences
Department of Sociology, Howard Phillips Hall, Room: 403
http://sociology.ucf.edu/
Dr. Lin Huff-Corzine, sociology@ucf.edu, 407-823-3744

Minor Admission Requirements
- The minor is not open to Sociology majors.

Minor Requirements
- Students are expected to have a minimum GPA of 2.0 in the minor and earn a "C" or better in each course used to satisfy the minor.
- No more than 3 hours of Independent Study credit can be used toward the minor.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>(18 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDG 4410 Teaching Strategies and Classroom Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDF 4467 Learning Theory and Assessment</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TSL 4080 Theory and Practice of Teaching ESOL</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RED 4043 Content Reading in Kindergarten through Grade 12</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SSE 4361 Social Science Instructional Analysis</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SSE 4936 Programs in Teaching Social Science</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- Students should see an advisor prior to registering for classes.
- Students must complete 18 hrs of courses in social science as co-requisites.
- At least 12 hours in the minor must be earned at UCF.
- Obtain a minimum 2.5 GPA in courses required for minor.

#### Spanish - Minor
College of Arts and Humanities
Department of Modern Languages and Literatures, Colbourn Hall, Room: 519
http://mll.cah.ucf.edu/
Dr. Francisco J. Fernandez-Rubiera, Rubiera@ucf.edu

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>(9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPN 3300 Advanced Spanish Grammar and Composition</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPN 3420 Spanish Composition</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPN 3760 Advanced Spanish Oral Communication</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A native or near-native speaker must substitute an alternate upper division course for the advanced oral communication course.

#### Sport Business Management (SPB) - Minor
College of Business Administration
DeVos Sport Business Management, Business Administration II, Room: 302Z
Dr. Scott Bukstein, Program Coordinator for Sport Business Minor, scott.bukstein@ucf.edu, 407-823-1513

Open to Business and Non-Business majors. Minor will only be awarded at the time of degree completion. A 2.5 GPA in the minor is required in order to receive this minor.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>(18 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPB 3003 Introduction to Sport Business Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPB 3603 Diversity and Social Issues in Sport Business Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPB 3823 The Role of Business Entrepreneurship in Sports/Entertainment</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPB 4304 Sports Event and Facility Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPB 4504 Sport Business and Media</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEB 4824 Business Law in Sport &amp; Entertainment</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental permission.
Minors

- Students must maintain a minimum GPA of 2.5 to be enrolled in courses within the minor.
- No credit by exam (CLEP, TSD, Military credit) may be used to satisfy any of the credit hour requirements in the minor.
- Internship, Independent Study, and Directed Research credit hours may be applied toward the requirements of completing the minor only if the credit hours are approved by the appropriate Department Chair.
- At least nine credit hours must be earned at UCF within the DeVos undergraduate Sport Management Minor program.
- A maximum of six credit hours of the above-listed required courses can count toward another major or minor degree program.

Statistics - Minor
College of Sciences
Department of Statistics,
Computer Center II, Room: 212
http://statistics.cos.ucf.edu/
Email: statistics@ucf.edu
Dr. David Nickerson, david.nickerson@ucf.edu
Phone: 407-823-2289

Minor Admission Requirements
- The minor is not open to Statistics majors.

Minor Requirements
- A minimum grade of “C” (2.0) is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department of Statistics.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses
- STA 4163 Statistical Methods II 3 hrs
- STA 4164 Statistical Methods III 3 hrs
- Select 1:
  - STA 2023 Statistical Methods I or 3 hrs
  - STA 3032 Probability and Statistics for Engineers 3 hrs

Restricted Electives
- Select from upper division STA prefix courses taught within the Statistics Department.
- The following course CAN NOT be used as a restricted elective:
  - STA 3032 Probability and Statistics for Engineers 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Technical Education and Industry Training - Minor
College of Education and Human Performance
Department of Child, Family and Community Sciences,
Education Complex, Room: ED 123 N
http://education.ucf.edu/teched/
Dr. Jo Ann M. Whiteman, JoAnn.Whiteman@ucf.edu, 407-823-5305

The minor in Technical Education and Industry Training provides a limited, but substantive experience in the area of technical education and industry training of adults. The minor is not available to students in the College of Education and Human Performance with the exception of Sport and Exercise Science. The minor does not lead to teacher certification or admission to the College of Education and Human Performance. All courses are offered solely using the Web. This minor is available for students in the 2003 catalog year and beyond.

Minor Admission Requirements
- Minimum 2.5 overall GPA
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida College System or State University System institution.

Minor Requirements
- None

Prerequisite Courses
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum of 4 courses of the 6 required must be completed at UCF within the program of courses listed above.
- A grade of “C” (2.0) or better must be achieved in each course used for this Minor.
- Internship, Co-op, or Independent Study credit cannot be used toward this Minor.
- No Military credit can be used toward this Minor.
- Completion of this Minor does not complete requirements for certification as a Vocational Education teacher nor does it constitute admission to the College of Education and Human Performance.

Technological Entrepreneurship - Minor
College of Business Administration
Department of Management,
Business Administration I, Room: 309
Open to Business and Non-Business Students
http://www.cel.ucf.edu
Dr. Cameron Ford, cford@ucf.edu
Phone: 407-823-5569

The Technological Entrepreneurship Minor offers students an opportunity to learn how to develop and commercialize innovations. The courses describe several commercialization pathways including corporate ventures and licensing, but will emphasize the development of startup business ventures. Students will learn how to create economic and social value and incorporate business considerations into their problem solving and design efforts. Participants will also learn contemporary approaches to designing and implementing technology startup business models capable of taking an innovation to market.

UNIVERSITY OF CENTRAL FLORIDA
### Terrorism Studies - Minor

**College of Sciences**

Department of Political Science, Howard Phillips Hall, Room: 302

[http://www.cos.ucf.edu/politicalscience](http://www.cos.ucf.edu/politicalscience)

**Email:** politics@ucf.edu

Dr. Paul Vasquez

Phone: 407-823-2608

Awareness of and knowledge about terrorism and counter-terrorism are increasingly essential in a variety of public and private sector organizations. Students in this minor will gain knowledge in competing ideologies that give rise to terrorism, coercive techniques in international affairs, global security management, and key aspects of American security policy. In addition to a core understanding of terrorism, the focus on a specific area of geographic or strategic interest will meet the market needs for individuals with substantive area knowledge. This minor program is available to students from varied disciplines to enhance their capability to address the threat of terrorism and understand how it might impact their own field.

**Admission Requirements**

- None

**Minor Requirements**

- A grade of "C" (2.0) or better is required in all courses counting towards the minor.
- At least 15 hours used in the minor must be taken at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internships, independent study and substitute courses/new courses are allowed at the director’s discretion (for a maximum of 3 credit hours).
- No more than 3 credit hours may overlap with any other major or minor.

**Prerequisite Courses**

Students must satisfy each course’s prerequisites before enrolling in the class.

**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>DSC 4012</td>
<td>Terrorism</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4084</td>
<td>Politics of International Terrorism</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Restricted Electives**

Select two from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CCJ 4076</td>
<td>Crime Intelligence and Investigative Support</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COM 4416</td>
<td>Terrorism and Communication Support</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CPO 3057</td>
<td>Contemporary Revolution and Political Violence</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DSC 4013</td>
<td>Homeland Security and Criminal Justice</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 3930H</td>
<td>ST: Honors Terrorism from a Global Perspective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4114</td>
<td>American Security Policy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4335</td>
<td>Coercion in International Politics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4364</td>
<td>The Intelligence Community</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4764</td>
<td>Cyberwarfare Policy</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

---

**Minor Admission Requirements**

- None

**Minor Requirements**

- None

**Prerequisite Courses**

- None

**Required Courses**

- (12 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENT 3613</td>
<td>Creativity and Entrepreneurship</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENT 4013</td>
<td>New Venture Design</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENT 4014</td>
<td>New Venture Implementation</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Select 1**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIG 3563</td>
<td>Information Management and Entrepreneurship</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 4641C</td>
<td>Engineering Entrepreneurship or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENT 4183</td>
<td>Technological Entrepreneurship</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENT 4503</td>
<td>Social Entrepreneurship</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENT 4948</td>
<td>Launching the Venture I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENT 4949</td>
<td>Launching the Venture II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENT 4906</td>
<td>Directed Independent Study</td>
<td>1 hr</td>
</tr>
<tr>
<td>ENT 4942</td>
<td>Entrepreneurial Internship</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAR 3765</td>
<td>Entrepreneurial Marketing</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Restricted Electives**

- (6 hrs)

**Design or innovation course sequence examples**

- EEL 4914 Senior Design I & EEL 4915L Senior Design II: 6 hrs
- EML 4501C Engineering Design I & EML 4502C: 6 hrs
- DIG 4713C Game Design & DIG 4715C Game Production: 6 hrs

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 18

**Other Requirements**

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) or “S” grades from other institutions are not accepted.
- Courses taken at Florida College System institutions do not substitute for upper division courses.

---

**Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.**

- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- A maximum of 6 hours of the above listed required or elective courses can count toward another major or minor degree program.
Minors

Restricted Upper Division Electives (3000 level or above)
- Two classes focused on regional/issue area study. Classes to be chosen in consultation with the program director. Students are encouraged to propose course selections that are relevant to their expertise. Computer science/cyber-warfare, physical science/bio-weapons proliferation by non-state actors, and global issues are examples.
- A minimum grade of “C” (2.0) is required in each course.

For Example:
- ASH 3223 The Modern Middle East and... 3 hrs
- CPO 3403 Politics of the Middle East 3 hrs
- OR INR 4243 International Politics of Latin America and... 3 hrs
- OR LAH 3400 History of Mexico and Central America 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 21

Other Requirements
- None

Theatre - Minor

College of Arts and Humanities
Department of Theatre,
Performing Arts Center, Room: T210A
http://theatre.cah.ucf.edu/
Email: theatre@ucf.edu
407-823-2862

Minors Admission Requirements
- We accept minor applications at any time. Email the following application materials to theatre@ucf.edu:
  - A statement of why you want to become a Theatre Minor
  - A completed UCF Theatre Department Student Information Form (found on our website)

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (12 hrs)
- THE 2000 Theatre Survey 3 hrs
- THE 3006 Greece to Grease: Development of Theatre 3 hrs
- 1 TPP 2110C Acting I - Introduction 3 hrs
- 2 TPP 2200 Introduction to Technical Theatre 2 hrs
- TPA 2200L Theatre Participation-Production I 1 hr

1 Can substitute TPP 2185 Acting for Non-Majors or any Acting Class
2 Can substitute any Stagecraft Class.

Restricted Electives (6 hrs)
- Any DAA, DAN, THE, TPA, or TPP course taught by the Theatre Department and not already applied toward a program requirement. Independent Study, Undergraduate Research and Honors in the Major courses taught by the Department of Theatre can also be used as electives. Exceptions must be approved by the Theatre Department Undergraduate Coordinator.

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A grade of “C” (2.0) or better is required in all courses used to satisfy the minor.

At least 12 hours used toward the minor must be earned from the UCF Theatre Department. Transfer credits are allowed, but student must still complete 12 credits from UCF Theatre Department.
- No credit by exam (TSD, Military credit) may be used.
- Students must consult departmental handbooks every semester.
- Students are encouraged to consult the theatre minor advisor with questions regarding course selection and electives.

Urban and Regional Planning - Minor

College of Health and Public Affairs
School of Public Administration,
Health and Public Affairs II, Room: 238
http://www.cohpa.ucf.edu/publicadmin
Phone: 407-823-2604

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (21 hrs)
- PAD 3330 Urban and Regional Planning 3 hrs
- PAD 4712 Information Systems for Public Managers and Planners 3 hrs
- PAD 4331 Land Use and Planning 3 hrs
- PAD 4334 Urban Design 3 hrs
- PAD 4253 Community & Economic Development 3 hrs
- PAD 4351 Issues in Environmental Program Management 3 hrs
- PAD 4803 Issues in Urban Administration 3 hrs

Restricted Electives

Suggested Courses
- Students in the Minor program are strongly encouraged to take the following courses as electives to enhance their understanding of the field.
  - PAD 4822 Intergovernmental Administration 3 hrs
  - PAD 4390 Hazard Mitigation and Preparedness 3 hrs
  - PAD 4392 Emergency Management and Homeland Security 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 21

Other Requirements
- A minimum grade of “C” (2.0) is required in each course used to satisfy the minor.
- At least 15 hours used to satisfy the minor must be earned at UCF within the department.
- Internship or Independent Study credit cannot be used toward the minor.
- No credit by exam (TSD, Military credit) may be used.
The Women's and Gender Studies minor emphasizes intersectional approaches to the study of gender, race, class, ethnicity, and sexuality in national and transnational contexts. Course offerings examine social constructions of sex and gender and provide students with an opportunity to learn about women's historical and contemporary roles. Students gain a working knowledge of interdisciplinary feminist scholarship, and reflect critically on their life experiences as shaped by gender and other forms of diversity. Courses are drawn from various departments and schools, including Anthropology, Art, Communication, Criminal Justice and Legal Studies, Film, English, Health Professions and Physical Therapy, History, Philosophy, Political Science, Psychology, Nursing, Social Work, Sociology, Theater, and the Women's and Gender Studies Program. Subcategories of focus include feminist theories, girl studies, queer studies, and global and transnational issues.

Minor Admission Requirements

- None

Minor Requirements

- Students cannot earn both the minor in Women's and Gender Studies and the Certificate on Gender Studies.

Prerequisite Courses

- None

Required Courses (12 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>WST 3015</td>
<td>Introduction to Women's Studies</td>
<td>3 hrs</td>
</tr>
<tr>
<td>WST 3003</td>
<td>Introduction to Gender Studies</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Selected 2: 6 hrs

- Select two courses from the Theories Group, one of which must be a WST prefixed course.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>WST 3522</td>
<td>First and Second Wave Feminisms or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>WST 3561</td>
<td>Third Wave Feminisms or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>WST 3621</td>
<td>Theories of Masculinity or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>WST 4415</td>
<td>Global and Transnational Feminism or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIT 4554</td>
<td>Advanced Feminist Theories or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHM 3123</td>
<td>Feminist Theories or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>WST 3020</td>
<td>Girls' Studies or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>WST 3460</td>
<td>Women, Race and Struggle or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HUM 4823</td>
<td>Queer Theory in the Humanities or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HUM 3326</td>
<td>Theories of Sex and Gender in Humanities</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Restricted Electives (6 hrs)

- Students should complete at least one of their two Elective courses outside their major. Students may count additional courses from the Theories Group as electives toward the minor. Students may use course substitutions, internship, independent study, or Special Topics credit toward the minor only with the approval of the program director. No more than one 2000-level course will count toward the minor.

Women's Studies Disciplinary Approaches

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>WST 3371</td>
<td>Women and Leadership</td>
<td>3 hrs</td>
</tr>
<tr>
<td>WST 3500</td>
<td>Gender Issues and Community Activism</td>
<td>3 hrs</td>
</tr>
<tr>
<td>WST 4002</td>
<td>Research in Women and Gender Studies</td>
<td>3 hrs</td>
</tr>
<tr>
<td>WST 4021</td>
<td>Girls and Leadership</td>
<td>3 hrs</td>
</tr>
<tr>
<td>WST 4349</td>
<td>Ecofeminism</td>
<td>3 hrs</td>
</tr>
<tr>
<td>WST 4023</td>
<td>Virtual Girls</td>
<td>3 hrs</td>
</tr>
<tr>
<td>WST 4022</td>
<td>Girls and the Body</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Women's History

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 3561</td>
<td>Women in American History I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AMH 3562</td>
<td>Women in American History II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ASH 4304</td>
<td>Women in China</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EUH 4610</td>
<td>Women in European Society: From Medieval to Modern</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AMH 4680</td>
<td>Women in American Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3510</td>
<td>Notable Women in Jewish History</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Representations of Women

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AML 3283</td>
<td>Contemporary American Women's Fiction</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARH 4871</td>
<td>Women in Art</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COM 4014</td>
<td>Gender Issues in Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3800C</td>
<td>Images of Women in Film</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIT 3383</td>
<td>Women in Literature</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIT 3823</td>
<td>Hispanic Women Writers</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHM 3022</td>
<td>Sexuality, Gender &amp; Philosophy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIT 3381</td>
<td>Women Writers of Color</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AML 3286</td>
<td>Early American Women's Words</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 4374</td>
<td>Gendered Rhetorics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 3272</td>
<td>What a Drag: The Art of Transgender in Entertainment</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Women's Wellness

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLP 3184</td>
<td>Women's Mental Health</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NSP 4425</td>
<td>Women's Health Issues</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SOP 3742</td>
<td>Psychology of Women</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Gender and Social Policy

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 3302</td>
<td>Sex, Gender and Culture</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CCJ 4600</td>
<td>Women and Crime</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CCJ 4681</td>
<td>Domestic Violence and the Justice System</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 4710</td>
<td>Women in Comparative Politics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4086</td>
<td>Women, Gender, and Globalization</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PUP 3325</td>
<td>Women and Political Behavior</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PUP 4323</td>
<td>Women and Public Policy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYD 4810</td>
<td>Women in Contemporary Society</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYD 4813</td>
<td>Women, Law and Social Change</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYO 4100</td>
<td>Family Trends</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYO 3800</td>
<td>Sex and Gender in Society</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3629</td>
<td>Family Values</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHM 3020</td>
<td>Philosophy of Love</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- Minimum grade of “C” (2.0) is required in each course used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, military credit) may be used.

World Comparative Studies - Minor

College of Undergraduate Studies

Office of Interdisciplinary Studies,
Classroom I, Room: 302

http://www.is.ucf.edu
Email: is@ucf.edu
Phone: 407-823-0144

The World Comparative Studies (WCS) minor is an interdisciplinary academic program intended to prepare students to live and work in, and make sense of, an increasingly interdependent and multicultural world. Students with an interest in international studies, as well as careers in business, communications, economics, education, environmental science, history, and politics, are invited to consider the minor as a supplement to their major.

All students must engage in an approved international experience. The language proficiency requirement must also be met.

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses (3 hrs)

- IDS 3333 World Comparative Studies

<table>
<thead>
<tr>
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<tr>
<td>ASH 4304</td>
<td>Women in China</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EUH 4610</td>
<td>Women in European Society: From Medieval to Modern</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
Minors

Restricted Electives (15 hrs)

- Thematic Concentrations: Select five courses from within one of the concentrations below. Courses not on the list may be taken with the prior approval of the program advisor. Students must meet all prerequisites before enrolling in these courses. No more than 6 hours of coursework may overlap in a student’s major and this minor without permission of the Interdisciplinary Studies office. Two upper division foreign language courses (6 hours) may be substituted in any of the thematic concentrations.

- Language and Culture
  - Regional courses: Students may take up to two courses dealing with at least two regions of the world in consultation with academic advisor in the Office of Interdisciplinary Studies.
  - Thematic Concentrations: Select five courses from
    - Economics
      - Regional courses: Students may take up to two courses
      - Thematic Concentrations: Select five courses from
        - World Independent Specialization
          - Any five upper division courses from the approved list of courses in any thematic concentration may be selected without permission of the Interdisciplinary Studies office.

Foreign Language Requirements

- Students must demonstrate the equivalent of one year of successful college-level study in a foreign language. They can do this either by successful completion of the appropriate college-level course(s) or by examination.

Total Semester Hours Required

18

Other Requirements

- A grade of “C” (2.0) or above is required in each course used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study and international experiences require prior approval from the Interdisciplinary Studies advisors to be used in the minor.

World Languages Education - English for Speakers of Other Languages (ESOL) - Minor

College of Education and Human Performance
School of Teaching, Learning, and Leadership

Irina McLaughlin, irina.mclaughlin@ucf.edu, 352-536-2113

World Languages Education - English for Speakers of Other Languages (ESOL) Education minor is intended for College of Education and Human Performance students in undergraduate initial certification programs. The World Languages Education - ESOL minor is intended for Education majors and is well suited for College of Education and Human Performance students majoring in secondary content areas. This minor is not available to students in pending status in a College of Education and Human Performance major. Students who successfully complete this minor can expect to increase their marketability in educational professions that serve English learners. This minor is designed to promote student success in Pre-K through 12 instructional settings but does not directly qualify students for teacher certification or admission into the College of Education and Human Performance.

Admission Requirements

- Minimum 2.5 overall GPA.
- Complete the University General Education Program requirements or the equivalent i.e., an AA degree from a Florida College System or State University System institution.

Minor Requirements

- Students should see an advisor prior to registering for classes. A grade of “C” (2.0) or better is required in each course used to satisfy the minor. At least 12 hours used in the minor must be earned at UCF.

Prerequisite Courses

- None

Required Courses (18 hrs)

- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs
- TSL 4943 L2 Academic Language Instruction 3 hrs
- TSL 4942 ESOL Field Experience 3 hrs
- TSL 4240 Issues in Second Language Acquisition 3 hrs
- TSL 4945 ESOL Clinical Experience 3 hrs

Select 1:

- TSL 4240 Issues in Second Language Acquisition 3 hrs
- TSL 4945 ESOL Clinical Experience 3 hrs

Restricted Electives

- None

Foreign Language Requirements

- None

Total Semester Hours Required

18

Other Requirements

- None
The World Languages Education - Languages Other Than English (LOTE) minor is intended for non-World Languages Education - Languages Other Than English (LOTE) majors. It is well suited for College of Education and Human Performance students majoring in another secondary content area. It is also intended to provide for university students outside the College of Education and Human Performance (such as students enrolled in Interdisciplinary Studies, International and Global Studies, or programs in the Department of Modern Languages and Literatures) a limited but substantial experience in the field of professional education. This minor is not available to students in pending status in a College of Education and Human Performance major. Students who successfully complete this minor can expect to increase their marketability in careers that include educational components such as instructing, training, and lecturing. This minor is designed to promote student success in instructional settings, particularly in the K-12 school setting, but does not directly qualify students for teacher certification or admission into the College of Education and Human Performance.

Minor Admission Requirements
- Minimum 2.5 overall GPA.
- Complete the University General Education Program requirements or the equivalent, i.e., an AA degree from a Florida College System or State University System institution.

Minor Requirements
- Students should see an advisor prior to registering for classes. Students must complete 18 hrs of language courses as co-requisites. A grade of “C” (2.0) or better is required in each course used to satisfy the minor. At least 12 hours used in the minor must be earned at UCF.

Prerequisite Courses
- None

Required Courses (18 hrs)
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- EDG 4467 Learning Theory and Assessment 3 hrs
- TSL 4080 Theory and Practice of Teaching ESL 3 hrs
- FLE 4333 Students in Schools 3 hrs
- FLE 4314 Foreign Language Teaching in the Secondary School 3 hrs
- TSL 4943 L2 Academic Language Instruction 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- None

The Minor in Writing and Rhetoric will provide students with the in-depth study and practice of writing and rhetoric. The curriculum emphasizes civic, professional, and digital writing.

Minor Admission Requirements

Transfer Notes
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. Students must provide all supporting information.
- Students cannot earn both the Minor in Writing and Rhetoric and the Certificate in Public and Professional Writing.

Prerequisite Courses
- None

Required Courses (3 hrs)
- Students should take this core course as early in the program as possible.
- ENC 3314 Writing and Rhetoric Foundations 3 hrs

Restricted Electives (15 hrs)
- Students must take at least one course from the following:
  - ENC 3315 Argumentative Writing 3 hrs
  - ENC 3330 Rhetorical Traditions 3 hrs
  - ENC 3373 Cultural Rhetorics 3 hrs
  - ENC 3417 Literacy and Technology 3 hrs
  - ENC 3503 Topics in Writing & Literacy Studies 3 hrs
  - ENC 3521 Writing Across Difference 3 hrs
  - ENC 4374 Gendered Rhetorics 3 hrs
  - ENC 4434 Visual and Material Rhetorics 3 hrs
  - ENC 4504 Contemporary Composition Theory 3 hrs

Applications of Writing and Rhetoric (6 hrs)
- Students must take at least two courses from the following two groups. Students can take one course from each group or two courses from one of the groups.
  - Civic and Cultural Rhetoric and Writing
    - ENC 3311 Essay as Cultural Commentary 3 hrs
    - ENC 3372 Topics in Civic Rhetoric and Writing 3 hrs
    - ENC 3375 Rhetoric in Popular Culture 3 hrs
    - ENC 4353 Writing for Social Change 3 hrs
    - ENC 4354 Writing with Communities and Nonprofits 3 hrs
    - ENC 4376 Writing in Global and Transnational Contexts 3 hrs
  - Professional and Digital Writing
    - ENC 3250 Professional Writing 3 hrs
    - ENC 3351 Writing for Publication 3 hrs
    - ENC 3417 Literacy and Technology 3 hrs
    - ENC 3433 Multimedia Writing and Composition 3 hrs
    - ENC 3453 Writing About Health and Medicine 3 hrs
    - ENC 3454 Topics in Professional and Digital Writing 3 hrs
    - ENC 3455 Writing about Science and Technology 3 hrs
    - ENC 3473 Writing in Disciplinary Cultures 1 hr
    - ENC 4212 Professional Editing 3 hrs
    - ENC 4416 Writing in Digital Environments 3 hrs
    - ENC 4275 Theory and Practice of Tutoring Writing 3 hrs
    - ENG 3833 Marketing Your Writing 3 hrs
    - LIN 3673 Rhetorical Grammar 3 hrs

http://writingandrhetoric.cah.ucf.edu/
Dr. Stephanie Vie, Program Director, Stephanie.Vie@ucf.edu, 407-823-1057
Adele Richardson, Program Advisor, adele@ucf.edu, 407-823-0349
Dr. Marcy Galbreath, Program Advisor, Marcy.Galbreath@ucf.edu, 407-823-0745
Minors

Additional Restricted Electives 6 hrs
- Students must take at least 6 hours from the following:
- Any 3000 or 4000 level ENC, LIN, or CRW course not used to satisfy another requirement of the minor.
- Any 3000 or 4000 level writing-intensive course approved by the program director. See program director or advisor for list of approved courses.

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- Students must earn a minimum 2.5 GPA in coursework used to satisfy the minor.
- A grade of “C+” (2.25) or better is required in each course used to satisfy the minor.
- At least 12 hours used to satisfy the minor must be taken from the Department of Writing and Rhetoric at UCF.
In recognition of the special needs of the older adults in Central Florida, the school offers a 15-credit interdisciplinary program open to all students in any major. This certificate prepares students for careers in applied gerontology, research, public service or for graduate training. Courses focus on the physiological, psychological, sociological, environmental, cultural, legal-ethical and public policy issues affecting older adults. Students majoring in health professions, biomedical sciences, criminal justice and legal studies, hospitality management, psychology, social work, nursing, sociology, business, exercise science, physical education, communication sciences and disorders or education find study of the aging process especially helpful.

Certificates will be awarded only at the time of degree completion.

### Certificate Admission Requirements
- None

### Certificate Requirements
- A required internship, along with course options that include service-learning activities, complements the web-based courses.
- Students select one of the internship courses listed below depending on their major. BSW majors must take the 9 credit hour field education course.

### Prerequisite Courses
- None

### Required Courses (6 hrs)
- GEY 3001 Gerontology: An Interdisciplinary Overview 3 hrs

### Required Internship: (Select one) 3 hrs
1. SOW 4510 Field Education 9 hrs
2. SOW 4941 Internship 9 hrs
HSA 4941 Internship 3 hrs
PSY 3951 Undergraduate Field Work 3 hrs
SYP 4941 Internship 3 hrs

1. Full-time social work majors ONLY. Cannot be used with SOW 4941.
2. Part-time social work majors over two semesters ONLY. Cannot be used with SOW 4510.

### Restricted Electives (9 hrs)
- Students select three additional courses from the following courses: A maximum of two courses must be taken in the College of Health and Public Affairs and at least one course must be taken from other colleges.

### College of Health and Public Affairs 6 hrs
- HSA 4220 Long Term Patient Management 3 hrs
- HSA 3222 Long Term Care and Administration 3 hrs
- HSC 4564 Health Care Needs of the Elderly 3 hrs
- PLA 4530 Legal Issues of the Elderly 3 hrs
- SOW 4645 Social Services for the Elderly 3 hrs
- NUR 4286 Gerontologic Nursing 3 hrs
- SOW 3740 Social Work Practice with Loss & Life’s Transitions 3 hrs

### Other Colleges 3 hrs
- DEP 4364 Psychology of Aging 3 hrs
- SYP 4730 Patterns of Aging in Society 3 hrs
- GEY 5007 Women and Healthy Aging 3 hrs
- SYP 4732 Minority Aging 3 hrs

### Foreign Language Requirements
- None

### Total Semester Hours Required
- 15

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### Anthropology of Global Health - Certificate

#### College of Sciences

#### Department of Anthropology

[http://www.cos.ucf.edu/anthropology](http://www.cos.ucf.edu/anthropology)

#### Email: anthro@ucf.edu

Dr. Joanna Mishtal

Phone: 407-823-2227

The Anthropology of Global Health Certificate offers students the opportunity to pursue the rapidly growing field of global health from an anthropological perspective, which examines global health problems by situating them in local contexts. Global health issues such as refugee health, global mental health, and emergent “superbugs” (e.g., Ebola), are of increasing concern and interest. Health is also the focus of the work of numerous public, private, non-governmental and non-profit organizations in the U.S. and abroad. This Certificate allows UCF students in any major interested in health to pursue this educational focus.

#### Admission Requirements
- None

#### Certificate Requirements
- A minimum overall 2.0 GPA is required in courses used to satisfy requirement.
- At least 12 hours used toward the certificate must be earned at UCF.
- Anthropology majors may apply only two Anthropology courses from the Certificate program curriculum toward the required Anthropology Major courses.

#### Prerequisite Courses
- None

#### Required Courses (6 hrs)
- Students must satisfy the prerequisites, if any, for each course before enrolling in the class.
- ANT 4480 Global Health in Anthropological Perspective 3 hrs

#### Choose one of the following:
- ANT 4408 Culture, Disease, and Healing or 3 hrs
- INR 2002 International Relations-Theory and Practice 3 hrs

#### Restricted Electives (9 hrs)
- Students select 3 additional courses from the following list:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 3013</td>
<td>Medical Anthropology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3701</td>
<td>Engagement &amp; Social Change: Public</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4013</td>
<td>Anthropology of Fast Food</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4702</td>
<td>Culture, Inequality and Global Development</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4462</td>
<td>Medical Anthropology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COM 3550</td>
<td>Health Communication Campaigns</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CPO 364</td>
<td>Politics of Developing Areas</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CPO 3101</td>
<td>Comparative Politics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 3453</td>
<td>Writing About Health and Medicine</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 4378</td>
<td>Writing in Global and Transnational</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEO 3471</td>
<td>World Political Geography</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSA 3012</td>
<td>Issues &amp; Trends in Public Health</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSC 4562</td>
<td>Health Law and Ethics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSC 4201</td>
<td>Community Health</td>
<td>3 hrs</td>
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<tr>
<td>INR 4008</td>
<td>Global Perspectives</td>
<td>3 hrs</td>
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<tr>
<td>INR 4016</td>
<td>Global Political Issues</td>
<td>3 hrs</td>
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<tr>
<td>INR 4035</td>
<td>International Political Economy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4076</td>
<td>Global Drug Policy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4350</td>
<td>Global Environmental Politics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
Certificates

INR 4075 Human Rights Policy 3 hrs
INR 4011 Politics of Globalization 3 hrs
INR 4085 Women, Gender, and Globalization 3 hrs
MCB 4276 Epidemiology of Infectious Diseases 3 hrs
PAF 4754 Interdisciplinary Leadership in Public Affairs 3 hrs
PUP 4602 Politics of Health 3 hrs
SYP 4454 Global Inequality and Society 3 hrs
SYO 4400 Medical Sociology 3 hrs
SYO 4401 Social Determinants of Health 3 hrs
SYO 4132 Global Family Trends 3 hrs
WST 3020 Girls’ Studies 3 hrs
WST 4415 Global and Transnational Feminism 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Relevant Internship, Research, or Independent Study credit can be used to replace one elective course only with prior approval from the certificate advisor.
- One substitution for an Elective Course with another relevant course will only be allowed with prior approval from the certificate advisor.

Behavioral Forensics - Certificate

College of Sciences
Department of Psychology,
Psychology Building, Room: 301
http://psychology.cos.ucf.edu
Email: kmottare@ucf.edu
Dr. Karen Mottarella
Phone: 321-433-7982

This certificate must be completed along with a Bachelor’s degree program of study. Certificates will be awarded only at the time of degree completion. The Behavioral Forensics Certificate is an interdisciplinary course of study that focuses on ways society attempts to recognize and deal with various forms of criminal behavior. The certificate exposes students to the practice of psychology within the legal system, including topics such as confidentiality, competency, and insanity. Students should view this certificate only as a way to shape and organize their coursework in this particular area of study; the certificate shows potential graduate schools and employers that students have been exposed to behavioral forensics.

Certificate Admission Requirements
- None

Certificate Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the certificate.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 12 hours used in the certificate must be earned at UCF.

Prerequisite Courses (12 hrs)
- Most courses for this certificate will have prerequisites completed as a part of a student’s GEP requirement; as general electives, or a student can enroll into courses with consent of instructor.

Take all of the following: 6 hrs
- Complete both:
  - PSY 2012 General Psychology and 3 hrs
  - SYO 2000 Introduction to Sociology 3 hrs

Take all of the following: 6 hrs
- Complete both classes:
  - PPE 3003 Personality Theory and Research and 3 hrs
  - SYP 3510 Sociology of Deviant Behavior 3 hrs

Required Courses (9 hrs)
- CLP 4390 Forensic Psychology 3 hrs
- SOP 3751 Legal Aspects of Psychology 3 hrs
- SYP 3520 Criminology 3 hrs

Restricted Electives (12 hrs)
- Note: It is the student’s responsibility to meet all prerequisites for every course selected

Psychology: Select from the following: 3 hrs
- CLP 3143 Abnormal Psychology 3 hrs
- CLP 3302 Clinical Psychology 3 hrs
- CLP 4134 Childhood Psychopathology 3 hrs
- PCO 4020 Interviewing and Counseling 3 hrs

Sociology: Select from the following: 6 hrs
- SYP 3511 Sociology of Murder 3 hrs
- SYP 3530 Juvenile Delinquency 3 hrs
- SYP 3540 Sociology of Law 3 hrs
- SYP 3562 Patterns of Domestic Violence in Society 3 hrs
- SYP 4514 Patterns of Violence in Society 3 hrs
- SYP 4521 Crime Victims in Society 3 hrs
- SYP 4536 Gangs and Society 3 hrs

Criminal Justice: Select from the following: 3 hrs
- CJE 4012 Criminal Profiling in Criminal Justice 3 hrs
- CJE 4530 Serial Murder and Criminal Justice 3 hrs
- CCJ 3014 Crime in America 3 hrs
- CCJ 3024 Criminal Justice System 3 hrs
- CCJ 3667 Victims and the CJ System 3 hrs
- CCJ 4670 Women and Crime 3 hrs
- CCJ 4681 Domestic Violence and the Justice System 3 hrs
- CCJ 4690 Sex Offenders and the Criminal Justice System 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 33

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the certificate without prior consent.
- Lower division courses do not substitute for upper division courses.

Children’s Services - Certificate

College of Health and Public Affairs
School of Social Work,
Health and Public Affairs I, Room: 204
Email: socialwk@ucf.edu
BSW Coordinator
Phone: 407-823-2114

This certificate is awarded only to students in the undergraduate social work program. The Children’s Services Certificate is designed to help students learn about practice considerations in providing services to children and families. Students are prepared to identify a variety of problems such as child abuse, neglect, childhood trauma, and family dynamics essential for identifying service delivery to this population. The certificate includes both classroom academic work and a specialized field internship. This certificate assists in improving services to children and their families. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
- Must be a BSW major.

Certificate Requirements
- Placement in an agency that serves children.
- Students need to discuss their interest in the certificate with the field office when BSW placements are being arranged.

Prerequisite Courses
- None
### Certificates

#### Civic Teaching - Certificate
**College of Sciences**
**College of Education and Human Performance**
**Department of Political Science**

- **School of Teaching, Learning, and Leadership**
  - [http://politicalscience.cos.ucf.edu/](http://politicalscience.cos.ucf.edu/)
  - [http://education.ucf.edu](http://education.ucf.edu/)

- **Email:** politics@ucf.edu
- **Email:** socsci@ucf.edu

**Dr. Terri Susan Fine**
**Dr. Scott Waring**

The Civic Teaching certificate will provide pre-service teachers with complementary, civic teaching-focused coursework that will build on and enhance the Social Science Education B.S. program. Individuals enrolled in the Civics Teaching certificate program will learn the substantive content, skills and pedagogical tools needed to deliver instruction explicitly linked to the 7th grade Civics End of Course Assessment in Florida. Certificate will be awarded only at the time of degree completion.

**Admission Requirements**
- 3.0 overall GPA
- Social Science Education B.S. major (pending or admitted)
- Completion of POS 2041 with a grade of “C” (2.0) or better
- Admission by application which will include a letter of intent and a current transcript
- Applications must be submitted through the online portal available at politicalscience.cos.ucf.edu/, education.ucf.edu/ stll/ and loufreyinstitute.org
- Junior or senior standing

**Certificate Requirements**
- A minimum overall 3.0 GPA is required in all courses used to satisfy requirements.
- All 12 credit hours used towards the certificate must be earned at UCF.

**Prerequisite Courses**
- None

**Required Courses**
- **(12 hrs)**
  - POS 4700  Teaching American Politics and Government  3 hrs
  - POS 3272  Civic Engagement  3 hrs
  - POS 4941  Political Science Internship  3 hrs
  - SSE 4323  Teaching Civics in Florida  3 hrs

**Restricted Electives**
- None

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- **12**

**Other Requirements**
- No credit by exam (TSD, Military credit) may be used.

### Crime Analysis and Crime Mapping - Certificate
**College of Health and Public Affairs**
**Department of Criminal Justice,**
**Health and Public Affairs I, Room: 311**

- **Email:** cjadvise@ucf.edu

**R. Cory Watkins,** 407-823-2603

Crime analysis and crime mapping are now recognized as essential and vital functions in law enforcement. Analysts take advantage of state-of-the-art computer technologies to support operations, investigations, and management. These specialists take data and produce information that is used to identify crime patterns, monitor crime trends, forecast future crime events, prepare statistical crime reports, and work directly with investigators to identify suspects.

Five courses (15 credit hours) are required for this undergraduate certificate. Certificates will be awarded only at the time of degree completion.

**Certificate Admission Requirements**
- None

**Certificate Requirements**
- Students are required to take courses as specified below and to declare the Certificate.

**Prerequisite Courses**
- There are no certificate program prerequisites; however individual courses may have prerequisites.

**Required Courses**
- **(9 hrs)**
  - CJE 3662  CJ Information Technology and Data Management  3 hrs
  - CJE 4663  Crime Mapping and Pattern Analysis  3 hrs
  - CCJ 4076  Crime Intelligence and Investigative Support Analysis  3 hrs

**Restricted Electives**
- **(6 hrs)**
  - Select two of the following:
    - CCJ 3451  Justice System Technology  3 hrs
    - CJE 3444  Crime Prevention  3 hrs
    - CJE 4654  Crime and Place  3 hrs
    - CCJ 4550  The Criminal Justice Manager  3 hrs
    - CJE 4352  Policy Development in Law Enforcement  3 hrs
    - CJE 4572  Justice Agency Operations  3 hrs

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- **15**

**Other Requirements**
- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit may not be used toward the program.
Certificates

Crime Scene Investigation - Certificate

College of Health and Public Affairs

College of Sciences

Department of Criminal Justice,
Health and Public Affairs I, Room: 311

Department of Anthropology, Phillips Hall, Room: 403

Dr. John Schultz, jschultz@ucf.edu, 407-823-2618
Dr. Mark Winton, cjadvise@ucf.edu, 407-823-2603

Crime scene processing is increasingly becoming a multi-disciplinary endeavor with the application of technologically advanced methods. Treatment of the initial crime scene is fundamental not only to the pursuit of offenders but also to the presentation of the prosecutor's case once offenders have been apprehended. The certificate program is a means of organizing information required to perform basic crime scene investigations. It provides theoretical and practical information used to assess crime scenes, the technology available and the procedures to employ in order to produce a forensically valuable product. The program requires 15 credit hours of undergraduate work. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements

■ None

Certificate Requirements

■ A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
■ At least 12 hours used in the program must be earned at UCF.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship or Independent Study credit may not be used toward the program.

Prerequisite Courses

■ Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (12 hrs)

■ Note: some courses have limited offerings, and should be taken when available.
■ At least 12 hours used in the program must be earned at UCF.

ANT 4193 Archaeological Sciences 3 hrs
ANT 4521 Forensic Anthropology 3 hrs
CJE 4012 Criminal Profiling in Criminal Justice 3 hrs
CJE 4610 Criminal Investigation 3 hrs

Restricted Electives (3 hrs)

■ Select from the following courses:

ANT 4115C Archaeological Method and Theory 3 hrs
CCJ 4195 Interviews & Interrogations in CJ 3 hrs
CHS 3501 Introduction to Forensic Science 3 hrs
CJE 4630 Serial Murder and Criminal Justice 3 hrs
SYP 3511 Sociology of Murder 3 hrs

Foreign Language Requirements

■ None

Total Semester Hours Required

■ 15

Other Requirements

■ A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
■ At least 12 hours used in the certificate must be earned at UCF within the department.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship or Independent Study credit cannot be used toward the certificate.

Cultural Tourism - Certificate

College of Undergraduate Studies

Office of Interdisciplinary Studies,
Classroom I, Room: 302

http://www.is.ucf.edu
Email: is@ucf.edu
Phone: 407-823-0144

This certificate harnesses the naturally related fields of tourism to cultural studies, focusing on the specific cultural and business conditions in Central Florida as well as tourism. The certificate complements several fields, including Hospitality Management, African American Studies, History, Anthropology, and Political Science. The cultural theme can be fulfilled by specialized areas in African American Heritage, Anthropology, Environmental Tourism, or Latin American.

Certificate Admission Requirements

■ None

Certificate Requirements

■ None

Prerequisite Courses

■ None

Required Courses (12 hrs)

HFT 3540 Guest Services Management I 3 hrs
HFT 3700 Tourism Management 3 hrs
HFT 4735 Tourism Geography 3 hrs
ANT 4303 Anthropology of Tourism 3 hrs

Restricted Electives (6 hrs)

■ Choose two classes from one of the following areas:
Certificates

African American Heritage area (choose two classes)
- AFA 3104 The Black Intellectual Experience 3 hrs
- AFA 4105 Documenting Africana Heritage and Life 3 hrs
- SYD 3700 Race and Ethnicity 3 hrs

Anthropology area (choose two classes)
- ANT 2140 Archaeology and the Rise of Human Culture 3 hrs
- ANT 3212 Peoples of the World 3 hrs
- ANT 2410 Cultural Anthropology: Global Perspectives, Local Contexts 3 hrs
- ANT 4115C Archaeological Method and Theory 3 hrs
- ANT 3701 Engagement & Social Change: Public Anthropology 3 hrs

Environmental Tourism area (choose two classes)
- BOT 3152C Local Flora 3 hrs
- PCB 3442 Aquatic Ecology 3 hrs
- INR 4351 International Environmental Law 3 hrs
- PUP 3203 Environmental Politics 3 hrs
- PUP 3204 Sustainability 3 hrs
- SYD 4510 Environment and Society 3 hrs

Latin American area (choose two classes)
- ANT 3163 Mesoamerican Archaeology 3 hrs
- ANT 3168 Maya Archaeology 3 hrs
- ANT 4332 People and Cultures of Latin America 3 hrs
- ANT 4340 Caribbean Cultures 3 hrs
- ARH 4653 Meso American Art 3 hrs
- CPO 4303 Comparative Latin American Politics 3 hrs
- LAH 3400 History of Mexico and Central America 3 hrs
- LAH 3470 History of the Caribbean 3 hrs
- LAH 3130 Latin American History I 3 hrs
- LAH 3200 Modern Latin America 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A grade of "C" or above (2.0) is required in each course used to satisfy the certificate.
- At least 12 hours used in the certificate must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Independent Study or Co-op credit cannot be used toward the certificate without prior permission of the program director

Cyber Operations - Certificate
College of Engineering and Computer Science
Department of Computer Science
Dr. Thomas Nedorost, nedorost@eecs.ucf.edu

This certificate distinguishes those students with special training in cyber operations. Recommended for students majoring in Computer Science, Information Technology, and Computer Engineering seeking additional academic content in cyber security.

Admission Requirements
- None

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (36 hrs)
- COP 3233C Introduction to Programming with C or 3 hrs
- EGN 3211 Engineering Analysis and Computation 3 hrs

Select 1:
- COP 3100C Introduction to Discrete Structures or 3 hrs
- MAD 2104 Foundations of Discrete Math 3 hrs

Select 1:
- COP 4600 Operating Systems or 3 hrs
- GCS 3763 Operating System Concepts 3 hrs

Select 1:
- CNT 4704 Analysis of Computer Communication Networks or 3 hrs
- EEL 4781 Computer Communication Networks 3 hrs

Select 1:
- PLA 4583 Cyber Law I or 3 hrs
- PLA 5587 Current Issues in Cyberlaw 3 hrs

Select one of the following sequences of courses:
- CDA 3103C Computer Logic and Organization and 3 hrs
- EEL 4768 Computer Architecture 3 hrs
  or
- EEL 3801C Computer Organization and 3 hrs
- EEL 4768 Computer Architecture 3 hrs
  or
- CDA 3103C Computer Organization and 3 hrs
- EEL 4783 Hardware Description Languages in Digital Systems Design 3 hrs
  or
- CDA 3103C Computer Logic and Organization and 3 hrs
- EEL 5722C Field-Programmable Gate Array (FPGA) Design 3 hrs

Restricted Electives (9 hrs)
- CAP 3104 Foundations of HCI 3 hrs
- CIS 4524 Managing IT Integration 3 hrs
- CNT 4714 Enterprise Computing 3 hrs
- COP 3402 Systems Software 3 hrs
- GCS 5131 Computer Forensics I: Seizure and Examination of Computer Systems 3 hrs
- EEE 4346C Hardware Security and Trusted Circuit Design 3 hrs
- EEL 4742C Embedded Systems Design 4 hrs
- EEL 4783 Hardware Description Languages in Digital Systems Design 3 hrs
- EEL 5722C Field-Programmable Gate Array (FPGA) Design 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 45

Other Requirements
- A grade of "C" (2.0) or better is required in each course toward this certificate.
- A student may not earn both the Cyber Operations Certificate and the Secure Computing and Networks Minor.
- Total hours required may vary based on courses selected to meet requirements.

Diplomacy - Certificate
College of Sciences
College of Arts and Humanities
Department of Political Science,
Howard Phillips Hall, Room: 302
Department of History, Colbourn Hall, Room: 551
http://politicalscience.cos.ucf.edu/
Dr. R. Handberg, Roger.Handberg@ucf.edu, 407-823-2608
Dr. J. Sacher, John.Sacher@ucf.edu, 407-823-5501

In an increasingly shrinking, interdependent world, an understanding of diplomacy and diplomatic processes is critical for work in global business, international organizations and government. Students who complete this certificate program will have gained experience in diplomatic history, concepts, theories, methods, protocol and practice. For degree-seeking students, certificates will be awarded only at the time of degree completion.
Certificates

Certificate Admission Requirements
■ None

Certificate Requirements
■ A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
■ At least 12 hours used in the certificate must be earned at UCF within the participating departments.

Prerequisite Courses
■ Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (9 hrs)
- AMH 4513 United States as a Great Power: 1914-1945 or 3 hrs
- EUH 4620 European Great Powers: 1815-1914 or 3 hrs
- INR 4054 Global Politics of Energy or 3 hrs
- INR 4074 Immigration Policy or 3 hrs
- INR 4075 Human Rights Policy or 3 hrs
- INR 4076 Global Drug Policy or 3 hrs
- INR 4104 Topics and Cases in American Foreign Policy or 3 hrs
- INR 4114 American Security Policy or 3 hrs
- INR 4351 International Environmental Law or 3 hrs
- INR 4401 International Law or 3 hrs
- INR 4410 International Organizations or 3 hrs
- INR 4714 Politics of International Trade Policy or 3 hrs

Restricted Electives (6 hrs)
Select two courses from the following list: 6 hrs
- AMH 4512 US Diplomatic History: 1914-1945 or 3 hrs
- EUH 4620 European Great Powers: 1815-1914 or 3 hrs
- INR 4054 Global Politics of Energy or 3 hrs
- INR 4074 Immigration Policy or 3 hrs
- INR 4075 Human Rights Policy or 3 hrs
- INR 4076 Global Drug Policy or 3 hrs
- INR 4104 Topics and Cases in American Foreign Policy or 3 hrs
- INR 4114 American Security Policy or 3 hrs
- INR 4351 International Environmental Law or 3 hrs
- INR 4401 International Law or 3 hrs
- INR 4410 International Organizations or 3 hrs
- INR 4714 Politics of International Trade Policy or 3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 15

Other Requirements
■ No credit by exam (TSD, Military credit) may be used.
■ Internships, independent study and substitute courses/new courses are allowed at the director’s discretion.

Entrepreneurship - Certificate
College of Business Administration
Department of Management,
Business Administration I, Room: 309
Open to Business and Non-Business Students
http://www.cel.ucf.edu
Phone: 407-823-5569
Email: Dr. Cameron Ford, cford@ucf.edu

Entrepreneurial thinking skills that help individuals recognize opportunities, create solutions, and implement plans are essential to professional success and long-term career security. This certificate introduces students to models, methods, and skills associated with developing successful startups and new social, corporate, and government ventures. The certificate is open to students from all majors who want to learn how to turn their ideas into viable startups and new ventures.

Admission Requirements
■ None

Certificate Requirements
■ None

Prerequisite Courses
■ None

Required Courses (6 hrs)
1 ENT 4013 New Venture Design 3 hrs
1 ENT 4014 New Venture Implementation 3 hrs

1 Students admitted to the Launching the Venture program (details available at www.cel.ucf.edu) may substitute ENT 4948 Launching the Venture I and ENT 4949 Launching the Venture II for these required courses.

Restricted Electives (6 hrs)
Select 2: 6 hrs
- ENT 3613 Social Entrepreneurship 3 hrs
- ENT 4183 Technological Entrepreneurship 3 hrs
- ENT 4412 Managing Small Business Finances 3 hrs
- ENT 4503 Social Entrepreneurship 3 hrs
- ENT 4948 Launching the Venture I 3 hrs
- ENT 4949 Launching the Venture II 3 hrs
- ENT 4950 Launching the Venture III 3 hrs
- ENT 4951 Launching the Venture IV 3 hrs
- ENT 4967 Directed Independent Study 3 hrs
- ENT 4968 Entrepreneurial Internship 3 hrs
- MAR 3407 Contemporary Selling 3 hrs
- MAR 3765 Entrepreneurial Marketing 3 hrs

1 Requires completion of the College of Business Common Program Prerequisites and Primary Core as prerequisites. Therefore, these courses are not available to non-business majors.
2 Students must apply for the Launching the Venture program in late spring and be admitted before being permitted to register for Launching the Venture I (fall) and Launching the Venture II (spring). Details for this program are available at http://www.cel.ucf.edu.
Finance: Banking - Certificate
Department of Finance,
Business Administration I, Room: 409
http://web.bus.ucf.edu/academics/finance/

Restricted to finance majors. These certificates do not require additional hours beyond the finance major program. They are intended to allow students to develop specializations in areas of interest. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
- None

Certificate Requirements
- No course grade lower than a C will be accepted for the certificate requirements, and the average GPA for the four courses must be 3.0 or higher.
- An internship must be a paid internship with a financial services firm, and must be approved by the Department of Finance Internship coordinator.

Prerequisite Courses
- None

Required Courses (12 hrs)
- FIN 4533 Financial Derivatives 3 hrs
- FIN 4514 Portfolio Analysis and Management 3 hrs
- FIN 4504 Equity and Capital Markets 3 hrs
- FIN 4533 Financial Derivatives 3 hrs
- FIN 4941 Finance Internship 3 hrs

Restricted Electives
- None

Finance: Corporate Finance - Certificate
College of Business Administration
Department of Finance,
Business Administration I, Room: 409
http://web.bus.ucf.edu/academics/finance/

*Restricted to finance majors. These certificates do not require additional hours beyond the finance major program. They are intended to allow students to develop specializations in areas of interest. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
- None

Certificate Requirements
- No course grade lower than a C will be accepted for the certificate requirements, and the average GPA for the four courses must be 3.0 or higher.
- An internship must be a paid internship with a financial services firm, and must be approved by the Department of Finance Internship coordinator.

Prerequisite Courses
- None

Required Courses (12 hrs)
- ACG 3131 Intermediate Financial Accounting I 3 hrs
- FIN 3414 Intermediate Corporate Finance 3 hrs
- FIN 4941 Finance Internship 3 hrs
- ACG 3141 Intermediate Financial Accounting II 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None
Certificates

Gender Studies - Certificate
College of Arts and Humanities
Program in Women’s and Gender Studies,
Colbourn Hall, Room: 118
http://wgst.cah.ucf.edu/
Email: womenst@ucf.edu
Dr. M.C. Santana
Phone: 407-823-6502

The certificate program in Gender Studies is designed to provide students with a foundation for discussions of gender, sexuality, and other intersectionalities through a historical and cultural lens, with an awareness of the fluidity of gendered identities and the diversity of gendered experiences.

Certificate Admission Requirements
■ None
Certificate Requirements
■ Students cannot earn the Gender Studies certificate and the Women’s and Gender Studies minor.
Prerequisite Courses
■ None

Required Courses (3 hrs)
WST 3603 Introduction to Gender Studies 3 hrs

Restricted Electives (9 hrs)
■ Students can select from the restricted electives listed for a total of 9 hours.
WST 3621 Theories of Masculinity 3 hrs
WST 3500 Gender Issues and Community Activism 3 hrs
WST 4002 Research in Women and Gender Studies 3 hrs
HUM 4823 Queer Theory in the Humanities 3 hrs
HUM 3326 Theories of Sex and Gender in Humanities 3 hrs
ENC 4374 Gendered Rhetorics 3 hrs
THE 3272 What a Drag: The Art of Transgender in Entertainment 3 hrs
COM 4014 Gender Issues in Communication 3 hrs
ANT 3302 Sex, Gender and Culture 3 hrs
SYD 3800 Sex and Gender in Society 3 hrs
WST 4941 Internship 3 hrs
PHM 3022 Sexuality, Gender & Philosophy 3 hrs
■ Internship required by a student’s major degree program may count for credit toward the certificate, if placement is substantively related to women and/or women’s issues.
Foreign Language Requirements
■ None

Total Semester Hours Required
■ 12

Health Communication - Certificate
College of Sciences
Nicholson School of Communication
Email: nassc@ucf.edu
Phone: 407-823-2681

The certificate in health communication has a dual focus: 1) it is designed to provide students in health-related fields training in facilitating health communication processes; 2) it allows communication students to demonstrate that they have conceptual and applied knowledge about the role of communication in health care.

Admission Requirements
■ None
Certificate Requirements
■ Certificates will be awarded only at the time of degree completion.
Prerequisite Courses
■ Most courses for this certificate will have prerequisites completed as a part of a student’s GEP requirement, as general electives, or a student can enroll into courses with consent of instructor. Exceptions are identified below.

Required Courses (12 hrs)
COM 3022 Health Communication 3 hrs
COM 4550 Health Communication Campaigns 3 hrs
MMC 2004 Mass Media 3 hrs
PUR 4000 Public Relations 3 hrs

Restricted Electives (3 hrs)
Choose from the following: 3 hrs
ANT 4462 Cultural Disease, and Healing 3 hrs
ANT 4608 Medical Anthropology 3 hrs
COM 3120 Organizational Communication 3 hrs
COM 3330 Computer Mediated Communication 3 hrs
HSA 3012 Issues & Trends in Public Health 3 hrs
HSA 3111 U.S. Health Care Systems 3 hrs
HSC 4201 Community Health 3 hrs
RTV 4403 Electronic Media, Technology, and Society 3 hrs
SPC 4540 Persuasion and Communication 3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 15

Other Requirements
■ No more than three credit hours from the Health Communication Certificate may be used to satisfy internal restricted electives of the Human Communication (formerly Interpersonal-Organizational) major.
■ Communication majors must take their elective outside of the school of communication.

Human Biology - Certificate
College of Sciences
Department of Anthropology
http://cos.ucf.edu/anthropology
Department of Biology
http://cos.ucf.edu/biology
Dr. John Schultz, John Schultz@ucf.edu

The Human Biology certificate blends biological anthropology with a foundation in anatomy and the biological sciences. The minor is especially appropriate for anthropology, biology, and biomedical sciences students seeking an enhanced and interdisciplinary foundation in human biology.

Certificates will be awarded only at the time of degree completion.

Admission Requirements
■ None

Minimum overall 2.0 GPA is required in courses used to satisfy the requirement.
■ At least 12 hours used toward the certificate must be earned at UCF within the participating departments.
■ Students must select and meet with a certificate advisor in either the Anthropology or Biology department.

Certificate Requirements
■ None
The Human Biology Certificate is designed for students majoring in any field who are interested in careers in intelligence and national security, and allows for students to specialize in one or more different areas that are appropriate for a career in these fields. This certificate will be helpful for students majoring in any field who are interested in careers in intelligence and national security, and particularly for students in Political Science, International and Global Studies, and Criminal Justice.

**Admission Requirements**
- None

**Certificate Requirements**
- A grade of “C” (2.0) or better for all classes is required in courses counting towards the certificate.
- At least 9 hours used in the certificate must be taken at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internships, independent study and substitute courses/new courses are allowed at the director’s discretion (for a maximum of 3 credit hours).

**Prerequisite Courses**
- Students must satisfy each course's prerequisites before enrolling in the class.

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>(7 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2511 The Human Species 3 hrs</td>
<td></td>
</tr>
<tr>
<td>BSC 2010C Biology I 4 hrs</td>
<td></td>
</tr>
</tbody>
</table>

**Restricted Electives**
- Anthropology majors must select four courses from Restricted Electives Group A.
- Biology majors must select courses from Restricted Electives Group B.
- Biomedical Sciences majors must select courses from Restricted Electives Group C.

**Restricted Electives Group A**
- Anthropology Majors select four courses from the list below:
  - BSC 2011C Biology I 4 hrs
  - PCB 3044 Principles of Ecology 3 hrs
  - PCB 3063 Genetics 3 hrs
  - PCB 3703C Human Physiology 4 hrs
  - ZOO 3701C Human Gross Anatomy & Dissection 3 hrs
  - ZOO 3733C Human Anatomy 4 hrs
  - ZOO 3713C Comparative Vertebrate Anatomy 5 hrs
  - PCB 4683 Evolutionary Biology 4 hrs
  - ZOO 4513 Animal Behavior 3 hrs

**Restricted Electives Group B**
- Biology Majors select four courses from the list below:
  - ANT 4115C Archaeological Method and Theory 3 hrs
  - ANT 3541 Biobehavioral Anthropology 3 hrs
  - ANT 3550C Primatology 3 hrs
  - ANT 4027 Mummies, Life After Death 3 hrs
  - ANT 4462 Medical Anthropology 3 hrs
  - ANT 4467 Nutritional Anthropology 3 hrs
  - ANT 4516 Human Biological Diversity 3 hrs
  - ANT 4521 Forensic Anthropology 3 hrs
  - ANT 4525C Human Osteology 4 hrs
  - ANT 4586C Human Origins 3 hrs

**Restricted Electives Group C**
- Biomedical Sciences Majors select four courses from the list below:
  - ANT 3541 Biobehavioral Anthropology 3 hrs
  - ANT 3550C Primatology 3 hrs
  - ANT 4027 Mummies, Life After Death 3 hrs
  - ANT 4462 Medical Anthropology 3 hrs
  - ANT 4467 Nutritional Anthropology 3 hrs
  - ANT 4516 Human Biological Diversity 3 hrs
  - ANT 4521 Forensic Anthropology 3 hrs
  - ANT 4525C Human Osteology 4 hrs
  - ANT 4586C Human Origins 3 hrs
  - PCB 4683 Evolutionary Biology 4 hrs
  - ZOO 4513 Animal Behavior 3 hrs
  - ZOO 3713C Comparative Vertebrate Anatomy 5 hrs

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 19

**Other Requirements**
- No credit by exam (TSD, Military credit) may be used.
- Internship, research, or Independent Study credit can be used to replace one restricted elective course with approval from a certificate advisor.
- Majors other than Anthropology, Biology, or Biomedical Sciences may earn The Human Biology Certificate but must select courses with a certificate advisor.
- One course substitution for the Human Biology Certificate will only be allowed with prior approval from a certificate advisor.

**Intelligence and National Security - Certificate**
**College of Sciences**

**Department of Political Science,**
**Howard Phillips Hall, Room: 302**

[http://www.cos.ucf.edu/politicalscience](http://www.cos.ucf.edu/politicalscience)

Dr. Mark Schafer, politics@mail.ucf.edu, 407-823-3328

This certificate introduces students to the fundamentals of intelligence and national security, and allows for students to specialize in one or more different areas that are appropriate for a career in these fields. This certificate will be helpful for students majoring in any field who are interested in careers in intelligence and national security, and particularly for students in Political Science, International and Global Studies, and Criminal Justice.

**Foreign Language Requirements**
- None
Certificates

Total Semester Hours Required
- 12

Other Requirements
- None

Judaic Studies - Certificate
College of Arts and Humanities
Program in Judaic Studies, Colbourn Hall, Room: 415 E-J
http://www.judaicstudies.cah.ucf.edu
Email: judaicst@ucf.edu
TBD, 407-823-5039

The Interdisciplinary Program in Judaic Studies offers both a minor and a certificate. The Program cooperates with the departments of Anthropology, English, Modern Languages, History, Philosophy, Political Science, and Sociology, and the Interdisciplinary Studies, Women's Studies, Religious Studies, and Middle Eastern Studies programs. The certificate in Judaic Studies will be awarded to students completing 15 hours in the following Judaic Studies courses. For minor requirements, refer to the section on Judaic Studies Minor.

Certificate Admission Requirements
- None

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (15 hrs)

<table>
<thead>
<tr>
<th>Language</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>HBR 1120</td>
<td>Elementary Modern Hebrew Language and Culture I</td>
<td>4 hrs</td>
</tr>
<tr>
<td></td>
<td>HBR 1121</td>
<td>Elementary Modern Hebrew Language and Culture II</td>
<td>4 hrs</td>
</tr>
<tr>
<td></td>
<td>HBR 2200</td>
<td>Intermediate Modern Hebrew I</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>HBR 2201</td>
<td>Intermediate Modern Hebrew II</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>HBR 3250</td>
<td>Biblical Hebrew</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>HBR 3410</td>
<td>Conversational Israeli Hebrew</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Jewish History</td>
<td>JST 3401</td>
<td>Jewish People in Antiquity</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>JST 3402</td>
<td>Wanderings: The Jewish People in Dispersion</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>JST 3481</td>
<td>20th Century Jewish History and Thought</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>JST 3701</td>
<td>History of the Holocaust</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>JST 3415</td>
<td>American Jewish History</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>JST 3417</td>
<td>Sephardi Jews: History, Culture, and Folklore</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Bible</td>
<td>JST 3120</td>
<td>Hebrew Scriptures</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>JST 3125</td>
<td>The Book of Job</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>JST 3126</td>
<td>Romantic Love in the Bible</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>JST 3144</td>
<td>Dead Sea Scrolls</td>
<td>3 hrs</td>
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<tr>
<td></td>
<td>JST 3190</td>
<td>The Biblical Prophets</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>JST 3424</td>
<td>Biblical Archaeology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Literature</td>
<td>JST 3100</td>
<td>The Hebrew Bible as Literature</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>JST 3312</td>
<td>Identity and Genre</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>JST 3751</td>
<td>Literature of the Holocaust</td>
<td>3 hrs</td>
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<tr>
<td></td>
<td>JST 3803</td>
<td>The Israeli Experience in Short Stories</td>
<td>3 hrs</td>
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<tr>
<td>Jewish Civilization</td>
<td>JST 3005</td>
<td>Tenets of Judaism</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>JST 3121</td>
<td>Classic Texts of Judaism</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>JST 3210</td>
<td>Kabbalah: Jewish Mysticism</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>JST 3620</td>
<td>Contemporary Jewish Ethics and Morality</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Culture</td>
<td>JST 3460</td>
<td>Modern Jewish Experience</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>JST 3810</td>
<td>The Jewish National Movement and Roots of Zionism</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>JST 3820</td>
<td>Modern Israeli Culture</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

JST 3551 The Holy and the Profane: The Introduction of Secularism into Modern Judaism 3 hrs
JST 3550 Introduction of Modernism into Judaism 3 hrs
JST 3821 Israel: Start-Up Nation 3 hrs

Other courses, including special topics, with the approval of the Director

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- A grade of “C” (2.0) or better is required in all courses used to satisfy the certificate.
- At least 12 hours used in the certificate must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the certificate.
- Hebrew qualifies for Foreign Language requirement.

Language Development and Disorders - Certificate
College of Health and Public Affairs
Department of Communication Sciences and Disorders, Health and Public Affairs II, Room: 101
http://www.cohpa.ucf.edu/csd
Email: csdundergraduate@ucf.edu
Dr. Cecyle Carson, Undergraduate Program Coordinator
Phone: 407-823-4798

Language disorders are the most prevalent communication disorder. Typically children, adolescents and adults with language disorders are served via a team approach that includes speech-language pathologists, psychologists, neurologists, pediatricians, nurses, social workers, physical therapists, occupational therapists, school counselors, and general and special educators. This certificate is designed for undergraduate students who are not majoring or minoring in Communication Sciences and Disorders. This is for those in disciplines related to speech-language pathology who wish to pursue a special emphasis in language development and disorders in children, adolescents and adults. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
- None

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (11 hrs)

<table>
<thead>
<tr>
<th>Language</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>LIN 3713</td>
<td>Language Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>LIN 3716L</td>
<td>Language Development Lab</td>
<td>2 hrs</td>
</tr>
<tr>
<td></td>
<td>SPA 4400</td>
<td>Language Disorders Across the Life Span</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 11

Other Requirements
- A minimum grade of “C-” (1.75) is required in each course.
- Students must earn an overall GPA of 2.0 in courses to complete the certificate.

UNIVERSITY OF CENTRAL FLORIDA
Leadership Studies - Certificate
College of Undergraduate Studies
Office of Interdisciplinary Studies,
Classroom I, Room: 302
http://www.is.ucf.edu
Email: is@ucf.edu
Phone: 407-823-0144

The Leadership Studies (LS) certificate is an interdisciplinary academic program that focuses on developing several dimensions of leadership understanding and skills for undergraduate students. The certificate builds upon foundational courses with specific aspects of leadership covered.

Certificate will be awarded only at time of degree completion.

Certificate Admission Requirements
- None

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (13 hrs)
- LDR 2001 Foundations of Leadership 2 hrs
- LDR 2002 Intermediate Foundations of Leadership 2 hrs

Restricted Requirements 9 hrs
- Choose one course from three of the areas below:
  Communication
    - COM 3011C Communication and Human Relations or 3 hrs
    - COM 3120 Organizational Communication or 3 hrs
    - COM 4461 Intercultural Communication or 3 hrs
    - COM 4462 Conflict Management 3 hrs
  Collaboration
    - INP 3004 Industrial/Organizational Psychology or 3 hrs
    - INP 4313 Organizational Psychology or 3 hrs
    - MAN 4240 Organizations: Theory and Behavior or 3 hrs
    - MAN 3025 Management of Organizations or 3 hrs
    - SPC 4426 Group Dynamics 3 hrs
  Social Relations and Culture
    - ANT 3541 Biobehavioral Anthropology or 3 hrs
    - CLP 3143 Abnormal Psychology or 3 hrs
    - COM 4461 Intercultural Communication or 3 hrs
    - EXP 3304 Motivation or 3 hrs
    - SOP 3004 Social Psychology or 3 hrs
    - SOP 3723 Cultural Psychology or 3 hrs
    - SOP 3742 Psychology of Women or 3 hrs
    - SOP 3784 Psychology of Diversity 3 hrs
  Politics
    - PAD 3003 Public Administration in American Society or 3 hrs
    - PAD 4104 Administrative Theory or 3 hrs
    - PAD 4144 Nonprofit Organizations or 3 hrs
    - PAF 4754 Interdisciplinary Leadership in Public Affairs or 3 hrs
    - POS 3413 The American Presidency or 3 hrs
    - POS 4206 Political Psychology or 3 hrs
    - PUP 3325 Women and Political Behavior 3 hrs
  Ethics
    - BUL 3130 Legal and Ethical Environment of Business or 3 hrs
    - EDF 3601 Professional Ethics in Education or 3 hrs
    - PAD 3040 Ethics and Values in Public Administration or 3 hrs
    - PHI 2108 Critical Thinking or 3 hrs
    - PHI 3640 Environmental Ethics 3 hrs

Total Semester Hours Required
- 13

Restrict Electives
- None

Foreign Language Requirements
- None

Other Requirements
- Earn a grade of “C” (2.0) or better in each course used to satisfy the certificate.
- At least 12 credit hours used in the certificate must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the certificate.
- Students cannot complete both the Leadership Studies certificate and the Leadership Studies minor.

Native American Studies - Certificate
College of Sciences
Department of Anthropology
http://anthropology.cos.ucf.edu
Email: anthro@ucf.edu
Dr. Rosalyn Howard, 407-823-2227

The Departments of Anthropology, History, English, Political Science, and Latin American Studies offer courses that support this Certificate. Significantly, this Certificate will provide an alternative to students majoring in Anthropology who wish to focus on Native American Studies but who are precluded from taking the Minor in the North American Indian Studies Program since it is administered in the Department of Anthropology. This certificate program will expand the study of Native peoples who reside in other regions of the Americas currently not covered by the North American Indian Studies program. This Certificate is appropriate for all UCF undergraduates.

Certificates will be awarded only at time of degree completion.

Admission Requirements
- None

Certificate Requirements
- A minimum overall 2.0 GPA is required in courses used to satisfy the requirement.
- At least 12 hours used toward the certificate must be earned at UCF within the participating departments.
- Anthropology majors may apply only two Anthropology courses from the Certificate program curriculum toward the Anthropology Major course requirements.

Prerequisite Courses
- Most courses for this certificate will have prerequisites completed as a part of a student’s GEP requirement, as general electives, or a student can enroll into courses with consent of instructor.
  - ANT 2000 General Anthropology 3 hrs
  - AMH 2010 U.S. History: 1492-1877 3 hrs
  - AMH 2020 U.S. History: 1877-Present 3 hrs

Required Courses (9 hrs)
- ANT 3245 Native American Religions 3 hrs
- ANT 3312 Ethnology of North American Indians 3 hrs
- AMH 3580 North American Indians 3 hrs

Restricted Electives (6 hrs)
- Choose from the following:
  - AMH 3441 History of the Frontier: Eastern America 3 hrs
  - AMH 2010 U.S. History: 1492-1877 3 hrs
  - AMH 2020 U.S. History: 1877-Present 3 hrs
  - AML 3643 Contemporary Native American Prose and Poetry 3 hrs
  - ANT 3152 Cliffs, Canyons, and Deserts: Ancient Societies of the Greater Southwest 3 hrs
  - ANT 3158 Florida Archaeology 3 hrs
### Certificates

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 3160</td>
<td>Americas Before Columbus</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3163</td>
<td>Mesoamerican Archaeology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3164</td>
<td>Ancient Incas</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3165</td>
<td>Archaeology of South America</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3168</td>
<td>Maya Archaeology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3311</td>
<td>Indians of the Southeastern United States</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3398</td>
<td>Black/Seminole Relations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CPO 4794</td>
<td>Indigenous Politics and the Environment</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LAS 3101</td>
<td>Latin American Popular Culture</td>
<td>3 hrs</td>
</tr>
<tr>
<td>POS 3076</td>
<td>American Indian Politics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 15

**Other Requirements**
- No credit by exam (TSD, Military credit) may be used.
- Course substitutions must be approved in advance by the Director of the Native American Studies Program.

### Nonprofit Management - Certificate

**College of Health and Public Affairs**

**School of Public Administration,**

**Health and Public Affairs II, Room: 238**

[http://www.cohpa.ucf.edu/publicadmin](http://www.cohpa.ucf.edu/publicadmin)

Dr. Stephanie Krick, stephanie.krick@ucf.edu, 407-823-2604

The Certificate program will provide basic knowledge in nonprofit management, resource development, volunteer management, strategic planning, and program evaluation for those students interested in nonprofit sector management as a career. Certificates will be awarded only at the time of degree completion.

**Certificate Admission Requirements**
- None

**Certificate Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses (15 hrs)**

- PAD 4144  Nonprofit Organizations  3 hrs
- PAD 4148  Volunteer Management  3 hrs
- PAD 4147  Resource Development in the Nonprofit Sector  3 hrs
- PAD 4325  Program Evaluation for Public and Nonprofit Organizations  3 hrs
- PAD 4153  Planning and Improvement for Public Organizations  3 hrs

**Restricted Electives (3 hrs)**

- See advisor for approved courses

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 18

**Other Requirements**
- A minimum grade of “C” (2.0) is required in each course.
- At least 12 hours used in the program must be earned at UCF within the Department of Public Administration

### Public and Professional Writing - Certificate

**College of Arts and Humanities**

**Department of Writing and Rhetoric,**

**Colbourn Hall, Room: 301 B**


Dr. Stephanie Vie, Program Director, Stephanie.Vie@ucf.edu, 407-823-1057

Adele Richardson, Program Advisor, adele@ucf.edu, 407-823-0349

Dr. Marcy Galbreath, Program Advisor, Marcy.Galbreath@ucf.edu, 407-823-0745

The Certificate in Public and Professional Writing will provide students with additional training and experience in workplace and public (i.e., civic, community-based) writing.

**Certificate Admission Requirements**

**Transfer Notes**
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. Students must provide all appropriate documentation.

**Certificate Requirements**
- Students should work with a department academic advisor to select courses that support the students’ intended career or path post-graduation.
- Students cannot earn both the Certificate in Public and Professional Writing and the Minor in Writing and Rhetoric.

**Prerequisite Courses**
- None

**Required Courses (6 hrs)**

- ENC 3314  Writing and Rhetoric Foundations  3 hrs
- Select 1: 3 hrs
  - ENC 3250  Professional Writing or 3 hrs
  - ENC 4212  Professional Editing or 3 hrs
  - LIN 3673  Rhetorical Grammar  3 hrs

**Restricted Electives (6 hrs)**

- Students must take any two 3000-4000 level courses taught by the department not restricted to the major or used to satisfy another requirement.

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 12

**Other Requirements**
- A grade of “C+” (2.25) or better is required in each course used to satisfy the certificate.
- At least 6 hours used to satisfy the certificate must be taken from the Department of Writing and Rhetoric at UCF.

### Security Management - Certificate

**College of Health and Public Affairs**

**Department of Criminal Justice,**

**Health and Public Affairs I, Room: 311**

Email: cjadvise@ucf.edu

Jerome Randall, 407-823-2603

The security industry is rapidly growing in the State of Florida and in the nation. This area is in need of qualified, innovative managers and leaders to meet the demands of the twenty-first century. A student in this certificate program will gain experience in risk assessment, legal issues, and contemporary approaches to security management. Certificates will be awarded only at the time of degree completion.

**Certificate Admission Requirements**
- None
Certificate Requirements

- Students are required to take courses as specified below and to declare the Certificate.

Prerequisite Courses

- There are no certificate prerequisites; however, individual courses may have prerequisites.

Required Courses (12 hrs)

- SCC 3311 Security Administration 3 hrs
- CJT 3803 Security Management 3 hrs
- CJT 4843 Risk Management in Criminal Justice/ Private Security 3 hrs
- CCJ 4644 White Collar Crime 3 hrs

Restricted Electives (3 hrs)

- Select one of the following:
  - CJE 3444 Crime Prevention 3 hrs
  - CJT 3821 Practical Security Applications 3 hrs
  - SCC 3316 Special Security Problems 3 hrs
  - DSC 4012 Terrorism 3 hrs
  - DSC 4013 Homeland Security and Criminal Justice 3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 15

Other Requirements

- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- At least 12 hours used in the certificate must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the certificate.

Service-Learning - Certificate

College of Undergraduate Studies

Office of Experiential Learning, CSEL, Suite 300

http://www.explearning.ucf.edu

A. Zeh, Amy.Zeh@ucf.edu, 407-823-2667

The certificate program in Service-Learning is designed for students in any discipline who seek to engage in a reflective analysis of community service as it relates to academic course work. Service-Learning furthers the learning objectives of the academic course, addresses community needs, and requires students to reflect on their activity in order to gain an appreciation for the relationship between civics and academics. Through Service-Learning (SL) courses, students develop academic skills, civic responsibility, and career opportunities. Since this certificate requires the completion of four SL courses, it reflects significant interest and commitment to this process. This certificate is open to all undergraduate and graduate students in any major.

Certificate Admission Requirements

- None

Certificate Requirements

- None

Prerequisite Courses

- None

Required Courses (12 hrs)

- Select one of the following SL courses:
  - DSC 4013 Service-Learning 3 hrs
  - CJT 4843 Management of Security 3 hrs
  - CJT 3821 Practical Security Applications 3 hrs
  - SCC 3316 Special Security Problems 3 hrs
  - DSC 4012 Terrorism 3 hrs
  - DSC 4013 Homeland Security and Criminal Justice 3 hrs

Restricted Electives

- None

Foreign Language Requirements

- None

Total Semester Hours Required

- 12

Other Requirements

- Minimum GPA of 2.5 in UCF-approved SL classes.
- Minimum of 60 community service hours in four (4) UCF-approved SL classes.

Spanish for Health Professionals - Certificate

College of Arts and Humanities

Department of Modern Languages and Literatures,
Colbourn Hall, Room: 523

http://mll.cah.ucf.edu/

Dr. Humberto Lopez Cruz, hlopez@ucf.edu, 407-823-2472

Admission Requirements

- Students must demonstrate a foreign language proficiency in Spanish equivalent to third-year college level to be admitted to the certificate.

Certificate Requirements

- For degree-seeking students, certificates will be awarded only at time of degree completion.

Prerequisite Courses

- None

Required Courses (9 hrs)

- HSC 4555 Pathophysiology I or 3 hrs
- HSC 4558 Pathophysiology II or 3 hrs
- HSC 4559 Preventive Health Care or 3 hrs
- HSC 4201 Community Health or 3 hrs
- HSA 4109 U.S. Health Care Systems or 3 hrs
- HSA 4111 Principles of Healthcare Reimbursement, Insurance, and Managed Care Plans or 3 hrs

Restricted Electives (6 hrs)

- Select one of the following upper division Health Sciences courses:
  - HSC 4201 Community Health or 3 hrs
  - HSC 4555 Pathophysiology I or 3 hrs
  - HSC 4558 Pathophysiology II or 3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 15

Other Requirements

- A minimum grade of "C" (2.0) is required in all courses used to satisfy the certificate.
- All 15 hours used in the certificate must be earned at UCF within the participating departments.
- No credit by exam (TSD, Military credit) may be used.
- Independent study and substitute courses/new courses are allowed at the director's discretion.

Spanish for the Legal World - Certificate

College of Arts and Humanities

Department of Modern Languages and Literatures,
Colbourn Hall, Room: 523

http://mll.cah.ucf.edu/

Dr. Humberto Lopez Cruz, hlopez@ucf.edu, 407-823-2472

Admission Requirements

- Students must demonstrate a foreign language proficiency in Spanish equivalent to third-year college level to be admitted to the certificate.

Certificate Requirements

- For degree-seeking students, certificates will be awarded only at time of degree completion.

Prerequisite Courses

- None

Required Courses (9 hrs)

- SPN 3344 Advanced Spanish Native Fluency I or 3 hrs
- SPN 3345 Advanced Spanish Native Fluency II or 3 hrs

Restricted Electives (6 hrs)

- Select one of the following upper division courses:
  - SPN 3344 Advanced Spanish Native Fluency I or 3 hrs
  - SPN 3345 Advanced Spanish Native Fluency II or 3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 15

Other Requirements

- A minimum grade of "C" (2.0) is required in all courses used to satisfy the certificate.
- All 15 hours used in the certificate must be earned at UCF within the participating departments.
- No credit by exam (TSD, Military credit) may be used.
- Independent study and substitute courses/new courses are allowed at the director's discretion.
### Certificates

<table>
<thead>
<tr>
<th>Prerequisite Courses</th>
<th>Required Courses (9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>PLA 3014 Law and the Legal System 3 hrs</td>
</tr>
<tr>
<td></td>
<td>SPN 4410 Advanced Spanish Conversation 3 hrs</td>
</tr>
<tr>
<td></td>
<td>SPT 3831 Spanish Legal Translation and Interpretation 3 hrs</td>
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</table>

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<tr>
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<tbody>
<tr>
<td>Select one of the following Public Affairs upper division courses 3 hrs</td>
</tr>
<tr>
<td>PLA 3306 Criminal Law or 3 hrs</td>
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<tr>
<td>PLA 4020 Law and Society 3 hrs</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Select one of the following Spanish upper division courses 3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPN 3344 Advanced Spanish Native Fluency I or 3 hrs</td>
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<tr>
<td>SPN 3345 Advanced Spanish Native Fluency II 3 hrs</td>
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<tr>
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<tr>
<th>Other Requirements</th>
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<tbody>
<tr>
<td>A minimum GPA of 2.5 in all courses</td>
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<td>No credit by exam (CLEP, Military credit) may be used.</td>
</tr>
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<td>Transfer credits from other universities will be considered.</td>
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<td>At least 6 hours used in the certificate must be earned at UCF.</td>
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<td>Note: Completion of this certificate does not complete the requirements for teacher certification, nor does it constitute admission to the College of Education and Human Performance.</td>
</tr>
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</table>

### Substitute Teaching - Certificate

**College of Education and Human Performance**

**School of Teaching, Learning, and Leadership, Education Building, Room: 206F**

[http://education.ucf.edu/subteach](http://education.ucf.edu/subteach)

**Email:** Lindsay.archambault@ucf.edu

Lindsay Archambault, 407-823-2861

The Substitute Teaching Certificate is designed for undergraduates who want to prepare themselves for substitute teaching assignments in PK-12 schools. This certificate does not lead to teacher certification or admission to the College of Education and Human Performance. The certificate is appropriate for students who are seeking an enhanced understanding of how to be an effective substitute teacher in PK-12 school classrooms, or for those who are considering a future career as a fully certified teacher. This certificate may also strengthen the marketability of students’ major programs. This certificate is available for students in the 2006 catalog year and beyond.

<table>
<thead>
<tr>
<th>Certificate Admission Requirements</th>
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<tbody>
<tr>
<td>None</td>
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<tbody>
<tr>
<td>EDF 2007 Introduction to Substitute Teaching 3 hrs</td>
</tr>
<tr>
<td>EDF 2250 Classroom Management for Substitute Teachers 3 hrs</td>
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<tr>
<td>EDG 2311 Teaching Strategies for Substitute Teachers 3 hrs</td>
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<tbody>
<tr>
<td>A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.</td>
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<td>All 12 hours used in the certificate must be earned at UCF within the participating departments.</td>
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<td>Internships, independent study and substitute courses/new courses are allowed at the director’s discretion.</td>
</tr>
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</table>

### Teaching English as a Foreign Language - Certificate

**College of Arts and Humanities**

**Department of Modern Languages and Literatures, Colbourn Hall, Room: 523**


Dr. K. Folse, 407-823-4555

Phone: 407-823-2472

Certificates will be awarded only at time of degree completion.

<table>
<thead>
<tr>
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<td>None</td>
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<table>
<thead>
<tr>
<th>Certificate Requirements (12 hrs)</th>
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<tbody>
<tr>
<td>TSL 3346 English as an International Language 3 hrs</td>
</tr>
<tr>
<td>TSL 4240 Issues in Second Language Acquisition 3 hrs</td>
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<tr>
<td>ANT 3610 Language and Culture 3 hrs</td>
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<tr>
<td>TSL 4363 ESL Classroom Experiences 3 hrs</td>
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### Translation and Interpretation - Certificate

**College of Arts and Humanities**

**Department of Modern Languages and Literatures, Colbourn Hall, Room: 519**


Dr. Francisco Fernandez-Rubiera, rubiera@ucf.edu

Certificate Admission Requirements

| None |

Certificate Requirements

| None |

Required Courses (15 hrs)

<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>SPT 3800 Spanish Translation and Interpretation 3 hrs</td>
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<tr>
<td>SPT 3805 Spanish Translation and Interpretation for Mass Communication 3 hrs</td>
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**UNIVERSITY OF CENTRAL FLORIDA**

422 Undergraduate Catalog 2016-2017
Certificates

SPT 3809  Medical Spanish Translation/Interpretation  3 hrs
SPT 3831  Spanish Legal Translation and Interpretation  3 hrs
SPN 4941  Internship  3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- A grade of “C” (2.0) or better is required in all courses used to satisfy the certificate.
- At least 12 hours used in the certificate must be earned at UCF within the Department.
- Independent Study or Co-op credit cannot be used toward the certificate.
- No credit by exam (TSD, Military credit) may be used.
- Satisfactory completion of translation and interpretation exit exam.

Victim Advocacy - Certificate
College of Health and Public Affairs
Department of Criminal Justice,
Health and Public Affairs I, Room: 311
Email: cjadvise@ucf.edu
Dr. MaryAnn Eastep, 407-823-2603

The Criminal Justice System can be difficult for crime victims to navigate. This Certificate in Victim Advocacy provides a theoretical and practical knowledge base for professionals in various fields who work or plan to work with and advocate for crime victims. The program requires 15 hours of undergraduate work. Courses are offered by the Department of Criminal Justice, the College of Nursing, the Department of Sociology, and the School of Social Work. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
- None

Certificate Requirements
- Students are required to take courses as specified below and to declare the Certificate.

Prerequisite Courses
- There are no certificate program prerequisites; however individual courses may have prerequisites.

Required Courses
- CCJ 3667  Victims and the CJ System  3 hrs
- CCJ 4670  Women and Crime  3 hrs
- CCJ 4681  Domestic Violence and the Justice System  3 hrs

Restricted Electives
- Select two of the following:
  - SYP 4521  Crime Victims in Society  3 hrs
  - NUR 4516  Crisis Intervention  3 hrs
  - SOW 4754  Forensic Social Work Theory and Practice  3 hrs
  - CJJ 4564  Juvenile Justice System  3 hrs
  - CCJ 4690  Sex Offenders and the Criminal Justice System  3 hrs
  - CCJ 4129  Cultural Diversity in Criminal Justice  3 hrs
  - PLA 4530  Legal Issues of the Elderly  3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- At least 12 hours used in the program must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the certificate.
Aerospace Engineering - Accelerated Undergraduate-Graduate Program (B.S.A.E. / M.S.A.E., M.S.M.E. or M.S.BM.E.)

College of Engineering and Computer Science
Department of Mechanical and Aerospace Engineering,
Engineering, Room: 381
http://www.mae.ucf.edu

Email: mmaeugen@ucf.edu
Dr. Jihua Gou, jihua.gou@ucf.edu, 407-823-2155
Dr. Hyoung Jin "Joe" Cho, hjcho@ucf.edu, 407-823-5014
Phone: 407-823-5448

Admission Requirements
- See Common Program Prerequisites.
- Qualified students may apply after completion of a minimum of 64 credit hours.
- Completion of no more than 96 credit hours.
- Admission to the Accelerated Program does not guarantee formal admission to the MSAE, MSME or MSBME program.
- Admission is not automatic. Interested students may need to be interviewed.

Degree Requirements
- None

1. UCF General Education Program (GEP) (38 hrs)
   - See Aerospace Engineering major in catalog for GEP requirements.
     A: Communication Foundations
     B: Cultural & Historical Foundations
     C: Mathematical Foundations
     D: Social Foundations
     E: Science Foundations

2. Common Program Prerequisites (CPP) (19 hrs)
   - See Aerospace Engineering major in the catalog for the CPP requirements.

3. Core Requirements: Basic Level (2 hrs)
   - The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing these courses, together with the core requirements, technical elective courses and senior design courses listed. Independent study courses generally do not satisfy major requirements.
     EGS 1006C Introduction to the Engineering Profession 1 hr
     EGN 1007C Engineering Concepts and Methods 1 hr

4. Core Requirements: Advanced Level (51 hrs)
   - Engineering Analysis-Statics
   - Thermodynamics
   - Structure and Properties of Aerospace Materials
   - Principles of Electrical Engineering
   - Probability and Statistics for Engineers
   - Fundamentals of Aerodynamics
   - Aerospace Engineering Measurements
   - Design of Aerospace Experiments
   - Flight Mechanics
   - High-Speed Aerodynamics
   - Aerothermodynamics of Propulsion Systems
   - Modeling Methods in Mechanical and Aerospace Engineering
   - Solid Mechanics
   - Analysis & Design of Aerospace Structures
   - Engineering Analysis-Dynamics
   - Introduction to Vibrations and Controls
   - Fluid Mechanics I
   - Heat Transfer

5. Restricted Electives (12 hrs)
   - Technical electives should be taken at the 5000 or 6000 level and are available in the BSAE program to address specific student interests in a variety of technical areas. Students must consult with their assigned academic advisor for a list of the approved technical electives and the semesters when specific courses of this type are to be offered.
   - Please Note: The Accelerated B.S. to M.S. Program allows students to complete a maximum of 12 credit hours of Graduate level course work for technical elective credit.

6. Capstone Requirements (6 hrs)
   - These courses are a capstone experience to your engineering program and should be completed in your last 2 major semesters of study.
   - CECS encourages all engineering students to take the Fundamentals Exam during their senior year.
     EAS 4700C Aerospace Design I 3 hrs
     EAS 4710C Aerospace Design II 3 hrs

7. Foreign Language Requirements
   - Admissions
     - None
   - Electives
     - None
   - Additional Requirements
     - None
   - Required Minors
     - None
   - Departmental Exit Requirements
     - None
   - 12. University Minimum Exit Requirements
     - A 2.0 UCF GPA
     - 60 semester hours earned after CLEP awarded
     - 48 semester hours of upper division credit completed
     - 30 of the last 39 hours of course work must be completed in residency at UCF.
     - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
     - Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Undergraduate Hours Required
- 128
Total Combined Hours Required
- 146

Honors in Major
- None

Related Programs
- Mechanical Engineering
- Certificates
- None

Related Minors
- Engineering Leadership

Advising Notes
- The baccalaureate degree will be awarded when program requirements for the BS are met and students have completed a minimum of 128 hours of credit. Students will then be reclassified as graduate students. The MSAE, MSME or MSBME will be awarded on completion of the total program of study.
- The following will be waived for this joint degree program: The limit of nine hours to be shared between undergraduate and graduate programs. Undergraduate students taking graduate courses must be within nine hours of graduation. Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester.
Accelerated Undergraduate-Graduate Programs

Communication Sciences and Disorders - Accelerated Undergraduate-Graduate Program (B.A. or B.S. / M.A.)

College of Health and Public Affairs
Department of Communication Sciences and Disorders, Health and Public Affairs II, Room: 101
http://www.cohpa.ucf.edu/csd
Email: csdundergraduate@ucf.edu
Dr. Cecyle Carson, Undergraduate Program Coordinator
Phone: 407-823-4798

Purpose of this program - This program allows highly qualified undergraduate majors in communication sciences and disorders to enroll in 16 credit hours of graduate-level courses while completing the bachelor’s degree. This enables full-time students to achieve a master’s degree in one to two fewer semesters.

Admission Requirements
- Completion of at least 15 hours of undergraduate CSD coursework at UCF.
- A 3.6 GPA or better in courses in the major.
- A highly competitive GRE score taken within the past 5 years.
- Completion of an application, including three letters of recommendation from faculty in the department, and a letter of intent which indicates reasons for desiring entrance into the accelerated program, personal strengths and how they have been demonstrated, and future goals.
- Students who achieve a "B" or better for all 16 credit hours of graduate course work will be formally admitted into the master’s program in Communication Sciences and Disorders following receipt of the bachelor’s degree.

Degree Requirements
- None

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
      Prefer MGF 1106 Finite Mathematics (3 hrs)

   Select 1:
      Suggested STA 2014C Principles of Statistics or STA 2023 Statistical Methods I (3 hrs)
      Suggested STA 2014C Principles of Statistics or STA 2023 Statistical Methods I (3 hrs)

2. Common Program Prerequisites (CPP)
   STA 2014C Principles of Statistics (3 hrs)
   STA 2014C Principles of Statistics (3 hrs)
   STA 2023 Statistical Methods I (3 hrs)
   STA 2023 Statistical Methods I (3 hrs)

3. Core Requirements: Basic Level
   None

4. Core Requirements: Advanced Level (50 hrs)
   SPA 3471 Communication Disorders in Literature and Media (3 hrs)
   SPA 3101 Physiological Bases of Speech and Hearing (3 hrs)
   SPA 3112 Basic Phonetics (3 hrs)
   SPA 3112L Basic Phonetics Lab (1 hr)
   SPA 3145 Language Development (3 hrs)
   SPA 3011 Speech Science I: Production (3 hrs)
   SPA 3011L Speech Production Lab (1 hr)
   SPA 3104 Neural Bases of Communication (3 hrs)
   SPA 3123 Speech Science II: Perception (3 hrs)
   SPA 3123L Speech Perception Lab (1 hr)
   SPA 4032 Audiology (3 hrs)
   SPA 4326 Hearing Disorders Across the Lifespan (3 hrs)
   DEP 2004 Developmental Psychology (3 hrs)
   LIN 3716 Language Development Lab (2 hrs)
   LIN 3713 Language Science (3 hrs)

   Select 1: (3 hrs)
      EAB 3703 Principles of Behavior Modification or EEC 4601 Introduction to Behavior Management (4 hrs)
      EEC 4604 Classroom Management and Guidance of Young Children (3 hrs)
      EDF 3303 Learning Environments and Guidance for Young Children (3 hrs)
      SPA 3472 Guidance of Young Children with Communication Disorders or EEX 4350 Young Children With Special Needs or EEX 4070 Teaching Exceptional Students (3 hrs)

Statistics Requirement (6 hrs)

Option 1: (6 hrs)
   STA 2023 Statistical Methods I and STA 4163 Statistical Methods II (3 hrs)

Option 2: (6 hrs)
   STA 2014C Principles of Statistics and SPA 6805 Research in Communicative Disorders or STA 2023 Statistical Methods I and SPA 6805 Research in Communicative Disorders (3 hrs)

5. Restricted Electives (9 hrs)
   B.A. Option: Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year in college.
   B.S. Option: Students pursuing the B.S. degree must complete two upper division health science courses (six credit hours) approved by the Department of Communication Sciences and Disorders.

6. Capstone Requirements (3 hrs)
   None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Shared Courses (12 hrs)
- Up to 12 credit hours of approved 5000 and 6000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either technical elective or course requirements for the major. Contact the Graduate Coordinator in the Mechanical and Aerospace Engineering department for a list of acceptable courses.

Graduate Courses Link
- http://www.graduatecatalog.ucf.edu/content/Courses.aspx

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

UNIVERSITY OF CENTRAL FLORIDA
425 Undergraduate Catalog 2016-2017
Accelerated Undergraduate-Graduate Programs

7. Foreign Language Requirements

Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation. American Sign Language (ASL) can be used to fulfill the foreign language admission requirement.

Graduation
- Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year.

ASL I, II, and III can be used to fulfill this requirement.

8. Electives
- Select 12 hours of electives. A minor or certificate is encouraged.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- A minimum grade of “B” in all graduate courses.
- A minimum overall GPA of 3.0 in the courses used to satisfy the major.
- A passing score on the Communication Sciences and Disorders Undergraduate Competency Examination.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of summer credit.

Total Undergraduate Hours Required
- 120

Honors In Major
- Interested students should contact the undergraduate program coordinator.

Related Programs
- Health Services Administration
- Physical Therapy
- Psychology
- Social Work
- Early Childhood Education
- Physical Therapy

Certificates
- Language Development and Disorders

Related Minors
- Exceptional Education
- Early Childhood Education
- Aging Studies
- Health Services Administration
- Human Communication
- Linguistics
- Psychology
- Communication Sciences and Disorders

Advising Notes
- None

Transfer Notes
- "D" (1.0) grades are not accepted.
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
- Students may take STA 2014C or STA 2023 to fulfill the first part of the statistics requirement.

Acceptable Substitutes for Transfer Courses
- None

Shared Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPA 6204</td>
<td>Articulation/Phonological Disorders</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPA 6410</td>
<td>Aphasia and Related Disorders</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPA 6496</td>
<td>Language Disorders in Children and Adolescents</td>
<td>6 hrs</td>
</tr>
<tr>
<td>SPA 6805</td>
<td>Research in Communicative Disorders</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPA 6551</td>
<td>Foundations of Clinical Practice: Level I</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

Graduate Courses Link
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oelas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $17.50 per term
- Full-Time Student: $35 per term

Computer Engineering - Accelerated

Undergraduate-Graduate Program
(B.S.Cp.E. / M.S.Cp.E.)

College of Engineering and Computer Science
Department of Electrical and Computer Engineering,
Harris Corp. Engineering Center, Room: 439
http://www.ece.ucf.edu
Email: eecpe-grad@ece.ucf.edu
Dr. Kalpathy Sundaram
Diana Camerino
Phone: 407-823-3327

Admission Requirements
- See Common Program Prerequisites
- Qualified students may apply after completion of a minimum of 64 credit hours
- Completion of no more than 96 credit hours
- Completion of the GRE with a highly competitive score by the end of first semester of the senior year
- Admission is not automatic. Interested students may need to be interviewed.
- Admission to the Accelerated Program does not guarantee formal admission to the MSPE program.

Degree Requirements
- None

1. UCF General Education Program (GEP) (38 hrs)
- See Computer Engineering major in the catalog for GEP requirements.

A: Communication Foundations
B: Cultural & Historical Foundations
C: Mathematical Foundations
D: Social Foundations
E: Science Foundations

2. Common Program Prerequisites (CPP) (19 hrs)
- See Computer Engineering major in the catalog for the CPP requirements.

3. Core Requirements: Basic Level (2 hrs)

Computer Engineering: Basic Core 2 hrs
EGN 1007C Engineering Concepts and Methods 1 hr
EGS 1006C Introduction to the Engineering Profession 1 hr

4. Core Requirements: Advanced Level (57 hrs)

Courses Required for the Engineering Core 6 hrs
EGN 3310 Engineering Analysis-Statics 3 hrs
STA 3032 Probability and Statistics for Engineers 3 hrs
STP 3098 Thermo-Fluids-Heat Transfer 3 hrs

Select 1: 3 hrs
EGN 3321 Engineering Analysis-Dynamics 3 hrs
EGN 3558 Thermo-Fluids-Heat Transfer 3 hrs

Courses Required for the Major 48 hrs
COT 3100C Introduction to Discrete Structures 3 hrs
COP 3522C Computer Science I 3 hrs
COP 3503C Computer Science II 3 hrs
### 5. Restricted Electives (9 hrs)
- Technical electives should be taken at the 5000 level and are available in the BScPE program to address specific student interests in a variety of technical areas. Students should consult with their academic advisor for identification of courses that are approved technical electives and the terms when specific courses of this type are to be offered.

### 6. Capstone Requirements (6 hrs)
- **EEL 4914** Senior Design I  3 hrs
- **EEL 4915L** Senior Design II  3 hrs

### 7. Foreign Language Requirements
- Admissions
  - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

### 8. Electives
- None

### 9. Additional Requirements
- 24 of 32 residency hours must be 3000-5000 level courses taken from the EECS Department at UCF and applicable to the undergraduate degree program.

### 10. Required Minors
- None

### 11. Departmental Exit Requirements
- CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

### Total Undergraduate Hours Required
- 128

### Total Combined Hours Required
- 146

### Honors In Major
- None

### Related Programs
- Computer Science
- Electrical Engineering
- Information Technology
- Mathematics - Engineering/Physics Track
- Physics

### Certificates
- None

### Related Minors
- Computer Science - Accelerated Undergraduate-Graduate Program (B.S. / M.S.)
- College of Engineering and Computer Science
- Department of Computer Science
- Harris Corp. Engineering Center, Room: 437
- [http://www.eecs.ucf.edu](http://www.eecs.ucf.edu)
- Dr. Shaojie Zhang, shzhang@cs.ucf.edu
- Phone: 407-823-3327

### Admission Requirements
- See Common Program Prerequisites.
- Qualified students may apply after completion of a minimum of 60 credit hours and successful completion of the Foundation Exam.
- Completion of no more than 90 credit hours.
- Completion of the GRE with a highly competitive score by the end of first semester of the senior year for continuation in the program.
- Admission is not automatic. Interested students may need to be interviewed.
- Admission to the Accelerated Program does not guarantee formal admission to the MS program.

### Degree Requirements
- None
1. **UCF General Education Program (GEP)** (39 hrs)
- See Computer Science major in the catalog for track specific GEP requirements.
2. **Common Program Prerequisites (CPP)** (17 hrs)
- See Computer Science major in the catalog for the CPP requirements.
### Accelerated Undergraduate-Graduate Programs

<table>
<thead>
<tr>
<th>3. Core Requirements: Basic Level</th>
<th>(24 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 2023 Statistical Methods I</td>
<td>GEP</td>
</tr>
<tr>
<td>COP 3330 Object Oriented Programming</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 3502C Computer Science I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 3503C Computer Science II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CDA 3103C Computer Logic and Organization</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COT 3100C Introduction to Discrete Structures</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CIS 3360 Security in Computing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 3402 Systems Software</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COT 3960 CS Foundation Exam</td>
<td>0 hrs</td>
</tr>
</tbody>
</table>

**Select 1:** 3 hrs

- ENC 3241 Writing for the Technical Professional or
- ENC 3250 Professional Writing

<table>
<thead>
<tr>
<th>4. Core Requirements: Advanced Level</th>
<th>(21 hrs)</th>
</tr>
</thead>
</table>
| A “C” (2.0) or better is required in all courses listed. Students must maintain at least a 2.5 GPA in the following courses.
- COP 4331C Processes for Object-Oriented Software 3 hrs
- Development
- EEL 4768 Computer Architecture 3 hrs
- COT 4210 Discrete Structures II 3 hrs
- COP 4020 Programming Languages I 3 hrs
- COP 4600 Operating Systems 3 hrs
- COP 4934 Senior Design I 3 hrs
- COP 4035 Senior Design II 3 hrs

<table>
<thead>
<tr>
<th>5. Restricted Electives</th>
<th>(15 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>5000 level Computer Science courses</td>
<td>9 hrs</td>
</tr>
<tr>
<td>At most 3 hours of independent study allowed. No internship or cooperative education credits are allowed. Approved IT courses offered by Computer Science may also be used toward this requirement (3 credits).</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>4000-5000 level mathematics or statistics</th>
<th>6 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>courses from: STA, MAP, MAA, MAD, MAS prefixes and the following courses.</td>
<td></td>
</tr>
<tr>
<td>No independent study hours, internship, or cooperative education hours are allowed.</td>
<td></td>
</tr>
<tr>
<td>MAC 2313 Calculus with Analytic Geometry III 4 hrs</td>
<td></td>
</tr>
<tr>
<td>MAP 2302 Ordinary Differential Equations I 3 hrs</td>
<td></td>
</tr>
<tr>
<td>MAS 3105 Matrix and Linear Algebra 4 hrs</td>
<td></td>
</tr>
<tr>
<td>MAS 3106 Linear Algebra 4 hrs</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>6. Capstone Requirements</th>
<th>None</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>7. Foreign Language Requirements</th>
<th>Admissions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Graduation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proficiency exam in a second language, one semester of college level Foreign Language, or 3 credits of multicultural courses approved by Computer Science. This requirement is waived for second degree seeking students.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>8. Electives</th>
<th>(4 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>9. Additional Requirements</th>
<th>None</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>10. Required Minors</th>
<th>None</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>11. Departmental Exit Requirements</th>
<th>None</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>12. University Minimum Exit Requirements</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>A 2.0 UCF GPA</td>
<td></td>
</tr>
<tr>
<td>60 semester hours earned after CLEP awarded</td>
<td></td>
</tr>
<tr>
<td>48 semester hours of upper division credit completed</td>
<td></td>
</tr>
<tr>
<td>30 of the last 39 hours of course work must be completed in residency at UCF.</td>
<td></td>
</tr>
<tr>
<td>A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.</td>
<td></td>
</tr>
<tr>
<td>Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.</td>
<td></td>
</tr>
</tbody>
</table>

### Total Undergraduate Hours Required
- 120

### Total Combined Hours Required
- 138

### Honors In Major
- None

### Related Programs
- Computer Engineering
- Information Technology

### Certificates
- None

### Related Minors
- Information Technology
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Secure Computing and Networks
- Interdisciplinary Informatics Technology

### Advising Notes
- The following will be waived for this joint degree program:
  - The limit of nine hours to be shared between undergraduate and graduate programs.
  - Undergraduate students taking graduate courses must be within nine hours of graduation.
  - Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester.
  - Undergraduate students are not eligible to take 6000-level courses.

### Transfer Notes
- None

### Acceptable Substitutes for Transfer Courses
- None

### Shared Courses (12 hrs)
- Up to 12 credit hours of approved 5000 or 6000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either restricted elective or course requirements for the major. Contact the Graduate Coordinator in the Computer Science department for a list of acceptable courses.

### Graduate Courses Link
- None

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/alca/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alca/academic_learning_compacts.htm)

### Equipment Fees
- Part-Time Student: $9 per term
- Full-Time Student: $18 per term

### Electrical Engineering - Accelerated Undergraduate-Graduate Program (B.S.E.E. / M.S.E.E.)

**College of Engineering and Computer Science**

**Department of Electrical and Computer Engineering, Harris Corp. Engineering Center, Room: 439**

**http://www.ece.ucf.edu**

**Email:** eeepe-grad@ece.ucf.edu

Dr. Kalpathy Sundaram

Diana Camerino

Phone: 407-823-3327

### Admission Requirements
- See Common Program Prerequisites.
- Qualified students may apply after completion of a minimum of 64 credit hours.
- Completion of no more than 96 credit hours.
- Completion of the GRE with a highly competitive score by the end of first semester of the senior year.
- Admission is not automatic. Interested students may need to be interviewed.
- Admission to the Accelerated Program does not guarantee formal admission to the MSEE program.
## Degree Requirements

- None

### 1. UCF General Education Program (GEP) (38 hrs)
- See Electrical Engineering major in the catalog for track specific GEP requirements.

#### A: Communication Foundations
- None

#### B: Cultural & Historical Foundations
- None

#### C: Mathematical Foundations
- None

#### D: Social Foundations
- None

#### E: Science Foundations
- None

### 2. Common Program Prerequisites (CPP) (19 hrs)
- See Electrical Engineering major in the catalog for the CPP requirements.

### 3. Core Requirements: Basic Level (2 hrs)
- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing these courses, together with the courses required for the major in this area as well as restricted elective courses and the senior design courses listed below. Independent study courses generally do not satisfy major requirements.

#### Engineering Core: Basic

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGS 106C</td>
<td>Introduction to the Engineering Profession</td>
<td>1</td>
</tr>
<tr>
<td>EGN 1007C</td>
<td>Engineering Concepts and Methods</td>
<td>1</td>
</tr>
</tbody>
</table>

### 4. Core Requirements: Advanced Level (53 hrs)

#### Engineering Core: Advanced (9 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 3310</td>
<td>Engineering Analysis-Statics</td>
<td>3</td>
</tr>
<tr>
<td>STA 3032</td>
<td>Probability and Statistics for Engineers</td>
<td>GEP</td>
</tr>
<tr>
<td>PHY 3101</td>
<td>General Physics Using Calculus III</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Select 1: (3 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 3321</td>
<td>Engineering Analysis-Dynamics or Statics</td>
<td>3</td>
</tr>
<tr>
<td>EGN 3358</td>
<td>Thermo-Fluids-Heat Transfer</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Courses Required for the Major (44 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEL 3123C</td>
<td>Networks and Systems</td>
<td>3</td>
</tr>
<tr>
<td>EEE 3350</td>
<td>Semiconductor Devices I</td>
<td>3</td>
</tr>
<tr>
<td>EEE 3307C</td>
<td>Electronics I</td>
<td>4</td>
</tr>
<tr>
<td>EEE 3342C</td>
<td>Digital Systems</td>
<td>3</td>
</tr>
<tr>
<td>EEL 3470</td>
<td>Electromagnetic Fields</td>
<td>3</td>
</tr>
<tr>
<td>EEL 3552C</td>
<td>Analog and Digital Communication Fundamentals</td>
<td>4</td>
</tr>
<tr>
<td>EEL 3657</td>
<td>Linear Control Systems</td>
<td>3</td>
</tr>
<tr>
<td>EEL 3801C</td>
<td>Computer Organization</td>
<td>3</td>
</tr>
<tr>
<td>EEE 4500C</td>
<td>Electronics II</td>
<td>4</td>
</tr>
<tr>
<td>EEL 4750</td>
<td>Digital Signal Processing Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>EEL 4742C</td>
<td>Embedded Systems</td>
<td>4</td>
</tr>
<tr>
<td>EGN 3211</td>
<td>Engineering Analysis and Computation</td>
<td>3</td>
</tr>
</tbody>
</table>

1 A "C" (2.0) or better is required in this course.

### 5. Restricted Electives (10 hrs)
- Technical electives should be taken at the 5000 level and are available in the BSEE program to address specific student interests in a variety of technical areas. Students should consult with their academic advisor for the identification of courses which are approved technical electives and the terms when specific courses of this type are to be offered.

### 6. Capstone Requirements (6 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEL 4914</td>
<td>Senior Design I</td>
<td>3</td>
</tr>
<tr>
<td>EEL 4915L</td>
<td>Senior Design II</td>
<td>3</td>
</tr>
</tbody>
</table>

### 7. Foreign Language Requirements

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

### Admissions

- None

### Graduation

- None

### Electives

- None

### 9. Additional Requirements

- 24 of 32 residency hours must be 3000-5000 level courses taken from the EECS Department at UCF and applicable to the undergraduate degree program.

### 10. Required Minors

- None

### 11. Departmental Exit Requirements

- CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

### 12. University Minimum Exit Requirements

#### A. 2.0 UCF GPA

- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.

- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

### Total Undergraduate Hours Required

- 128

### Total Combined Hours Required

- 146

### Honors in Major

- None

### Related Programs

- Computer Engineering
- Computer Science
- Mathematics - Engineering/Physics Track
- Physics

### Certificates

- None

### Related Minors

- Engineering Leadership
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Mathematics
- Physics

### Advising Notes

**The following will be waived for this joint degree program:**

- The limit of nine hours to be shared between undergraduate and graduate programs.
- Undergraduate students taking graduate courses must be within nine hours of graduation.
- Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester.
- Undergraduate students are not eligible to take 6000-level courses.

### Transfer Notes

- None

### Acceptable Substitutes for Transfer Courses

- None

### Shared Courses

- Up to 12 credit hours of approved 5000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either technical elective or course requirements for the major. Contact the EE/CpE Graduate Coordinator in the Electrical Engineering & Computer Science department for acceptable courses.

### Graduate Courses Link

- None

### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.o eas.ucf.edu/alc/academic_learning_compacts.htm](http://www.o eas.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees

- Part-Time Student: $30 per term
- Full-Time Student: $60 per term
Accelerated Undergraduate-Graduate Programs

History - Accelerated Undergraduate-Graduate Program (B.A / M.A)
College of Arts and Humanities
Department of History, Colbourn Hall, Room: 551
http://history.cah.ucf.edu/
Email: Graduate program: hisgrad@ucf.edu
Email: Undergraduate program: history@ucf.edu
Dr. Amelia Lyons
Phone: 407-823-2224

This program allows highly qualified undergraduate majors in history to begin taking graduate-level courses which will count towards their master’s degree while completing their baccalaureate degree program. Participation will enable completion of a B.A. and M.A. in a shorter period of time for students enrolled in full-time course work.

Admission Requirements
■ Students apply for admission to the accelerated program toward the end of their junior year or after 12 hours of upper-level history course work.
■ One official transcript (in a sealed envelope) from each college/university attended.
■ A 3.5 GPA or higher in history courses
■ Official competitive Graduate Record Exam (GRE) score taken within the last five years.
■ An essay indicating reasons for wishing to complete the combined bachelor’s/master’s program.
■ Three letters of recommendation from History faculty.
■ Students will be formally admitted to the master’s program following receipt of the B.A. degree.

Degree Requirements
■ Students who change degree programs and select this major must adopt the most current catalog.
■ Students must earn at least a “B” (3.0) in each history course for it to be counted toward the major.
■ Co-op credit cannot be used in this major.
■ Students should consult with the departmental graduate director.
■ Departmental residency requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF History Department. Students may substitute up to nine hours of 5000- or 6000-level courses to meet this requirement.
■ Students must compile a portfolio of 8-12 examples of graded, written work from UCF History classes.
■ The B.A. will be awarded after completion of 36 hours of history classes.
■ The M.A. will be awarded upon completion of the program.
■ Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours (see history major requirements).

1. UCF General Education Program (GEP) (36 hrs)
■ See the History major in this catalog for track specific GEP requirements
A: Communication Foundations
B: Cultural & Historical Foundations
C: Mathematical Foundations
D: Social Foundations
E: Science Foundations
2. Common Program Prerequisites (CPP)
■ See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
1 AMH 2010 U.S. History: 1492-1877 GEP
1 AMH 2020 U.S. History: 1877-Present GEP
1 See Transfer Notes for possible substitutes

3. Core Requirements: Basic Level (6 hrs)
■ Complete two courses from EUH 2000, EUH 2001, WOH 2012 and/or WOH 2022. Upper level AFH, ASH, EUH, LAH and/or WOH courses can be substituted for these requirements.
EUH 2000 Western Civilization I 3 hrs
EUH 2001 Western Civilization II 3 hrs
WOH 2012 World Civilization I 3 hrs
WOH 2022 World Civilization II 3 hrs

4. Core Requirements: Advanced Level (3 hrs)
HIS 4150 History and Historians 3 hrs

5. Restricted Electives (21 hrs)
■ (Must be taken within the History Department)
Select six hours of approved history courses 18 hrs
within three of the four geographic regions:
Asian, African, and Middle Eastern
British and European
Latin American
U.S. and Canadian
Select three hours of approved history courses 3 hrs
■ Students may substitute nine hours of 5000- or 6000-level course work for 3000- or 4000-level courses

6. Capstone Requirements
HIS 4959 History Portfolio 0 hrs

7. Foreign Language Requirements
Admissions
■ Met by graduation requirement.
Graduation
■ Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign language may be used to meet the requirement. Majors who are participating in the accelerated program should complete two years of a foreign language, preferably one functional in their area of historical interest. Students may take the department’s M.A. foreign language proficiency exam immediately following the completion of their foreign language course work.

8. Electives
■ Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
Graduate Degree Requirements
■ The graduate requirements listed in the Graduate Catalog take precedence over those listed below.
■ Students admitted to the accelerated program may take a 5000-level course the first semester of their senior year.
■ After successfully completing one 5000-level course, students will be eligible to take HIS 6159 (Historiography) and another 5000-level course or the 6000-level seminar following the 5000-level colloquium they have already completed.
■ Students may substitute these nine hours of graduate-level work for 9 hours of 3000- or 4000-level undergraduate courses.
■ Students need to pay fees at the graduate rate for the graduate courses they take.
Schedule for students enrolled full-time in the accelerated program:
■ Students complete nine hours of graduate-level courses their senior year.
■ Students enroll in at least three hours of graduate-level course work the summer after they receive their B.A.
■ Students enroll in nine hours of graduate-level courses in both spring and fall semesters during their M.A. year.
■ Students complete the Capstone course, pass their preliminary exams, and fulfill their foreign language requirement by the end of their first M.A. year.
■ Students complete and defend a master’s thesis in six hours.
10. Required Minors
- None

11. Departmental Exit Requirements
- Maintain a minimum GPA of 3.5 in upper division required courses attempted.
- Submit a portfolio (HIS 4959) during the semester of graduation. The portfolio will include representative samples of the student's written work including, but not limited to, book critiques, in-class essay exams, and term papers.
- Students must complete at least 18 of the required 36 history hours at UCF.
- Computer competency met by completion of the major.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Undergraduate Hours Required
- 120

Total Combined Hours Required
- 147

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None
- Africana Studies
- American Studies
- Asian Studies
- Florida Studies
- Humanities
- Judaic Studies
- Latin American Area Studies
- Middle Eastern Studies
- Women's Studies

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Shared Courses
- None

Graduate Courses Link
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oias.ucf.edu/alc/academic_learning_compacts.htm

Industrial Engineering - Accelerated
Industrial Engineering-Graduate Program (B.S.I.E. / M.S.I.E.)

College of Engineering and Computer Science
Department of Industrial Engineering and Management Systems, Engineering II, Room: 312
http://www.iems.ucf.edu/
Dr. William Thompson, william.thompson@ucf.edu, 407-823-2636
Phone: 407-823-2204

Admission Requirements
- See Common Program Prerequisites
- Qualified students may apply after completion of a minimum of 60 credit hours
- Admission to the Accelerated Program does not guarantee formal admission to the MSIE program.
- Admission is not automatic. Interested students may need to be interviewed

Degree Requirements
- None

1. UCF General Education Program (GEP) (38 hrs)
- See Industrial Engineering major is the Catalog for track specific GEP requirements.

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (7 hrs)

D: Social Foundations (6 hrs)

E: Science Foundations (7 hrs)

2. Common Program Prerequisites (CPP) (19 hrs)
- See Industrial Engineering major in the Catalog for the CPP requirements.
- See “Common Prerequisites” in the Transfer and Transitions section for more information.

3. Core Requirements: Basic Level (60 hrs)

Industrial Engineering Core: Basic (2 hrs)
- See Industrial Engineering major is the Catalog for track specific GEP requirements.

4. Core Requirements: Advanced Level (59 hrs)
- Graduate courses used to complete the Accelerated BS to MS will be chosen in consultation with the graduate advisor. The courses listed in this example are relevant to the Engineering Management MS. A “C” (2.0) or better is required in all courses listed in this section with a prefix of EIN, ESI, STA and MAS. A “B” (3.0) or better is required for 5000/6000 level courses to be transferred for graduate credit.

EIN 2002  Introduction to Industrial Engineering and Management Systems  1 hr
1 COP 3223C  Introduction to Programming with C  3 hrs
EGN 3310  Engineering Analysis-Statics  3 hrs
EGN 3321  Engineering Analysis-Dynamics  3 hrs
EGN 3373  Principles of Electrical Engineering  3 hrs
EIN 5108  The Environment of Technical Organizations  3 hrs
STA 3032  Probability and Statistics for Engineers GEP  4 hrs
MAS 3105  Matrix and Linear Algebra  4 hrs
EIN 3314  Work Analysis and Design  3 hrs
EIN 3351  Engineering Economic Analysis and Cost Engineering  3 hrs
ESI 4221  Empirical Methods for Industrial Engineering  3 hrs
EIN 4234  Quality Engineering  3 hrs
EIN 4243C  Human Engineering  3 hrs
EIN 4333  Production and Distribution Systems  3 hrs
EIN 4364  Facilities Planning  3 hrs
Accelerated Undergraduate-Graduate Programs

EIN 4391 Manufacturing Engineering 3 hrs
EIN 4517 Systems Engineering 3 hrs
ESI 4628 Decision Support Systems for Industrial Engineers 3 hrs
ESI 5306 Operations Research 3 hrs
ESI 5531 Discrete Systems Simulation 3 hrs

Restricted Electives (6 hrs)

Select 1: 3 hrs
EGN 3358 Thermo-Fluids-Heat Transfer or 3 hrs
EGN 3343 Thermodynamics 3 hrs

Electives

5. Required Minors

1. UCF General Education Program (GEP) (38 hrs)
EIN 4891C Industrial Engineering Senior Design Project 4 hrs

1. University Minimum Exit Requirements

A 2.0 UCF GPA
60 semester hours earned after CLEP awarded
48 semester hours of upper division credit completed
30 of the last 39 hours of course work must be completed in residency at UCF.
A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Undergraduate Hours Required
128

Total Combined Hours Required
146

Honors In Major
None

Related Programs
None

Certificates
None

Related Minors
None

Advising Notes
The following will be waived for this joint degree program:
The limit of nine hours to be shared between undergraduate and graduate programs.
Undergraduate students taking graduate courses must be within nine hours of graduation

Mechanical Engineering - Accelerated
Undergraduate-Graduate Program (B.S.M.E. / M.S.M.E., M.S.M.S.E., M.S.A.E. or M.S.BM.E)
College of Engineering and Computer Science
Department of Mechanical and Aerospace Engineering, Room: 381
http://www.mae.ucf.edu

Admission Requirements
See Common Program Prerequisites.
Qualified students may apply after completion of a minimum of 64 credit hours.
Completion of no more than 96 credit hours.
Admission to the Accelerated Program does not guarantee formal admission to the MSME, MSMSE, MSMAE or MSBM program.
Admission is not automatic. Interested students may need to be interviewed.

Degree Requirements

Total Undergraduate-Graduate Hours Required
146

Electives

5. Required Electives

Three (3) hours of technical electives must be either EIN 5140 Project Engineering or ESI 5219 Engineering Statistics which are required core requirements in the MSIE program. Another three (3) hours of technical elective may be taken at the 5000 level as a substitute for any of the 3 courses specified in the core requirements for the BSIE.
Students should consult with their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements
None

7. Foreign Language Requirements
Admissions
Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
Graduation
None

8. Electives
None

9. Additional Requirements
None

10. Required Minors
None

11. Departmental Exit Requirements (4 hrs)
EIN 4891C Industrial Engineering Senior Design Project

12. University Minimum Exit Requirements

A 2.0 UCF GPA
60 semester hours earned after CLEP awarded
48 semester hours of upper division credit completed
30 of the last 39 hours of course work must be completed in residency at UCF.
A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Undergraduate Hours Required
128

Total Combined Hours Required
146

Honors In Major
None

Related Programs
None

Certificates
None

Related Minors
None

Advising Notes
The following will be waived for this joint degree program:
The limit of nine hours to be shared between undergraduate and graduate programs.
Undergraduate students taking graduate courses must be within nine hours of graduation

Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester
Undergraduate students are not eligible to take 6000-level courses

Transfer Notes
None

Acceptable Substitutes for Transfer Courses
None

Shared Courses
Up to 12 credit hours of approved 5000 and 6000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either technical elective or course requirements for the major. The 5000 level courses listed in the plan above are examples. Contact the Graduate Coordinator in the Industrial Engineering and Management Systems department for a list of acceptable courses.

Graduate Courses Link
None

Program Academic Learning Compacts
See Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oesa.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

Part-Time Student: $38 per term
Full-Time Student: $77 per term

**Admission Information**

Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester.
Undergraduate students are not eligible to take 6000-level courses.

**Transfer Notes**
None

**Acceptable Substitutes for Transfer Courses**
None

**Shared Courses**
Up to 12 credit hours of approved 5000 and 6000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either technical elective or course requirements for the major. The 5000 level courses listed in the plan above are examples. Contact the Graduate Coordinator in the Industrial Engineering and Management Systems department for a list of acceptable courses.

**Graduate Courses Link**
None

**Program Academic Learning Compacts**
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oesa.ucf.edu/alc/academic_learning_compacts.htm

**Equipment Fees**
Part-Time Student: $38 per term
Full-Time Student: $77 per term

**Mechanical Engineering - Accelerated**
Undergraduate-Graduate Program (B.S.M.E. / M.S.M.E., M.S.M.S.E., M.S.A.E. or M.S.BM.E)
College of Engineering and Computer Science
Department of Mechanical and Aerospace Engineering, Room: 381
http://www.mae.ucf.edu

**Admission Requirements**
See Common Program Prerequisites.
Qualified students may apply after completion of a minimum of 64 credit hours.
Completion of no more than 96 credit hours.
Admission to the Accelerated Program does not guarantee formal admission to the MSME, MSMSE, MSMAE or MSBM program.
Admission is not automatic. Interested students may need to be interviewed.

**Degree Requirements**

**1. UCF General Education Program (GEP) (38 hrs)**
See Mechanical Engineering major in the Catalog for track specific GEP requirements

**A: Communication Foundations**
(9 hrs)

**B: Cultural & Historical Foundations**
(9 hrs)

**C: Mathematical Foundations**
(7 hrs)

**D: Social Foundations**
(6 hrs)

**E: Science Foundations**
(7 hrs)

**2. Common Program Prerequisites (CPP) (19 hrs)**
See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

**3. Core Requirements: Basic Level (2 hrs)**
EGS 1006C Introduction to the Engineering Profession 1 hr
EGN 1007C Engineering Concepts and Methods 1 hr
4. Core Requirements: Advanced Level (63 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 3310 Engineering Analysis-Statics</td>
<td>3</td>
</tr>
<tr>
<td>EGN 3343 Thermodynamics</td>
<td>3</td>
</tr>
<tr>
<td>EGN 3365 Structure and Properties of Materials</td>
<td>3</td>
</tr>
<tr>
<td>EGN 3373 Principles of Electrical Engineering</td>
<td>3</td>
</tr>
<tr>
<td>STA 3032 Probability and Statistics for Engineers</td>
<td>GEP</td>
</tr>
<tr>
<td>EML 3034C Modeling Methods in Mechanical and Aerospace Engineering</td>
<td>3</td>
</tr>
<tr>
<td>EML 3303C Mechanical Engineering Measurements</td>
<td>3</td>
</tr>
<tr>
<td>EGM 3601 Solid Mechanics</td>
<td>3</td>
</tr>
<tr>
<td>EML 3701 Fluid Mechanics I</td>
<td>3</td>
</tr>
<tr>
<td>EML 4142 Heat Transfer</td>
<td>3</td>
</tr>
<tr>
<td>EGN 3321 Engineering Analysis-Dynamics</td>
<td>3</td>
</tr>
<tr>
<td>EML 4225 Introduction to Vibrations and Controls</td>
<td>3</td>
</tr>
<tr>
<td>EML 3500 Design and Analysis of Machine Components</td>
<td>3</td>
</tr>
</tbody>
</table>

Select 2 of the Following: 6 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EML 3101 Thermodynamics of Mechanical Systems or Controls</td>
<td>3</td>
</tr>
<tr>
<td>EML 4143 Heat Transfer II or Intermediates System Dynamics and Controls</td>
<td>3</td>
</tr>
<tr>
<td>EML 4703 Fluid Mechanics II or EML 4504 Design &amp; Analysis of Machine Components II</td>
<td>3</td>
</tr>
</tbody>
</table>

Select 1 of the Following: 3 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EML 4301C Mechanical Systems Lab or EML 4306C Energy Systems Lab</td>
<td>3</td>
</tr>
</tbody>
</table>

5. Restricted Electives

Approved Electives 18 hrs

- Technical electives should be taken at the 5000 level and are available in the BSME program to address specific student interests in a variety of technical areas.
- Restricted electives are intended to ensure that all students have a significant design experience in both mechanical and thermofluids systems. Students should consult with their Department for a list of the approved restricted and technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements (6 hrs)

- These courses are a capstone experience to your engineering program and should be completed in your last 2 major semesters of study.
- CECS encourages all engineering students to take the Fundamentals Exam during their senior year.

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EML 4501C Engineering Design I</td>
<td>3</td>
</tr>
<tr>
<td>EML 4502C Engineering Design II</td>
<td>3</td>
</tr>
</tbody>
</table>

7. Foreign Language Requirements

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

- None

8. Electives

- None

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements (6 hrs)

- None

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Undergraduate Hours Required: 128

Total Combined Hours Required: 146

Honors In Major

- None

Related Programs

- None

Certificates

- None

Related Minors

- None

Advising Notes

- The following will be waived for this joint degree program:
- The limit of nine hours to be shared between undergraduate and graduate programs.
- Undergraduate students taking graduate courses must be within nine hours of graduation.
- Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester.
- Undergraduate students are not eligible to take 6000-level courses.

Career and Academic Advising

- The department requires all students in the program meet with a faculty member for advising on career and academic issues. These courses must be taken in sequence during the 3rd and 4th year.

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EML 3933 Mechanical Career and Academic Faculty</td>
<td>0</td>
</tr>
<tr>
<td>EML 4931 Mechanical Career and Academic Faculty</td>
<td>0</td>
</tr>
</tbody>
</table>

Transfer Notes

- None

Acceptable Substitutes for Transfer Courses

- None

Shared Courses

- Shared B.S.M.E./M.S.M.E., M.S.M.S.E., or M.S.A.E. Up to 12 credit hours of approved 5000 and 6000 level courses with grades of “B” (3.0) or better may be counted towards the B.S. and Masters degrees. These 12 credit hours will meet either technical elective or course requirements for the major. Contact the Graduate Coordinator in the Mechanical and Aerospace Engineering department for a list of acceptable courses.

Graduate Courses Link

- [http://www.graduatecatalog.ucf.edu/content/Courses.aspx](http://www.graduatecatalog.ucf.edu/content/Courses.aspx)

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oecs.ucf.edu/aic/academic_learning_compacts.htm](http://www.oecs.ucf.edu/aic/academic_learning_compacts.htm)

Equipment Fees

- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Nursing - Accelerated Second Degree B.S.N. Option (B.S.N.)

College of Nursing

UTWR, Room: 3rd floor

[http://www.nursing.ucf.edu](http://www.nursing.ucf.edu)

Email: ucfnurse@ucf.edu

Dr. Mary Lou Sole, Dean
Dr. Maureen Covelli, Assoc. Dean Undergraduate
Dr. Kelly Allred, Undergraduate Coordinator
Patricia Leli, Clinical Education Coordinator

Phone: 407-823-2744

For individuals who are not Registered Nurses but who hold a baccalaureate or higher degree from a regionally accredited college or university.
Accelerated Undergraduate-Graduate Programs

Graduates are eligible to take the National Council Licensure Examination for registered nurses (NCLEX-RN). The program is accredited by the Commission on Collegiate Nursing Education (CCNE) and approved by the Florida State Board of Nursing.

Admission Requirements

■ Acceptance to the university does not constitute admission to the upper division nursing program.
■ Separate application to the limited access accelerated second degree Bachelor of Science in nursing (BSN) option must be made directly to the College of Nursing prior to the posted deadline of the year of admission is sought. For application deadlines, please visit http://www.nursing.ucf.edu/.
■ Admission to the university must also be completed by the program application deadline.
■ Students who have never attended the University of Central Florida as degree seeking undergraduate students must apply to the Undergraduate Admissions Office as a second degree-seeking student.
■ Students who have attended the University of Central Florida as degree seeking undergraduate students should apply through the Registrar’s Office. These students complete the “Readmission Application” form.
■ Students must receive a baccalaureate or higher degree from a regionally accredited college or university prior to the start of the program.
■ All applicants must have a minimum overall GPA of 3.0
■ Applicants are encouraged to attend an information session, prior to submitting the application.
■ Criminal background checks including fingerprints are required for all applicants to the undergraduate nursing program. The results are reviewed as part of the admission process and may be grounds for denying a student admission to the College of Nursing.
■ A standardized test and predetermined cutoff score will be required for acceptance to the College of Nursing. Information regarding this test can be found at http://www.nursing.ucf.edu.
■ At least seven (7) of the eight (8) common program prerequisites must be completed by the program application deadline with at least a grade of “C” (2.0) or higher in each course.
■ All 8 prerequisite courses must be completed before program begins.

Degree Requirements

■ Students who change degree programs and select this major must adopt the most current catalog year, including any minors.
■ Students should consult with an advisor in the College of Nursing Undergraduate Student Services Office for clarification of questions regarding prerequisite requirements.
■ A minimum overall GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation and graduation from the nursing program.
■ UCF Residency requirement: 30 hours (if applicable)

1. UCF General Education Program (GEP)

A: Communication Foundations
B: Cultural & Historical Foundations
C: Mathematical Foundations
D: Social Foundations
E: Science Foundations

2. Common Program Prerequisites (CPP) (27 hrs)

■ See “Common Prerequisites” in the Transfer and Transitions Services section for more information. Any variation from the stated prerequisites must be approved in writing by the College of Nursing. Petition forms are available in the College of Nursing office.

Select 1: 3 hrs

STA 2014C Principles of Statistics or STA 2023 Statistical Methods I

Select 1: 3 hrs

SOW 3104 Human Behavior and the Social Environment I or DEP 2004 Developmental Psychology

Select 1: 3 hrs

PSY 2012 General Psychology or SYG 2000 Introduction to Sociology

1. science prerequisite
2. or other approved science prerequisite

3. Core Requirements: Basic Level

■ None

4. Core Requirements: Advanced Level (57 hrs)

■ Any variation from the following must be approved by the College of Nursing.

NUR 3065 Health Assessment 2 hrs
NUR 3065L Health Assessment Lab 1 hr
NUR 3028 Essentials of Nursing Practice 3 hrs
NUR 3028L Essentials of Nursing Practice Lab 1 hr
NUR 3755L Essentials of Nursing Practice Clinical 2 hrs
NUR 3616 Health Promotion Across the Lifespan 2 hrs
NUR 3616L Health Promotion Across the Lifespan Clinical 1 hr
NUR 3125 Pathophysiology for Nursing Practice 3 hrs
NUR 3145 Pharmacology for Nursing Practice 3 hrs
NUR 3225 Nursing Care of the Adult I 3 hrs
NUR 3225L Nursing Care of the Adult I: Clinical Practice 2 hrs
NUR 3816 Professional Nurse Seminar 1 hr
NUR 3445 Nursing Care of Families 4 hrs
NUR 3445L Nursing Care of Families Clinical 2 hrs
NUR 3167 Accelerated Nursing Research Seminar 1 hr
NUR 4227 Nursing Care of the Adult II 4 hrs
NUR 4227L Nursing Care of the Adult II: Clinical Practice 3 hrs
NUR 4829 Accelerated Transitioning into Professional Practice as a Leader 3 hrs
NUR 4257 Introduction to Critical Care Nursing 3 hrs
NUR 4945L Nursing Practicum 4 hrs
NUR 4533 Psychiatric Mental Health Nursing 3 hrs
NUR 4535L Psychiatric Mental Health Clinical 2 hrs
NUR 4637 Public Health Assessment and Health Promotion 3 hrs
NUR 4637L Health Assessment and Health Promotion Clinical 1 hr

1 Students without a research course on transcript must take NUR 3165 (3 hrs)

5. Restricted Electives (3 hrs)

Nursing Elective 3 hrs

■ Students may petition the undergraduate Admission, Progression and Graduation (APG) committee to substitute elective requirement

6. Capstone Requirements

■ None

7. Foreign Language Requirements

Admissions

■ None

Graduation

■ None

8. Electives

■ None

9. Additional Requirements

■ Mandatory Drug Screening is required prior to admission and “on demand” for continuation in the program.
■ Complete all courses in major with at least a “C” (2.0) or “S” grade when appropriate.
■ Maintain a UCF GPA of 2.5 or above
■ Maintain a College of Nursing GPA of 2.5 or above
11. Departmental Exit Requirements
- Completion of all courses in major with a grade of "C" (2.0) or better
- UCF GPA of 2.5 or above
- College of Nursing GPA of 2.5 or above
12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Undergraduate Hours Required
- 60

Honors In Major
- University Honors and Honors in the Major Available
- Open to students with a minimum 3.5 GPA in Nursing.
- Completion of a three credit directed readings course.
- Completion of a three credit thesis course.
- Must earn a minimum cumulative UCF 3.2 GPA.
- Completion of 60 semester hours of college credit, including 12 graded upper division hours at UCF.

Related Programs
- Health Services Administration
- Social Work

Certificates
- None

Related Minors
- Aging Studies
- Psychology
- Health Sciences
- Health Services Administration

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Nursing courses and prerequisite courses transferred from private and out-of-state schools must be evaluated for equivalency credit and approved by the College of Nursing. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- The following substitutions for Common Program Prerequisites may be acceptable if taken prior to transferring to UCF. Courses must be petitioned to the College of Nursing if not automatically approved.
- General Psychology (PSY X012) or a General Psychology course (3 hrs)
- General Sociology (SYG 2000) or an Intro to Sociology course (3 hrs)
- Statistics (STA 2014C or 2023) or a Statistics course (3 hrs)
- General Chemistry (CHM 1032) or another approved chemistry course (3 hrs) or approved science course (3 hrs)
- Human Anatomy and Physiology I & II w/lab (BSC 2093/2094) or (BSC 2085/2086) or an A&P I &II (8 hrs)
- General Microbiology (MCB 3020C) (MCB X010C) w/lab or a Microbiology course w/lab. (4 hrs)
- Developmental Psychology (DEP 2004C) or a Human Growth & Development Across Life Span (3 hrs)
- Human Nutrition (HUN3011 or 2202 or 2201) or a Human Nutrition course (3 hrs)

Shared Courses
- None

Graduate Courses Link
- None

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Accelerated Undergraduate-Graduate Programs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.o eas.ucf.edu/alc/academic_learning_compacts.htm](http://www.o eas.ucf.edu/alc/academic_learning_compacts.htm)

Equipment Fees
- Part-Time Student: $25 per term
- Full-Time Student: $50 per term

Nursing - R.N. to M.S.N. Option (B.S.N./M.S.N.)

College of Nursing
UTWR, Room: 3rd floor
[Faculty and Staff Directory](http://www.ucf.edu/)

An accelerated program culminating in the Bachelor's degree while preparing the student who applies for and is accepted to graduate studies. Available MSN tracks include Nursing Leadership & Management, Nursing Education, and Nurse Practitioner. A separate application to Graduate Studies is required to continue beyond the Bachelor's degree. Admission to graduate studies is limited access and not guaranteed. Nine graduate level credit hours from the RN to MSN program are applied to both the BSN and MSN degrees. Most classes are available online. In person attendance is required for NGR 5003L.

Admission Requirements
- Acceptance to the university does not constitute admission to the RN-MSN program. Separate application to this limited access program must be made. Contact the College of Nursing or visit our website at [http://www.nursing.ucf.edu](http://www.nursing.ucf.edu) for application materials.

All applicants must meet the following criteria:
- Graduate of a state-approved or accredited associate degree or diploma nursing program
- Licensure as a Registered Nurse (RN)
- Completion of UCF general education requirements or an AA degree from a Florida College System institution.
- Completion of prerequisites for the RN to BSN nursing program
- Minimum cumulative UCF GPA of 3.0. (all prior college coursework)
- Admitted to UCF undergraduate program

Interim Requirements:
- Maintain a Nursing GPA of 3.0

Admission Requirements for Graduate Program Phase:
- These requirements should be met one semester before the BSN is awarded.
- Application to and acceptance by UCF Graduate Studies (see Graduate Studies Web site for deadlines)
- Completion of all UCF College of Nursing coursework to date with a minimum GPA of 3.0

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog year, including minors.

- Students should consult with a college advisor or Florida College System AA transfer advisor regarding completion of General Education requirements and the Common Program Prerequisites.
- Students should consult with an advisor in the College of Nursing Undergraduate Student Services Office for clarification of questions regarding prerequisite requirements.
Accelerated Undergraduate-Graduate Programs

The courses designated in sections 1 and 2 below may be taken at a Florida College System or State University System institution.

UCF Residency Requirement: 30 hours

The BSN is awarded after completion of 120 hours including 30 hours of specified program requirements.

The MSN is awarded after completion of graduate program.

The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should be completed in the first 60 hours.

An individualized plan of study is developed for each student admitted to the RN to MSN option.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Preferred SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Preferred MAC 1105C College Algebra 3 hrs
- Required STA 2014C Principles of Statistics 3 hrs

C: Mathematical Foundations (6 hrs)
- Select 1: 3 hrs
  - SYG 2000 Introduction to Sociology or
  - Select 1: 3 hrs
    - PSY 2012 General Psychology 3 hrs

Select 1: 3 hrs
- Preferred ECO 2013 Principles of Macroeconomics or
- Preferred ECO 2023 Principles of Microeconomics or
- Preferred POS 2041 American National Government 3 hrs

1 One of these courses is required to meet General Education requirements.

E: Science Foundations (7 hrs)
- Suggested BSC 2010C Biology I 4 hrs
  - Required CHM 1032 General Chemistry 3 hrs

1 or other approved science. Science Foundation is 6 credit hours for General Education Program. The BSC course is needed as a course prerequisite for Anatomy and Physiology and Health Microbiology. Chemistry is needed as a course prerequisite for Nutrition (HUN 3011), Physiology, and Microbiology.

2. Common Program Prerequisites (CPP) (18 hrs)

See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

MCB 2004C Microbiology for Health Professionals 4 hrs
1 CHM 1032 General Chemistry GEP
2 ZOO Human Anatomy 4 hrs
3733C
3 PCB 3703C Human Physiology 4 hrs
HUN 3011 Human Nutrition 3 hrs

Select 1: 3 hrs
1 STA 2014C Principles of Statistics or
2 STA 2023 Statistical Methods I GEP

Select 1: 3 hrs
1 SOW 3104 Human Behavior and the Social Environment I or
2 DEP 2004 Developmental Psychology 3 hrs

Select 1: 3 hrs
1 PSY 2012 General Psychology or
2 SYG 2000 Introduction to Sociology GEP

1 Or other approved science. Also meets General Education Requirements; applicants should see a UCF Nursing Advisor for possible course substitutions.
2 May take Anatomy and Physiology sequence of six-eight total credits.
3 Also meets General Education Requirements; applicants should see a UCF Nursing Advisor for possible course substitutions.

3. Core Requirements: Basic Level

4. Core Requirements: Advanced Level (30 hrs)
- NUR 3616 Health Promotion Across the Lifespan 2 hrs
- NUR 3805 Dimensions of Professional Nursing Practice 3 hrs
- NUR 3185 Nursing Research 3 hrs
- NUR 4837 Health Care Issues, Policy, and Economics 3 hrs
- NUR 4604L Practicum in Community and Public Health 4 hrs
- NUR 4637 Public and Community Health Nursing 3 hrs

NURSE EDUCATOR / CLINICAL NURSE (12 hrs)

LEADER TRACKS

NURSING LEADERSHIP & MANAGEMENT (12 hrs)

TRACK

1. Takes the following 12 credits (nine graduate credits also applied to MSN)

NUR 5003 Advanced Health Assessment and Diagnostic Reasoning and 2 hrs
1 NUR 5003L Advanced Health Assessment and Diagnostic Reasoning (Lab) and 1 hr
NUR 5141 Pathophysiological Bases for Advanced Nursing Practice and 3 hrs
NUR 4628 Nursing Leadership, Management and Role 3 hrs
NUR 5800 Theory for Advanced Practice Nursing 3 hrs

1 On campus attendance required.

5. Restricted Electives

Upper Division Credit (29 hrs)

- May be met by validation and RN License.
- NUR 3028 Essentials of Nursing Practice 3 hrs
- NUR 3029L Essentials of Nursing Practice Lab 1 hr
- NUR 3225 Nursing Care of the Adult I 3 hrs
- NUR 3225L Nursing Care of the Adult I: Clinical Practice 2 hrs
- NUR 3445L Nursing Care of Families Clinical 2 hrs
- NUR 3755L Essentials of Nursing Practice Clinical 2 hrs
- NUR 4227 Nursing Care of the Adult II 4 hrs
- NUR 4227L Nursing Care of the Adult II: Clinical Practice 3 hrs
- NUR 4535 Psychiatric Mental Health Nursing 3 hrs
- NUR 4535L Psychiatric Mental Health Clinical 2 hrs

6. Capstone Requirements

7. Foreign Language Requirements

Admissions

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam).

Graduation

8. Electives

Variable to meet degree requirements.

9. Additional Requirements

- A criminal background check and mandatory Drug Screening may be required prior to any clinical course and “on demand” for continuation in the program.

10. Required Minors

11. Departmental Exit Requirements

- Completion of all courses in major with a grade of “B” (3.0) or better
- Cumulative GPA of 2.5 or above
- College of Nursing GPA of 2.5 or above
UCF Legal Studies/Barry Law/Touro Law

Accelerated Legal Studies Degree Program
(B.A. / B.S. to J.D.)

College of Health and Public Affairs
Department of Legal Studies,
Health & Public Affairs I, Room: 343
http://www.cohpa.ucf.edu/legalstudies/index.shtml
Email: legalstudies@ucf.edu

Dr. David Slaughter, Program Coordinator
Rupert Neish II, Program Academic Advisor
Phone: 407-823-1670

Students seeking admission to either Barry University Dwayne O. Andreas School of Law in Orlando, Florida, or Touro College Jacob D. Fuchsgberg Law Center in Central Islip, New York, through the accelerated legal studies program will meet all admissions requirements for the above referenced law school(s) and obtain a B.A./B.S. in Legal Studies after completion of the first year of the law school curriculum and all UCF requirements.

Admission Requirements
- Students should apply for selection into this program no later than the end of the first semester of their junior year. Early student applications will also be accepted. Eligibility requirements include being a declared Legal Studies major, SAT score of 1175, high school GPA of 3.6, successful completion of a minimum of 15 credit hours of UCF course work with a 3.2 UCF GPA, completion of at least 33 credit hours of the required coursework in sections 4 and 5 below in residence at UCF, a personal statement essay, two letters of recommendation and a personal interview. More information about the admission and selection process (as well as deadlines for the application process) may be found at http://www.cohpa.ucf.edu/legalstudies/index.shtml.

Degree Requirements
- Students selected by UCF faculty members for participation in the Accelerated Law Program must complete all UCF General Education Program requirements, all requirements for the major (B.A. or B.S.) in Legal Studies, and at least 90 total credit hours towards the baccalaureate degree.
- Participants must maintain a minimum 3.2 overall GPA and cumulative 3.5 GPA in all UCF legal studies coursework. Failure to achieve minimum GPA requirements in any one semester may disqualify a student from further participation in the 3+3 Accelerated Law program.
- Participating students may elect to complete their UCF bachelor’s degree in residence at UCF under the following circumstances: students not accepted by Barry or Touro Law may complete their remaining requirements for graduation from UCF with a bachelor’s degree; students who decide to opt out of the 3+3 Accelerated Law Program may elect to fulfill their remaining requirements for graduation from UCF with a bachelor’s degree; and students who do not successfully complete their first year of course work at law school may elect to return to UCF to fulfill their remaining requirements for graduation from UCF with a bachelor’s degree. Students decelerating to UCF may elect to complete their UCF bachelor’s degree in residence at UCF under the following circumstances: students not accepted by Barry or Touro Law may complete their remaining requirements for graduation from UCF with a bachelor’s degree; and students who do not successfully complete their first year of course work at law school may elect to return to UCF to fulfill their remaining requirements for graduation from UCF with a bachelor’s degree. Students decelerating to UCF are bound by the UCF catalog requirements applicable to the year the student first entered UCF. For students passing some, but not all, of their required first year classes at Barry or Touro, classes successfully completed with a grade of “C” (2.0) or better will transfer back to UCF towards the successful completion of the student’s electives needed for graduation.
- Only courses with grades of “C” (2.0) or better can be transferred to UCF’s legal studies’ program of study.
- Students are required to consult with a departmental advisor each semester at UCF to ensure that student is wholly advised as to all specific program requirements. Failure to meet with a departmental advisor each semester constitutes grounds for dismissal from the Accelerated Law Program.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- C: Mathematical Foundations (6 hrs)
- D: Social Foundations (6 hrs)
- E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)
- None

3. Core Requirements: Basic Level
- None
Accelerated Undergraduate-Graduate Programs

4. Core Requirements: Advanced Level (18 hrs)
   - All core requirements must be completed with a minimum grade of "C" (2.0) to satisfy the major.
   - PLA 3014 Law and the Legal System 3 hrs
   - PLA 3108 Legal Research 3 hrs
   - PLA 3155 Legal Writing 3 hrs
   - PLA 3205 Civil Practice and Procedure 3 hrs
   - PLA 3615 Property and Real Estate Law 3 hrs
   - PLA 4703 Professional Ethics and Liability 3 hrs

5. Restricted Electives (30 hrs)
   Upper Division Restricted Electives 21 hrs
   - 21 additional hours of Legal Studies coursework selected in consultation with an advisor

   Supporting Courses 9 hrs
   - Students pursuing the B.A. degree must complete nine semester hours of supporting courses chosen with the approval of the student's advisor. Students pursuing the B.S. degree must complete fifteen hours of supporting courses chosen with the approval of the student's advisor.

6. Capstone Requirements (3 hrs)
   - Capstone must be completed with a minimum grade of "C" (2.0) to satisfy the major.
   - PLA 4935 Capstone: Legal Issues 3 hrs

7. Foreign Language Requirements

Admissions
   - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
   - Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at college level. Students taking American Sign Language (ASL) to satisfy B.A. foreign language requirement must complete three semesters of ASL classes (ASL I, II and III).

8. Electives
   - If students chose the following electives, they must complete them with a minimum grade of "C" (2.0): PLA 4020, PLA 4240, PLA 4910.

9. Additional Requirements
   - Students in the accelerated program will complete the following courses in their first year at either Barry or Touro Law:

     Barry Law School:
     Fall Semester
     - LAW 5307 Contracts I 3 hrs
     - LAW 5101 Civil Procedure I 3 hrs
     - LAW 5228 Property I 3 hrs
     - LAW 5109 Torts I 3 hrs
     - LAW 5010 Legal Research and Writing I 3 hrs
     Spring Semester
     - LAW 5407 Contracts II 3 hrs
     - LAW 5201 Civil Procedure II 2 hrs
     - LAW 5328 Property II 2 hrs
     - LAW 5209 Torts II 2 hrs
     - LAW 5020 Legal Research and Writing II 3 hrs
     - LAW 5106 Criminal Law 3 hrs

     Touro Law School
     Fall Semester
     - LAW 643 Legal Process I 3 hrs
     - LAW 671 Civil Dispute Resolution and Procedure I 3 hrs
     - LAW 610 Contracts I 3 hrs
     - LAW 615 Torts I 3 hrs
     - LAW 617 Criminal Law I 3 hrs
     Spring Semester
     - LAW 633 Legal Process II 3 hrs
     - LAW 672 Civil Dispute Resolution and Procedure II 3 hrs
     - LAW 611 Contracts II 3 hrs
     - LAW 628 Torts II 3 hrs
     - LAW 631 Property I 3 hrs

10. Required Minors
    - None

11. Departmental Exit Requirements
    - For the accelerated program, the degree is awarded after successful completion of the first year of law school at either Barry or Touro Law and completion of all UCF requirements. All course work must be at the "C" (2.0) level or higher for transfer purposes.
    - The accelerated program student must have completed all of the UCF General Education Program Requirements, all requirements for the Legal Studies Major, and a minimum of 90 combined credit hours of work at UCF before matriculating to law school under this program.
    - Students must earn the equivalent of 120 hours of course work (UCF and Law School (first year or second year of Law School credit hours) before receipt of a UCF Legal Studies Degree.
    - For students decelerating to the 4 year B.A./B.S. program, the student must complete all coursework in the baccalaureate curriculum as shown for a Legal Studies B.A./B.S. degree as specified in the catalog and all university requirements, including the completion of 120 credit hours.

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF.
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Undergraduate Hours Required 120

Honors in Major
    - None

Related Programs
    - Criminal Justice
    - History
    - Political Science
    - English - Pre-Law Track

Certificates
    - None

Related Minors
    - None

Advising Notes
    - None

Transfer Notes
    - None

Acceptable Substitutes for Transfer Courses
    - None

Shared Courses
    - None

Graduate Courses Link
    - None

Program Academic Learning Compacts
    - Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
      http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm
The University offers four specialized degree programs for students who have graduated from a Florida College System institution with an A.S. in the following programs: Applied Science, Criminal Justice Technology, Hospitality Management, and Nursing. Students who wish to transfer to UCF under the provisions of the articulated A.S. programs must meet specific criteria:

1. Students must graduate with the specific program and new A.S. in Fall 2000 or later, (Fall 2003 or later for Criminal Justice) from a Florida public community or state college.

2. Students who have graduated with an A.S. prior to Fall 2000 are not eligible to participate in these programs. The pre-2000 Florida College System institution A.S. programs have slightly different requirements. Students who do not have the new A.S. should complete their general education at the community or state college and then transfer into the appropriate non-A.S. to B.S. program at UCF.

3. Students should select the appropriate major on the on-line application, designating their desire to participate in the articulation agreement.

4. Students earning an Associate in Science have the option of completing the state approved general education program at a Florida community or state college or state university and must request an official transcript with “general education requirements met” on the transcript to be sent to the UCF Registrar prior to their graduating term from the University of Central Florida. Students who chose to complete their general education program at UCF must meet all of UCF’s current course requirements. Students may not be transient in their last 30 of 39 hours at UCF. Students must also meet the State General Education Core requirements.

**ARTICULATED A.S. PROGRAMS**

**Applied Science B.A.S. (A.S. to B.A.S.)**

**College of Undergraduate Studies**

**Regional Campuses Administration,**

12201 Research Parkway, Suite 101


Jennifer Sumner, Jennifer.Sumner@ucf.edu, 407-823-4547

The Bachelor of Applied Science, available at selected sites, provides baccalaureate educational opportunities with a curriculum designed to develop competencies in organizational skills, management, and communication. Emphasis will also be placed on the development of skills in critical thinking, problem solving, and ethical decision-making. Candidates for this program must have earned a statewide articulated A.S. from a Florida College System institution in Fall 2000 or later. Students are allowed to take lower level, general education classes at the campus in Orlando if necessary. Students have the option of completing the state approved general education program at a Florida College System institution or State University and must request an official transcript with “general education requirements met” on the transcript and sent to the UCF Registrar prior to their graduating term from the University of Central Florida. Students who choose to complete their general education program at UCF must meet all of UCF’s current course requirements. Students may not be transient in their last 30 of 39 hours at UCF. Students must also meet the State General Education Core requirements.

**Degree Requirements**

**1. UCF General Education Program (GEP)** (36 hrs)

- Students who change degree programs and select this major must adopt the most current catalog.
- Students should maintain contact with an academic advisor to guarantee timely completion of all requirements including Gordon Rule, Foreign Language Admission, and General Education.

2. **Common Program Prerequisites (CPP)**

- None

3. **Core Requirements: Basic Level** (9 hrs)

   **Select 1:**
   - BUL 3130 Legal and Ethical Environment of Business 3 hrs
   - PLA 3014 Law and the Legal System 3 hrs

4. **Core Requirements: Advanced Level** (9 hrs)

   **Select 1:**
   - ENC 3241 Writing for the Technical Professional 3 hrs
   - ENC 3250 Professional Writing 3 hrs

5. **Restricted Electives** (3 hrs)

   - MAN 3025 Management of Organizations 3 hrs
   - PAD 4104 Administrative Theory 3 hrs

**Admission Requirements**

- Completion of an A.S. degree from a Florida College System institution in Fall 2000 or later including at least 15 hours of transferable general education courses. Other applicants will be given individual review.

**Regional Campuses**

- Gordon Rule prior to graduation from UCF. Students may be required to complete all common program prerequisites for these majors prior to enrollment in upper division course work. To earn a bachelor's degree, students must complete 36 hours of General Education Program.

- Students admitted into these programs must meet the requirements as stated in the programs listed below. Students who change majors out of these programs must adopt the requirements of the most current catalog for the selected major, including the required UCF General Education Program.

- Questions concerning the requirements of these majors should be referred to the appropriate academic department, Regional Campuses Associate Director (407-823-2609), or the College of Undergraduate Studies (407-823-2373).

**Completion of an A.S. degree from a Florida College System institution in Fall 2000 or later including at least 15 hours of transferable general education courses. Other applicants will be given individual review.**
Articulated A.S. Programs

Criminal Justice Track

Take all of the following: 21 hrs
- CCJ 3024 Criminal Justice System and 3 hrs
- CCJ 3014 Crime in America and 3 hrs
- CJC 3510 Prosecution and Adjudication and 3 hrs
- CCJ 3010 Corrections and Penology and 3 hrs
- CJE 4014 Police and Society and 3 hrs
- CCJ 4701 Research Methods in Criminal Justice and 3 hrs
- CCJ 4746 Data Analysis for Criminal Justice 3 hrs

Select 4: 12 hrs
Twelve additional hours of CCJ, CJC, CJE, CIL, or CJT courses, selected with the aid of an academic advisor.

Legal Studies Track

Take all of the following: 18 hrs
- PLA 3014 Law and the Legal System and 3 hrs
- PLA 3108 Legal Research 3 hrs

Select 4: 12 hrs
- PLA 3155 Legal Writing or 3 hrs
- PLA 3205 Civil Practice and Procedure or 3 hrs
- PLA 3277 The Law of Torts or 3 hrs
- PLA 3309 Criminal Procedure or 3 hrs
- PLA 4424 The Law of Contracts or 3 hrs
- PLA 4703 Professional Ethics and Liability 3 hrs

Health Services Administration

Take all of the following: 18 hrs
- HSA 3111 U.S. Health Care Systems and 3 hrs
- HSC 4201 Community Health and 3 hrs
- HSA 4180 Organization & Management for Health Agencies I and 3 hrs
- HSA 4191 Fundamentals of Health Information Technology and 3 hrs
- HSC 4500 Epidemiology 3 hrs

Select 1: 3 hrs
- HSC 4652 Health Law and Ethics or 3 hrs
- HSA 4109 Principles of Healthcare Reimbursement, Insurance, and Managed Care Plans or 3 hrs
- HSA 4702 Health Sciences Research Methods or 3 hrs
- HIM 4508C Quality Management 3 hrs

Information Technology Track

Take all of the following: 21 hrs
- CET 3383 Applied Systems Analysis I and 3 hrs
- CET 4427 Applied Database I and 3 hrs
- ETI 4448 Applied Project Management and 3 hrs
- CET 4748 Wide Area Networks I and 3 hrs
- CET 4749 Wide Area Networks II and 3 hrs
- CET 4663 Computer and Network Security and 3 hrs
- CET 4483 Intro to Local Area Network Technology 3 hrs

Take all of the following: 21 hrs
- CEN 3330 Object Oriented Programming and 3 hrs
- CEN 3024 Software Development I and 3 hrs
- CEN 4025 Software Development II and 3 hrs
- CEN 4910 Software Development Project and 3 hrs
- ETI 4448 Applied Project Management and 3 hrs
- CEN 4802 Software Integration, Configuration, and Testing and 3 hrs
- CEN 4333 Advanced Database Development 3 hrs

Software Development Track

Take all of the following: 21 hrs

6. Capstone Requirements
- None

7. Foreign Language Requirements
Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- As required to complete upper level credit hour requirements.
- Consult with Program Advisor.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- None

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- Consult Program Advisor.

Advising Notes
- Students may use 3 hours of internship as a part of the upper division requirements.

Transfer Notes
- Students have the option of completing the state approved general education program at a Florida College System institution or State University and must request an official transcript with “general education requirements met” on the transcript to be sent to the UCF Registrar prior to the student’s graduating term from the University of Central Florida. Students who choose to complete their general education program at UCF must meet all of UCF’s current course requirements. Students may not be transient in their last 30 of 39 hours at UCF.
- Lower division courses do not substitute for upper division courses.
- Orientation and advising are two of the most valuable tools that a student can use when transferring to UCF. Students should take advantage of both.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oes.ucf.edu/alc/academic_learning_compacts.htm
Criminal Justice - A.S. to B.S. Track (B.S.)
College of Health and Public Affairs
Department of Criminal Justice,
Health and Public Affairs, Room: 311
http://www.cohpa.ucf.edu/crim.jus/
Email: cjadvise@mail.ucf.edu
Cory Watkins
Phone: 407-823-2603

A.S. to B.S. Track (Completion program only for individuals who have a statewide articulated A.S. from a Florida College System institution)

Admission Requirements
- Completion of a Statewide Articulated A.S. in Criminal Justice from a Florida College System institution which is composed of 64 hours of course work, including at least 18 hours of transferable general education courses.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- The courses designated in section 1 below may be taken at a Florida College System institution.
- Students must earn a minimum of 2.0 GPA in the core requirements and the restricted electives.

1. UCF General Education Program (GEP) (36 hrs)
   - Students will complete 18 hours of selected General Education courses. The specific courses will be determined in coordination with General Education courses completed as part of the articulated A.S. and come from the following areas:
     - A: Communication Foundations
     - B: Cultural & Historical Foundations
     - C: Mathematical Foundations
     - D: Social Foundations
     - E: Science Foundations

2. Common Program Prerequisites (CPP)
   - Completed as part of the approved A.S. program
   - See “Common Prerequisites” in the Transfer and Transition Services section.

3. Core Requirements: Basic Level
   - None

4. Core Requirements: Advanced Level (21 hrs)
   - CCJ 3024 Criminal Justice System 3 hrs
   - CCJ 3014 Crime in America 3 hrs
   - CCL 3510 Prosecution and Adjudication 3 hrs
   - CJC 3010 Corrections and Penology 3 hrs
   - CJE 4014 Police and Society 3 hrs
   - CCJ 4701 Research Methods in Criminal Justice 3 hrs
   - CCJ 4746 Data Analysis for Criminal Justice 3 hrs

5. Restricted Electives (27 hrs)
   - 24 additional semester hours of upper division CCJ course work. Seniors can satisfy up to six hours of this requirement with internship and up to six hours with directed independent study; however, the combination of these non-class options shall not exceed nine hours. Program standards must be met to be eligible for either internship or independent study credit.
   - 3 additional semester hours of supporting courses to be selected with and approved by the student's advisor.
   - These courses may vary from student to student depending upon individual needs or objectives, but include selected courses from public administration, legal studies, sociology, statistics, and psychology.

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Students must take a minimum of 36 hours from the department to obtain the UCF degree in Criminal Justice

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 130

Honors in Major
- None

Related Programs
- Legal Studies
- Psychology

Certificates
- Crime Analysis and Crime Mapping
- Criminal Profiling
- Security Management
- Crime Scene Investigation
- Victim Advocacy

Related Minors
- Legal Studies
- Public Administration
- Psychology

Advising Notes
- None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Hospitality Management - A.S. to B.S. Track (B.S.)
Rosen College of Hospitality Management
Department of Hospitality Services,
9907 Universal Boulevard, Orlando, FL 32819
Email: hospitality@mail.ucf.edu
Dr. Abraham Pizam, Dean
Phone: 407-903-8000

Admission Requirements
- Completion of a Statewide Articulated A.S. in Hospitality Management from a Florida College System institution which is composed of 64 hours of course work, including at least 18 hours of transferable general education courses. Course work will be comprised of 18 hours of general education and 42 hours of upper division hospitality management course work as determined by an individual plan of study. Below is a sample plan of study.

Undergraduate Catalog 2016-2017
Articulated A.S. Programs

Degree Requirements
- Students must earn a minimum 2.0 overall GPA in course work taken within the Rosen College of Hospitality Management, and a minimum 2.0 GPA in all courses listed in the common program prerequisites, the basic and advanced core courses, and the restricted electives.
- Students must earn a "C" (2.0) or better in each course listed in the common program prerequisites, the basic and advised cores, and the restricted electives.

1. UCF General Education Program (GEP) (18 hrs)
   - Students will complete 18 hours of selected General Education courses. The specific courses will be determined in coordination with General Education courses completed as part of the articulated A.S. and come from the following areas:
     A: Communication Foundations
     B: Cultural & Historical Foundations
     C: Mathematical Foundations
     D: Social Foundations
     E: Science Foundations

2. Core Requirements: Basic Level (15 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements: Advanced Level (36 hrs)

4. Core Requirements: Advanced Level (36 hrs)
   - Hospitality Management Core 27 hrs
     - HFT 2401 Hospitality Industry Financial Accounting 3 hrs
     - HFT 3431 Hospitality Industry Managerial Accounting 3 hrs
     - HFT 3444 Hospitality Information Systems 3 hrs
     - HFT 3540 Guest Services Management I 3 hrs
     - HFT 4286 Hospitality Communications 3 hrs
     - HFT 4295 Leadership and Strategic Management in Hospitality Industry 3 hrs
     - HFT 4464 Hospitality Industry Finance 3 hrs
     - HFT 4468 Revenue Management in the Hospitality Industry 3 hrs
     - HFT 3940 Internship I 1 hr
     - HFT 4841 Internship II 1 hr
     - HFT 4944 Internship III 1 hr

5. Restricted Electives (15 hrs)
   - Students should select 15 credit hours from the list of Restricted Electives in the Hospitality Management B.S. degree, or select one of the Specialized Tracks.

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   - None

Admissions
- State University System foreign language requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation
- None

9. Additional Requirements
   - It is the responsibility of the student to take whatever steps are necessary to determine if they have been officially dropped from a course. This does not remove the student’s responsibility for dropping courses they do not intend to complete.
   - Final exams will be given during Exam Week only.

10. Required Minors
    - None

11. Departmental Exit Requirements
    - None

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF.
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 124

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- Students must earn a “C” (2.0) or better in each course listed in the common program prerequisites, the basic and advised cores, and the restricted electives.

Transfer Notes
- Florida College System students in the A.S. to B.S. track are required to complete an individual plan of study with the College prior to enrolling in their first semester at UCF.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Rosen College of Hospitality Management.
- A minimum of 30 semester hours must be completed at UCF within the Hospitality major.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Students should take advantage of both.

Acceptable Substitutes for Transfer Courses
- HFT 2401 Hospitality Industry Financial Accounting 3 hrs
- HFT 3431 Hospitality Industry Managerial Accounting 3 hrs
- HFT 3540 Guest Services Management I 3 hrs
- HFT 4286 Hospitality Communications 3 hrs
- HFT 4295 Leadership and Strategic Management in Hospitality Industry 3 hrs
- HFT 4464 Hospitality Industry Finance 3 hrs
- HFT 4468 Revenue Management in the Hospitality Industry 3 hrs
- HFT 3940 Internship I 1 hr
- HFT 4841 Internship II 1 hr
- HFT 4944 Internship III 1 hr

Junior Year - Fall
- HFT 3940 Guest Services Management I 3 hrs
- HFT 3431 Hospitality Industry Managerial Accounting 3 hrs
- HFT 3540 Guest Services Management I 1 hr
- General Education Requirement II 3 hrs
- General Education Requirement III 3 hrs
- General Education Requirement IV 3 hrs
- General Education Requirement V 3 hrs

Junior Year - Spring
- HFT 3940 Guest Services Management I 3 hrs
- HFT 3431 Hospitality Industry Managerial Accounting 3 hrs
- HFT 3940 Internship I 1 hr
- General Education Requirement VI 3 hrs
- Sectoral Studies 3 hrs

Junior Year - Summer
- HFT 4941 Internship II 1 hr
- Sectoral Studies 3 hrs
- Hospitality Restricted Elective 3 hrs

UNIVERSITY OF CENTRAL FLORIDA

Undergraduate Catalog 2016-2017
Articulated A.S. Programs

Nursing - A.S. to B.S.N. Track (B.S.N.)
College of Nursing
UTWR, Room: 3rd floor
http://www.nursing.ucf.edu

Email: ucfnurse@ucf.edu

Dr. Mary Lou Sole, Dean
Dr. Maureen Covelli, Associate Dean
Dr. Stephen Heglund, RN-BSN Coordinator
Phone: 407-823-2744

BSN completion program only for individuals who have a statewide articulated A.S. in Nursing from a Florida public community or state college. (12/2000 or later)

Admission Requirements

- Acceptance to the university does not constitute admission to the upper division nursing program. Separate application to the limited access program must be made directly to the College of Nursing by the posted deadline.

- Admission to the University must be completed by the program application deadline.

- All applicants must have a minimum overall undergraduate GPA of 2.8.

- All applicants must have completed a Statewide Articulated A.S in Nursing from a Florida College System institution (graduation 12/00 or later). Individuals who received an AS in Nursing prior to 12/00 or attended nursing school other than a Florida College System or State University System institution should review the Nursing - RN to BSN Program.

- All applicants must have current Licensure as an RN.

- All applicants must have completed the UCF General Education Program (GEP) requirements or completed an AA degree from a Florida College System or State University System institution or have no more than a total of 9 credit hours remaining to meet UCF General Education and/or Foreign Language graduation requirements.

- At least seven (7) of the eight (8) Common Program Prerequisites must be completed by the program application deadline with at least a grade of “C” (2.0) or better in each course.

- All 8 prerequisite courses must be completed before program begins.

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog year, including minors.

Students should consult with an advisor in the College of Nursing Undergraduate Student Services Office for questions regarding completion of General Education Program requirements and Common Program Prerequisite requirements.

- The courses designated in sections 1 and 2 below may be taken at a Florida College System or State University System institution.

- A minimum overall undergraduate GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation in and graduation from the nursing program.

- UCF Residency Requirement: 30 hours

- The courses designated in sections 1) UCF General Education Program (GEP) and 7) Foreign Language Requirements must be completed prior to enrolling in the third semester in the BSN program. Students may have no more than 9 hours of outstanding coursework in these two areas at the time of admission.

1. UCF General Education Program (GEP) (36 hrs)

   - Communication Foundations (9 hrs)
     Required ENC 1101 Composition I 3 hrs
     Required ENC 1102 Composition II 3 hrs
     Required SPC 1608 Fundamentals of Oral Communication 3 hrs

   - Cultural & Historical Foundations (9 hrs)

2. Common Program Prerequisites (CPP) (18 hrs)

   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

   - CHM 1032 General Chemistry GEP
     HUN 3011 Human Nutrition 3 hrs
     MCB 2004C Microbiology for Health Professionals 4 hrs
     PCB 3703C Human Physiology 4 hrs
     ZOO 1106 Human Anatomy 4 hrs

   - STA 2014C Principles of Statistics or STA 2023 Statistical Methods I GEP

   - SOW 3104 Human Behavior and the Social Environment I or DEP 2004 Developmental Psychology 3 hrs

   - SYG 2000 Introduction to Sociology GEP

   - PSY 2012 General Psychology or


1. (or other Approved Science) Also meets general education requirements; applicants should see a UCF Nursing advisor for possible course substitutions.

2. May take Anatomy and Physiology sequence of eight total credits

3. Also meets general education requirements; applicants should see a UCF Nursing advisor for possible course substitutions.

3. Core Requirements: Basic Level

   - None

4. Core Requirements: Advanced Level (56 hrs)

   - Dimensions of Professional Nursing 3 hrs
   - Practice
   - NUR 3065 Health Assessment 2 hrs
   - NUR 3065L Health Assessment Lab 1 hr
   - NUR 3165 Nursing Research 3 hrs
   - NUR 3616 Health Promotion Across the Lifespan 2 hrs
   - NUR 4337 Health Care Issues, Policy, and Economics 3 hrs
   - NUR 4604L Practicum in Community and Public Health Nursing for RNs 4 hrs

Full-Time Student: $75 per term
Part-Time Student: $37.50 per term

Phone: 407-823-2744
Dr. Stephen Heglund, RN-BSN Coordinator
Dr. Mary Lou Sole, Dean

http://www.nursing.ucf.edu
Articulated A.S. Programs

NUR 4028 Nursing Leadership, Management and Role 3 hrs
NUR 4037 Public and Community Health Nursing 3 hrs
NUR 4035 Pathophysiology for Nursing Practice 3 hrs

Upper Division Credit 29 hrs
NUR 3445L Nursing Care of Families Clinical 2 hrs
NUR 3445L Nursing Care of Families Clinical 4 hrs
NUR 4227L Nursing Care of the Adult II: Clinical Practice 3 hrs
NUR 4227L Nursing Care of the Adult II: Clinical Practice 4 hrs
NUR 3225L Nursing Care of the Adult I: Clinical Practice 2 hrs
NUR 3225L Nursing Care of the Adult I: Clinical Practice 3 hrs

5. Restricted Electives (3 hrs)
NSP/NUR/NGR XXXX Any one upper division nursing elective

6. Capstone Requirements
None

7. Foreign Language Requirements
Admissions
Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to third semester in the BSN program.

Graduation
None

8. Electives
variable to meet degree requirements

9. Additional Requirements
A criminal background check and mandatory Drug Screening may be required prior to any clinical course and “on demand” for continuation in the program.

Progression Requirements:
Prior to third semester in the BSN program: 1) complete general education requirements or A.A. from a Florida College System or State University System institution; and 2) complete foreign language admission requirement.

Other:
Selected courses may be offered at various Orlando and Regional Campuses.
All AS to BSN courses are available online. Some classes and labs are also available in person on select campuses. Clinical practice requirements are completed in the student’s home community. For more information visit http://www.nursing.ucf.edu.

10. Required Minors
None

11. Departmental Exit Requirements
Completion of all courses in major with a grade of “C” (2.0) or better
Cumulative overall GPA of 2.5 or above
College of Nursing GPA of 2.5 or above
This program must be completed in no more than seven years from enrollment in the first BSN course within Core Requirements.

12. University Minimum Exit Requirements
A 2.0 UCF GPA
60 semester hours earned after CLEP awarded
48 semester hours of upper division credit completed
30 of the last 39 hours of course work must be completed in residency at UCF
A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
128

Honors In Major
Contact Program Coordinator or HIM Advisor

Related Programs
Health Services Administration
Social Work

Certificates
Aging Studies

Related Minors
Psychology
Health Sciences
Health Services Administration
Health Information Management

Advising Notes
Students are required to design an individual plan of study with an advisor. Any changes to that plan must be made in consultation with the advisor. Failure to do so may result in a delay of program progression and/or graduation.

Transfer Notes
A maximum of 6 upper division credit hours of Nursing courses may be transferred from another institution.

Acceptable Substitutes for Transfer Courses
None

Plan of Study (30 hrs)
assuming general education, foreign language and nursing prerequisites are complete

Junior Year - Fall
NUR 3805 Dimensions of Professional Nursing Practice 3 hrs
NUR 3125 Pathophysiology for Nursing Practice 3 hrs

Junior Year - Spring
NUR 3028 Essentials of Nursing Practice 3 hrs
NUR 3028L Essentials of Nursing Practice Lab 1 hr
NUR 3805 Dimensions of Professional Nursing Practice 3 hrs
NUR 3125 Pathophysiology for Nursing Practice 3 hrs
NUR 3065L Health Assessment Lab 1 hr

Junior Year - Summer
NUR 4805L Practicum in Community and Public Health Nursing for RNs 4 hrs
NUR 3165 Nursing Research 3 hrs
NUR 4035 Pathophysiology for Nursing Practice 3 hrs

Senior Year - Fall
NUR 4637 Public and Community Health Nursing 3 hrs
NUR 4604L Practicum in Community and Public Health for RNs 4 hrs
NUR 3225L Nursing Care of the Adult I: Clinical Practice 3 hrs

Program Academic Learning Compacts
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oceans.ucf.edu/oac/academic_learning_compacts.htm

Equipment Fees
Part-Time Student: $25 per term
Full-Time Student: $50 per term
COMMON COURSE NUMBERING SYSTEM

Classification of Courses
The University course numbering system is as follows:

0-0999. Sub-collegiate level and not counted in meeting degree requirements.

1000-2999. Freshman- and sophomore-level courses and are designed primarily for these students.

3000-4999. Junior- and senior-level courses (Upper-division). These courses contain advanced undergraduate level material and are designed primarily for undergraduate juniors and seniors.

5000-5999. Beginning graduate and advanced undergraduate level courses. These courses provide more advanced material than that found in undergraduate courses. They are designed primarily for beginning graduate students, but may be suitable for some advanced undergraduate seniors. They are open for registration to all graduate students and those seniors who receive approval of the appropriate Dean(s).

6000-6999. Advanced graduate level courses. These courses are designed to build upon the beginning graduate level courses and to deliver more advanced content and experiences. They are open only to graduate students. (Seniors, within nine hours of graduation that have a minimum 3.0 GPA and do not register for more than twelve hours may request college permission to take a 6000-level class.) Students in 3+2 programs (combined bachelor’s and master’s programs) should check with their adviser before registering for 6000-level courses.

7000-7999. Doctoral-level courses. These courses provide material at the most advanced graduate level. They are restricted to admitted doctoral students only.

8000-8999. Medical School courses. These courses provide material for the Medical School curriculum. They are restricted to students in the Medical School.

Florida’s Statewide Course Numbering System
Courses in this catalog are identified by prefixes and numbers that were assigned by Florida’s Statewide Course Numbering System (SCNS). This numbering system is used by all public postsecondary institutions in Florida and 25 participating nonpublic institutions. The major purpose of this system is to facilitate the transfer of courses between participating institutions. Students and administrators can use the online SCNS to obtain course descriptions and specific information about course transfer between participating Florida institutions. This information is at the SCNS website at http://scns.fldoe.org.

Each participating institution controls the title, credit, and content of its own courses and recommends the first digit of the course number to indicate the level at which students normally take the course. Course prefixes and the last three digits of the course numbers are assigned by members of faculty discipline committees appointed for that purpose by the Florida Department of Education in Tallahassee. Individuals nominated to serve on these committees are selected to maintain a representative balance as to type of institution and discipline field or specialization.

The course prefix and each digit in the course number have a meaning in the SCNS. The listing of prefixes and associated courses is referred to as the “SCNS taxonomy.” Descriptions of the content of courses are referred to as “statewide course profiles.”

General Rule for Course Equivalences
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 non-public postsecondary institutions. Each institution uses “ENC_101” to identify its freshman composition skills course. The Course Prefix “ENC” 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. Equivalences 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 Florida College System institution. The same course is offered at a state university as ENC 2101. A student who has successfully completed ENC 1101 at the 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.

Example of Course Identifier

<table>
<thead>
<tr>
<th>Prefix</th>
<th>Level Code</th>
<th>Century Digit</th>
<th>Decade Digit</th>
<th>Unit Digit</th>
<th>Lab Code</th>
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<tbody>
<tr>
<td>ENC</td>
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<table>
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<th>English Composition</th>
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<th>Freshman Composition Skills I</th>
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<tr>
<td>Lower (Freshman)</td>
<td>Level at this Institute</td>
<td>Freshman Composition Skills</td>
<td>Freshman Composition Skills I</td>
</tr>
</tbody>
</table>

UNIVERSITY OF CENTRAL FLORIDA

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Common Course Numbering System

Exceptions to the General Rule for Equivalency

Since the initial implementation of the SCNS, specific disciplines or types of courses have been excepted from the guarantee of transfer for equivalent courses. These include courses that must be evaluated individually, or courses in which the student must be evaluated for mastery of skill and technique. The following courses are exceptions to the general rule for course equivalencies and may not transfer. Transferability is at the discretion of the receiving institution.

A. Courses not offered by the receiving institution.
B. For courses at non-regionally accredited institutions, courses offered prior to the established transfer date of the course in question.

C. Courses in the 900-999 series are not automatically transferable, and must be evaluated individually. These include such courses as Special Topics, Internships, Apprenticeships, Practica, Study Abroad, Theses and Dissertations.

D. Applied academics for adult education courses.
E. Graduate courses.
F. Internships, apprenticeships, practica, clinical experiences and study abroad courses with numbers other than those ranging from 900-999.

G. Applied courses in the performing arts (Art, Dance, Interior Design, Music, and Theatre) and skills courses in Criminal Justice (academy certificate courses) are not guaranteed as transferable. These courses need evidence of achievement (e.g., portfolio, audition, interview, etc.).

Courses at Nonregionally Accredited Institutions

The SCNS makes available on its home page (http://scnsfldoe.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 Associate Dean, Undergraduate Studies, Millican Hall 210, University of Central Florida, 4000 Central Florida Parkway, Orlando, FL 32816, 407-823-2691 or 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://scnsfldoe.org.

AAD Adult Education
ADV Advertising
AEB Agricultural Economics and Business
AEC Agricultural Education and Communication
AEE Agriculture and Extension Education
AER Automotive Mechanics
AFA African-American Studies
AFH African History
AFR African Studies
AGE Agricultural Engineering
AHM Ahmric Language
AHT Anhric Culture in Translation or Translation Skills
AHW Ahmric Literature (Writings)
AKA Akron Language
AKT Akron Culture in Translation or Translation Skills
AKW Akron Literature (Writings)
ALS Agriculture and Life Sciences
AMH American History
AML American Literature
AMS American Studies
AMT Aviation Maintenance Technology
ANG Anthropology--Graduate
ANS Animal Science
ANT Anthropology
AOM Agricultural Operations Management
APA Applied Accounting
APK Applied Kinesiology
ARA Arabic Language
ARC Architecture
ARD Architectural Design
ARE Art Education
ARH Art History
ARR Auto Body Repair and Refinishing
ART Art
ARV Art, Vocational
ASC Aviation Science: General
AGS Animal Science: General
ASH Asian History
ASL American Sign Language
ASN Asian Studies
AST Astronomy
ATE Animal Science Technology
ATF Aviation Technology: Flight
ATR Athletic Training
ATT Aviation Technology: Theory
AVM Aviation Management
AVS Avionics
AYM Aymara Language
BAN Commercial Banking (AIB Courses Only)
BCA Building Construction Apprenticeships
BBC Basic Clinical Clerkships (Required)
BCH Biochemistry (Biophysics)
BCT Building Construction
BCT Building Construction Trades
BCV Building Construction: Vocational
BME Biomedical Engineering
BMS Basic Medical Sciences
BOT Botany
BRC Banking Related Courses (Not AIB or IFE)
BSC Biological Sciences
BTE Business Teacher Education
BUS Business Law
CAP Computer Applications
CAS Clinical Audiology and Speech Language
Pathology (See SPA)
CAT Catalan Language
CBH Comparative Psychology and Animal Behavior
CCE Civil Construction Engineering
CCJ Criminology and Criminal Justice
CDAA Computer Design/Architecture
CEG Civil Geotechnical Engineering
CEN Computer Software Engineering
CES Civil Engineering Structures
CET Computer Engineering Technology
CGN Civil Engineering
CGS Computer General Studies
CHD Home Economics: Child Development
CHI Chinese
CHM Chemistry
CHR Chiropractic
CHS Chemistry - Specialized
CHT Chinese Culture in Translation or Translation Skills
CHW Chinese Literature (Writings)
CIS Computer Science and Information Systems
CJB College Level Application in Criminal Justice
CJC Corrections
CJD Criminal Justice Development
CJE Law Enforcement
CJJ Juvenile Justice
CJK Criminal Justice Basic Training
(CAJ or Vocational)
CLJ Law & Process
CJT Criminal Justice Technologies
CLA Classical and Ancient Studies
CLP Clinical Psychology
CLT Classical Culture in Translation
CMC Corporate Media Communication
CMM Creek/ Muskogee/Mikasuki
CNT Computer Networks
COA Home Economics: Consumer Affairs
COE Cooperative Education
COM Communication
COP Computer Programming
COS Cosmology
COT Computing Theory
CPO Comparative Politics
CPS Comparative Policy Studies
CPT Cardiopulmonary Technology - See CVT
CRW Creative Writing
CSP Cosmology - Specialized
CST Comparative Studies
CEH Education: Elementary
CEH Education: Emotional/Behavioral Disorders
EAD Dental Assisting
EAC Dental Technology
EDC Dental Laboratory Technology
DER Dental Hygiene
DEM Demography
DEN Dentistry
DEP Developmental Psychology
DES Dental Support
DIE Dietetics
DIG Digital Media
DIM Diesel, Hybrid, and Alternative Fuel Technology
DIS Domestic Security
DTE Dental Laboratory Technology
EAB Experimental Analysis Of Behavior
EAP English As A Second Language for Academic Purposes
EAS Aerospace Engineering
EBD Education: Emotional/Behavioral Disorders
ECH Engineering: Chemical
ECM Engineering: Computer Math
ECO Economics
ECP Economic Problems & Policy
ECS Economic Systems & Development
ECT Education: Career/Technical
ECW Education: Career/Workforce
EDA Educational Administration
EDE Education: Elementary
EDF Education: Foundations and Policy Studies
EUP English As A Second Language
EVA English As A Second Language
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<tr>
<th>Code</th>
<th>Subject</th>
<th>Description</th>
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<td>Education</td>
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<td>EHA</td>
<td>Education: Higher</td>
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<tr>
<td>EDM</td>
<td>Education: Middle School</td>
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<tr>
<td>EDP</td>
<td>Educational Psychology</td>
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<tr>
<td>EDS</td>
<td>Education: Supervision</td>
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<tr>
<td>EEC</td>
<td>Education: Early Childhood</td>
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<tr>
<td>EED</td>
<td>Education: Emotional Disorders - See EBD</td>
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<td>Engineering: Electrical and Electronic</td>
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<td>Electrical/Electronics Repair</td>
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<td>Electronic Engineering Technology</td>
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<td>EEV</td>
<td>Electrical/Electronic: Vocational</td>
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<td>EEX</td>
<td>Educational: Exceptional Child - Core Competencies</td>
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<td>Counselor Education</td>
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<td>EGS</td>
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<td>SNW</td>
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</table>

### Other Courses

- **SON**: Sonography
- **SOP**: Social Psychology
- **SOS**: Soil Science
- **SOW**: Social Work
- **SPA**: Speech Pathology and Audiology
- **SPB**: Sports Business
- **SPC**: Speech Communication
- **SPM**: Sports Management
- **SPN**: Spanish Language
- **SPS**: School Psychology
- **SPT**: Spanish Culture in Translation or Translation Skills
- **SPW**: Spanish Literature (Writings)
- **SRK**: Sanskrit Language
- **SRT**: Sanskrit Culture in Translation or Translation Skills
- **SRW**: Sanskrit Literature (Writings)
- **SSA**: Sub-Saharan African Languages
- **SSR**: Social Studies Education
- **SST**: Sub-Saharan African Culture in Translation or Translation Skills
- **SSW**: Sub-Saharan African Literature
- **STA**: Statistics
- **STS**: Surgical Technology Studies
- **SUR**: Surveying & Related Areas
- **SVL**: Savings and Loan (IFE Courses Only)
- **SVA**: Swahili Language
- **SWS**: Soil and Water Sciences
- **STW**: Swahili Culture in Translation or Translation Skills
- **SWW**: Swahili Literature (Writings)
- **SYA**: Sociological Analysis
- **SYD**: Sociology Of Demography/Area Studies/Sociological Minorities
- **SYG**: Sociology, General
- **SYO**: Social Organization
- **SYP**: Social Processes
- **TAR**: Technical Architecture
- **TAX**: Taxation
- **TCP**: Telecommunications
- **TDR**: Technical Drafting (PSAV Level)
- **THE**: Theatre Studies and General Resources
- **TPA**: Theatre Production and Administration
- **TPP**: Theatre Performance and Performance Training
- **TRA**: Transportation and Logistics
- **TSL**: Teaching English As A Second Language
- **TTE**: Transportation Engineering
- **TUR**: Turkish Languages
- **TUT**: Turkish Culture in Translation or Translation Skills
- **TUV**: Turkish Literature (Writings)
- **URP**: Urban and Regional Planning
- **URS**: Urban and Regional Studies
- **VAR**: Variable-Paced Architecture
- **VEC**: Vegetable Crops
- **VEM**: Veterinary Medicine Professional
- **VIC**: Visual Communication
- **VME**: Veterinary Medicine Graduate
- **VIP**: Vocational Preparatory Instruction
- **VTH**: Vietnamese Language
- **VTT**: Vietnamese Culture in Translation or Translation Skills
- **VTW**: Vietnamese Literature (Writings)
- **WCL**: Ward Clerk
- **WDS**: Weed Science
- **WIS**: Wildlife Science
- **WHO**: World History
- **WOL**: Wolof Language
- **WOT**: Wolof Culture in Translation or Translation Skills
- **WWF**: Wolof Literature (Writings)
- **WST**: Women’s Studies
- **XHO**: Xhosa Language
- **XHT**: Xhosa Culture in Translation or Translation Skills
- **XHW**: Xhosa Literature (Writings)
- **YOR**: Yoruba Language
- **YOT**: Yoruba Culture in Translation or Translation Skills
- **YRW**: Yoruba Literature (Writings)
- **ZOO**: Zoology
Courses Numbered 0-999

Depending upon previous background and test scores earned, individual students may be required to complete more than the minimum number of credits required for graduation in their respective programs. Courses numbered less than 1000 (Statewide Common Course Numbers) are sub-collegiate level and may not be counted in meeting degree credit hour requirements for graduation.

Special Courses

In addition to the regular courses listed in this catalog, special courses may be available. Students should consult their academic advisor for details.

Special Course Undergraduate Graduate
Directed Independent Studies 1906, 2905, 3905, 4906 5907
Directed Independent Research 4912 5917
Special Undergraduate Research IDS 3913, 4914
Special Topics/Seminars 1931, 2930, 3930, 4932, 5937
*Internship, Practicum, Clinical Pract 3940, 4941 5944
Cooperative Education 1949, 2949, 3949, 4949 5949
Honors Undergraduate Thesis 3970H, 4970H 5970
Honors Directed Reading 4903H 5903H
Honors Directed Reading 4904H 5904H
Study Abroad 4955 5957

*These courses may be assigned variable credit. Some may be repeated upon approval.

1 The Special Graduate Courses are primarily for graduate students, but may be taken by advanced seniors with the consent of their deans.

2 Enrollment is limited to those students who are fully admitted to the Graduate Program.

3 Enrollment is limited to those students who are admitted into the Co-op program.

Dual Usage of Credit Hours

With the exception of 3 + 2 programs, courses used to meet the requirements of an undergraduate degree cannot typically also be used to meet the requirements of a graduate program. Students should contact their advisor or college for specific program requirements or additional information.

UCF Course Description Legend

PR: (Prerequisite) A course in which credit must be earned prior to enrollment in the listed course.

CR: (Corequisite) A course that must be taken concurrently with, or prior to, the listed course.

CI: (Consent of the Instructor)

Hours Code

Each course listed is followed by a code that shows hours of credit and contact hours.

Example:

ART 2500C CAH-SVAD 3(2,4)

ART 2500C is offered by the College of Arts and Humanities (CAH), in the School of Visual Arts & Design (SVAD), carries 3 hours of credit but requires 6 contact hours which consist of 2 hours in class and 4 hours laboratory or field work.

Common Course Numbering System

College/School/Department Indicator

Following the course number for each course listed is an indicator denoting the college, school, and department responsible for the course. The college designators are BA = Business Administration, BHC = Burnett Honors College, CAH = Arts & Humanities, COM = College of Medicine, CON = Nursing, COS = Sciences, ECS = Engineering and Computer Science, ED = Education, HPA = Health and Public Affairs, OPT = Optics, RCHM = Rosen College of Hospitality Management, and UGST = Undergraduate Studies/Interdisciplinary Studies. Department indicators are listed below (by college):

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<th>Department</th>
<th>Abbreviation</th>
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ACG 2021 BA-ACCT 3(3,0)
Principles of Financial Accounting: PR: MAC 1105C with a "C" (2.0) or better. Nature of accounting, financial statements, the accounting cycle, assets, current liabilities, long-term debt, and owner's equity; accounting for proprietorships and corporations. Fall, Spring.

ACG 2021H BA-ACCT 3(3,0)
Honors Principles of Financial Accounting: PR: MAC 1105C with a "C" (2.0) or better, and consent of Honors. Same as ACG 2021 with honors level content. Occasional.

ACG 2071 BA-ACCT 3(3,0)
Principles of Managerial Accounting: PR: ACG 2021 & ACG 2071 each with a grade of "C" (2.0) or better. The purpose of this class is to thoroughly familiarize the student with the various uses of accounting information for planning and control. Fall, Spring.

ACG 3082 BA-ACCT 3(3,0)
Accounting For Non-Business Majors: PR: Junior Standing. Accounting and reporting from an investment and managerial decision making perspective. Occasional.

ACG 3131 BA-ACCT 3(3,0)
Intermediate Financial Accounting I: PR: Pre-Accounting or Pre-Finance major & ACG 2021 & ACG 2071 each with a grade of "C" (2.0) or better. Technical knowledge about accounting measurement and disclosure, as well as how financial statements are analyzed and interpreted by external users. Fall, Spring.

ACG 3141 BA-ACCT 3(3,0)
Intermediate Financial Accounting II: PR: Accounting major or minor, ACG 3131 with a grade of "C" (2.0) or better. Accounting theory and practice related to preparation, and interpretation of external financial statements. Fall, Spring.

ACG 3173 BA-ACCT 3(3,0)
Accounting for Decision-Makers: PR: Pre-Business (except Pre-Accounting) major & ACG 2021 & ACG 2071 each with a grade of "C" (2.0) or better. The tax environment on businesses is also explored. Fall, Spring.

ACG 3361 BA-ACCT 3(3,0)
Cost Accounting I: PR: Junior standing. Accounting major or minor, and MAC 1105C, ECO 2013, ECO 2023, ACG 2071, each with a grade of "C" (2.0) or better. Theory and practice of using accounting information for managerial planning, and control as well as in costing, and pricing decisions. Fall, Spring.

ACG 3501 BA-ACCT 3(3,0)
Financial Accounting for Governmental and Nonprofit Organizations: PR: Accounting major or minor, and a grade of "C" (2.0) or better in ACG 3131. Application of financial accounting for governmental and nonprofit organizations. Fall, Spring.

ACG 4252 BA-ACCT 3(3,0)
International Financial and Managerial Accounting: PR: Accounting major or minor, ACG 2021, ACG 2071, each with a "C" (2.0) or better. An examination of environmental factors affecting international accounting standards and multinational corporate operations. Not open to accounting majors. Occasional.

ACG 4284 BA-ACCT 3(3,0)
Financial Reporting for Consolidated Entities: PR: ACG 4141 with a "C" (2.0) or better. Financial reporting practices and issues related to consolidated entities including translation of foreign financial statements. Occasional.

ACG 4401C BA-ACCT 3(3,1)
Accounting Information Systems: PR: Accounting major or minor, ACG 3131 and CGS 2100C, each with a grade of "C" (2.0) or better. Manual and computer-based accounting information systems. Fall, Spring.

ACG 4651 BA-ACCT 3(3,0)
Auditing: PR: Accounting major or minor, ACG 3141 and ACG 4401C, each with a grade of "C" (2.0) or better. The standards, practices, and procedures followed in the audit function. Fall, Spring.

ACG 4671 BA-ACCT 3(3,0)
Internal Auditing: PR: Accounting major or minor, ACG 3131 or ACG 3361, with a "C" (2.0) or better. Theory and practice of internal auditing and the use of internal auditing in organizational control. Fall, Spring.

ACG 4803 BA-ACCT 3(3,0)
Advanced Issues in Financial Accounting: PR: Accounting major and "C" (2.0) or better in ACG 3141, ACG 3361, and ACG 3501. Advanced issues in financial accounting, including consolidations and IFRS. Fall, Spring.

ADV 4382 ED-CFCS 3(3,0)
Teaching Adult Learners in Technical Programs: PR: ECT 3365 or C.I. Planning for and teaching of adult learners in formal & informal technical settings. Fall.

ADV 3008 COS-COMM 3(3,0)
Principles of Advertising: PR: SPE 1609, or SPE 1603C, or COM 1000. Overview of the field of advertising; purposes, techniques, the role of agencies, advertisers and the media. Fall, Spring.

ADV 3912 COS-COMM 3(3,0)
Collaborative Experiential Research Practicum: PR: Either SPC 1608, SPC 1603C or COM 1000, and C.I. Students will work as research assistants in a team, under faculty supervision, and learn first-hand the process of conducting communication/social scientific research. May be used in the degree program a maximum of 2 times. Occasional.

ADV 4101 COS-COMM 3(3,0)
Advertising Copywriting: PR: Ad-PR majors only and ADV 3008 and PUR 4000. Advertising copywriting teaches the development of creative strategies for advertising and emphasizes writing for various media. Fall, Spring.

ADV 4103 COS-COMM 3(3,0)
Radio-Television Advertising: PR: R-TV or Ad-PR Majors or Mass Comm. minors only and ADV 3008 or C.I. Advertising and television advertising sales, including interpretation of rate structures, program audiences, and creative approaches to sponsor needs. Fall, Spring.

ADV 4300 COS-COMM 3(3,0)
Advertising Media Planning: PR: ADV 3008 and Ad-PR major. Advertising media planning and buying, including basic media terms, calculations, and resources. Fall.

AFM 3006 CAH-HIST 3(3,0)
The African Diaspora: Theories and Movements: PR: ENC 1102. Provides a broad understanding of the cultural, social, and political experiences that define the African Diaspora. Fall.

AFA 3102 CAH-HIST 3(3,0)
Introduction to Africana Studies: A Multidisciplinary Approach: PR: ENC 1102. Key issues and methodologies in Africana Studies featuring presentations by representative faculty from various disciplines. Fall, Spring.

AFA 3104 CAH-HIST 3(3,0)
The Black Intellectual Experience: PR: ENC 1102. Interdisciplinary examination of major texts, theories, practices and philosophic foundations in Black intellectual and cultural history. Fall, Spring.

AFA 3244 CAH-HIST 3(3,0)
Africana Social & Cultural Movements: PR: ENC 1102. Analytical look at the role cultural arts played in the emancipation and civil rights efforts that followed the trans-Atlantic slave trade. Occasional.

AFA 3300 CAH-HIST 3(3,0)

AFA 3371 CAH-HIST 3(3,0)
Evolution of Hip Hop: PR: ENC 1102 or C.I. An historical analysis of Hip Hop from its African roots to the present with emphasis on the socio-political implications of this phenomenon. Occasional.

AFA 3371H CAH-HIST 3(3,0)

AFA 3420 CAH-HIST 3(3,0)
Malcolm X, Black Nationalism, and Internationalism: PR: ENC 1102 or C.I. Comprehensive analysis of the social/political thought of Malcolm X and its impact on African political struggles. Fall.

AFA 3850 CAH-HIST 3(3,0)
Researching Africana Heritage and Life: PR: ENC 1102 or C.I. Principles and processes of researching contributions of traditional Africana people and communities. Occasional.

AFA 3955 CAH-HIST 6(6,0)
Study Abroad in Eastern Caribbean: PR: ENC 1102 or C.I. Interdisciplinary study abroad program focuses on the arts and humanities of African diasporic cultures in the Eastern Caribbean. Occasional.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 2020H</td>
<td>History from 1877 to the present</td>
<td>3(3,0)</td>
<td>Permission of Honors and AMH 2010 or C.I. Survey of U.S. History from 1877 to the present. May be taken before AMH 2010. Honor-level content. Fall, Spring.</td>
</tr>
<tr>
<td>AMH 3370</td>
<td>American Economic History I:</td>
<td>3(3,0)</td>
<td>AMH 2010 and AMH 2020, or C.I. An introduction to the economic development of the U.S., with an emphasis on agriculture, labor, industrialization, transportation, and banking. Occasional.</td>
</tr>
<tr>
<td>AMH 3402</td>
<td>History of the South to 1865:</td>
<td>3(3,0)</td>
<td>AMH 2010 or AMH 2020, or C.I. Reconstruction, the &quot;solid South&quot; and the racial dilemma, progressivism for whites only, southern literature, 20th-century economic, political and social changes, and the new Reconstruction. Occasional.</td>
</tr>
<tr>
<td>AMH 3403</td>
<td>History of the South Since 1865:</td>
<td>3(3,0)</td>
<td>AMH 2010 and AMH 2020, or C.I. Reconstruction, the &quot;solid South&quot; and the racial dilemma, progressivism for whites only, southern literature, 20th-century economic, political and social changes, and the new Reconstruction. Occasional.</td>
</tr>
<tr>
<td>AMH 3422</td>
<td>Frontier Florida:</td>
<td>3(3,0)</td>
<td>AMH 2010 and AMH 2020 or C.I. History of Florida from U.S. territory until post-war industrialization. Occasional.</td>
</tr>
<tr>
<td>AMH 3425</td>
<td>Sunbelt Florida:</td>
<td>3(3,0)</td>
<td>AMH 2010 and AMH 2020 or C.I. History of Florida from post-war industrialization to the present. Occasional.</td>
</tr>
<tr>
<td>AMH 3441</td>
<td>History of the Frontier: Eastern America:</td>
<td>3(3,0)</td>
<td>AMH 2010 and AMH 2020 or C.I. The progression of the westward movement from the colonial settlements to the Mississipi, considered as an interpretive approach to American history. Occasional.</td>
</tr>
<tr>
<td>AMH 3442</td>
<td>Frontier: Western America:</td>
<td>3(3,0)</td>
<td>AMH 2010 and AMH 2020, or C.I. The development of the trans-Mississippi West and its impact upon American history. Occasional.</td>
</tr>
<tr>
<td>AMH 3541</td>
<td>Military History To 1800:</td>
<td>3(3,0)</td>
<td>U.S. Military History from 1700 to 1800: AMH 2010 and AMH 2020, or C.I. The development of the trans-Mississippi West and its impact upon American history. Occasional.</td>
</tr>
<tr>
<td>AMH 3547</td>
<td>U.S. Military History Since 1900:</td>
<td>3(3,0)</td>
<td>AMH 2010 and AMH 2020, or C.I. U.S. military history since 1900 emphasizing civil-military relations, warfare, and military developments. Occasional.</td>
</tr>
<tr>
<td>AMH 3558</td>
<td>History of American Law:</td>
<td>3(3,0)</td>
<td>AMH 2010 and AMH 2020, or C.I. The risk of American nationalism, Jacksonian, Democracy, the Mexican War, and sectional conflict. Occasional.</td>
</tr>
<tr>
<td>AMH 3560</td>
<td>Women, Law, and Society in American History:</td>
<td>3(3,0)</td>
<td>AMH 2010, AMH 2020, or C.I. An introduction to the intersection of women and law in American History from the Colonial era to the present. Occasional.</td>
</tr>
<tr>
<td>AMH 3561</td>
<td>American History I:</td>
<td>3(3,0)</td>
<td>AMH 2010, AMH 2020, or C.I. An introduction to the history of North America before the 18th century. Occasional.</td>
</tr>
<tr>
<td>AMH 3562</td>
<td>American History II:</td>
<td>3(3,0)</td>
<td>AMH 2010, AMH 2020, or C.I. An introduction to the history of North America before the 18th century. Occasional.</td>
</tr>
<tr>
<td>AMH 3570</td>
<td>Black American History:</td>
<td>3(3,0)</td>
<td>AMH 2010, AMH 2020, or C.I. The history of Black Americans from Africa, to slavery, to freedom and its limits in pre-World War I America. Occasional.</td>
</tr>
<tr>
<td>AMH 3571</td>
<td>American Economic History II:</td>
<td>3(3,0)</td>
<td>AMH 2010, AMH 2020, or C.I. The history of Black Americans from Africa, to slavery, to freedom and its limits in pre-World War I America. Occasional.</td>
</tr>
<tr>
<td>AMH 3580</td>
<td>Sport in America Since 1945:</td>
<td>3(3,0)</td>
<td>AMH 2010, AMH 2020, or C.I. Sport in America emphasizing the development of professional and collegiate sport since 1945. Fall, Spring.</td>
</tr>
<tr>
<td>AMH 3585</td>
<td>Canadian History:</td>
<td>3(3,0)</td>
<td>Canadian History: AMH 2010, AMH 2020, or C.I. An introduction to Canadian Colonial times and the present, but with emphasis on the period since the British North America Act, 1867. Occasional.</td>
</tr>
<tr>
<td>AMH 3600</td>
<td>Sport in America Since 1945:</td>
<td>3(3,0)</td>
<td>AMH 2010, AMH 2020, or C.I. The history of American sport emphasizing the development of professional and collegiate sport since 1945. Fall, Spring.</td>
</tr>
<tr>
<td>AMH 3610</td>
<td>Sport in America Since 1945:</td>
<td>3(3,0)</td>
<td>AMH 2010, AMH 2020, or C.I. The history of American sport emphasizing the development of professional and collegiate sport since 1945. Fall, Spring.</td>
</tr>
<tr>
<td>AMH 4100</td>
<td>The Atlantic World:</td>
<td>3(3,0)</td>
<td>AMH 2010 and AMH 2020, or C.I. The impact and transforming effect of the Atlantic System on the peoples of Western Europe, Western Africa, the Caribbean and the Americas. Occasional.</td>
</tr>
<tr>
<td>AMH 4140</td>
<td>Jeffersonian America:</td>
<td>3(3,0)</td>
<td>Jeffersonian America: AMH 2010 and AMH 2020, or C.I. The Confederation era, the Federalists, Jeffersonian Democracy, and the War of 1812. Occasional.</td>
</tr>
<tr>
<td>AMH 4160</td>
<td>Jacksonian America:</td>
<td>3(3,0)</td>
<td>Jacksonian America: AMH 2010 and AMH 2020, or C.I. American nationalism, Jacksonian, Democracy, the Mexican War, and sectional conflict. Occasional.</td>
</tr>
<tr>
<td>AMH 4170</td>
<td>Civil War and Reconstruction:</td>
<td>3(3,0)</td>
<td>Civil War and Reconstruction: AMH 2010 and AMH 2020, or C.I. Reconstruction, and impact of industrialism. Occasional.</td>
</tr>
<tr>
<td>AMH 4201</td>
<td>The Gilded Age and Progressivism:</td>
<td>3(3,0)</td>
<td>The Gilded Age and Progressivism: AMH 2010 and AMH 2020, or C.I. The rise of conservatism, end of the Cold War. Occasional.</td>
</tr>
<tr>
<td>AMH 4270</td>
<td>United States History:</td>
<td>3(3,0)</td>
<td>United States History: AMH 2010 and AMH 2020, or C.I. The progressive reforms of Woodrow Wilson, World War I, post-war prosperity, the Depression, the New Deal, and the coming of World War II. Occasional.</td>
</tr>
<tr>
<td>AMH 4280</td>
<td>United States History:</td>
<td>3(3,0)</td>
<td>United States History: AMH 2010 and AMH 2020, or C.I. The progressive reforms of Woodrow Wilson, World War I, post-war prosperity, the Depression, the New Deal, and the coming of World War II. Occasional.</td>
</tr>
<tr>
<td>AMH 4273</td>
<td>United States History:</td>
<td>3(3,0)</td>
<td>United States History: AMH 2010 and AMH 2020, or C.I. The progressive reforms of Woodrow Wilson, World War I, post-war prosperity, the Depression, the New Deal, and the coming of World War II. Occasional.</td>
</tr>
</tbody>
</table>
ANG 5166 COS-ANTHRO 3(3,0)
Problems in Maya Studies: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. In-depth study of current methodological, theoretical, and/or topical problems in Maya Studies. Occasional.

ANG 5167 COS-ANTHRO 3(3,0)
Maya Hieroglyphs: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. The study of Maya writing, the structure of Maya hieroglyphs, and the significance of translations to reconstructions of ancient Maya culture. Occasional.

ANG 5191 COS-ANTHRO 3(3,0)
Mortuary Archaeology: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Funerary customs and human remains; basic data collection; skeletal analysis, and comparative study of mortuary ritual-ancient and modern. Occasional.

ANG 5228 COS-ANTHRO 3(3,0)
Maya Iconography: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Study and interpretation of ancient Maya iconography as reflected in art, artifacts, and constructed features. Odd Spring.

ANG 5272 COS-ANTHRO 3(3,0)
Culture, Inequality and Global Development: PR: Admission to Anthropology MA, Maya Studies graduate certificate, or C.I. Anthropology of inequality in the world system from an anthropological perspective. Occasional.

ANG 5301 COS-ANTHRO 3(3,0)
Anthropology of Tourism: PR: Admission to Anthropology MA, Maya Studies graduate certificate, or C.I. Anthropology of tourism in U.S. and world regions, including impacts on local peoples, cultures, and environments. Occasional.

ANG 5486 COS-ANTHRO 3(3,0)
Quantitative Research in Anthropology: PR: Admission to the MA in Anthropology program, Maya Studies graduate certificate, or C.I. Quantitative approaches to problems in anthropology, including multivariate systems, assessment of reliability, and approaches for small samples. Even Fall.

ANG 5525C COS-ANTHRO 4(3,1)
Human Osteology: PR: Admission to the Anthropology MA program or C.I. The human skeleton and the methodology and techniques involved in the anthropological assessment of skeletal remains. Fall.

ANG 5531 COS-ANTHRO 3(3,0)
Nutritional Anthropology: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. The biological, social, cultural, psychological, and environmental influences of food and nutrition on physiological status. Perspectives are cross-cultural, evolutionary, ecological. Occasional.

ANG 5620 COS-ANTHRO 3(3,0)
Language and Culture: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Language as an integral part of human culture and behavior, focusing on oral and written cultural issues that affect cultural competency. Occasional.

ANG 5738 COS-ANTHRO 3(3,0)
Advanced Medical Anthropology: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Advanced topics in ethnography of medical traditions and anthropological approaches to the study of health and disease. Occasional.

ANG 5742 COS-ANTHRO 3(3,0)
Problems in Forensic Anthropology: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Current issues and topics in forensic anthropology. Even Spring.

ANG 5822 COS-ANTHRO 3(3,0)
Maya Field Research: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Practical application of method and theory during primary in-field research in the Maya area. Spring.

ANG 2000 COS-ANTHRO 3(3,0)
General Anthropology: An introductory survey of the four major subfields of anthropology, Social Anthropology, Physical Anthropology, Linguistics, and Archaeology. Fall, Spring.

ANG 2000H COS-ANTHRO 3(3,0)

ANG 2140 COS-ANTHRO 3(3,0)
Archaeology and the Rise of Human Culture: The evolution of human society from foraging and hunting groups to the earliest cities and states. Fall, Spring.

ANG 2410 COS-ANTHRO 3(3,0)
Cultural Anthropology: Global Perspectives, Local Reality: An introduction to human diversity as exemplified among various cultures and ethnic groups. Fall, Spring.

ANG 2511 COS-ANTHRO 3(3,0)
The Human Species: Human biological variation in an evolutionary perspective. Fall, Spring.

ANG 2511H COS-ANTHRO 3(3,0)
Honors The Human Species: PR: Permission of Honors. Human biological variation in an evolutionary perspective. Fall.

ANG 2511L COS-ANTHRO 1(0,1)
Physical Anthropology Lab: PR: or C.R. ANT 2511 or C.I. General overview of physical anthropology laboratory methods. Fall, Spring.

ANG 3026 COS-ANTHRO 3(3,0)
Mummies, Zombies, and Vampires: Anthropology of the Undead: PR: Sophomore standing. Anthropological exploration into the phenomenon of the undead (namely, zombies, vampires and mummies) and our fascination with this subject. Occasional.

ANG 3106 COS-ANTHRO 3(3,0)
Archaeology and Popular Culture: PR: Sophomore standing. How the ancient past and archaeology appear in popular culture and are manipulated and used by modern societies. Occasional.

ANG 3107 COS-ANTHRO 3(3,0)
Blood and Valor in the Viking World: PR: Sophomore standing, or C.I. Examines anthropological and archaeological themes of Norse daily life, belief systems, mortuary treatment, material culture, and culture contact among Viking Age societies. Odd Spring.

ANG 3142 COS-ANTHRO 3(3,0)
Old World Prehistory: PR: Sophomore standing. A comparative study of social evolution in Africa, Europe, and Asia from the earliest humans to the beginnings of recorded history. Fall.

ANG 3145 COS-ANTHRO 3(3,0)
Archaeology of Complex Societies: PR: ANT 2140 or C.I. Theoretical perspectives on ancient hierarchies of power. Fall, Spring.

ANG 3148 COS-ANTHRO 3(3,0)
Life and Death in Ancient Egypt: PR: Sophomore standing. Use of archaeological and physical anthropology to examine the lives and death of both common citizens and royalty in Ancient Egypt (3200 B.C.E.-AD 600). Spring.

ANG 3152 COS-ANTHRO 3(3,0)
Cliffs, Canyons, and Deserts: Ancient Societies of the Greater Southwest: PR: Sophomore Standing or C.I. The precolonial history of the Native peoples of the U.S. Southwest, from the region’s first colonists to Puebloan and Navajo groups of the Contact era. Even Fall.

ANG 3154 COS-ANTHRO 3(3,0)
A Survey of American Historical Archaeology: PR: Sophomore Standing or C.I. Examines historical archaeology of the United States from the arrival of Europeans through the early 20th century to understand America’s history using archaeological principles. Even Fall.

ANG 3158 COS-ANTHRO 3(3,0)
Florida Archaeology: PR: Sophomore standing. Florida’s history from prehistoric to European contact including archaeological periods, cultural areas, and artifacts. Spring.

ANG 3160 COS-ANTHRO 3(3,0)
Americas Before Columbus: PR: Sophomore standing. Archaeological developments of North, Central, and South America from the hemisphere’s initial colonizing through the advent of European cultures. Occasional.

ANG 3161 COS-ANTHRO 3(3,0)
Ancient Mexico: Aztec to Zapotec: PR: Sophomore Standing or C.I. Achievements of civilizations in Mexico (Olmec, Zapotec, Aztec) as well as lesser known archaeological cultures. Occasional.

ANG 3163 COS-ANTHRO 3(3,0)
Mesoamerican Archaeology: PR: Sophomore standing. An introduction to the prehistory of Mexico, Guatemala and upper Central America from earliest times through the Spanish conquest. Fall.

ANG 3164 COS-ANTHRO 3(3,0)
Ancient Incas: PR: Sophomore standing, or C.I. The ancient Inca civilization, including examination of pre-Inca cultures and modern Andeans. Uses archaeological, ethnohistorical, historical, and contemporary anthropological sources. Spring.

ANG 3165 COS-ANTHRO 3(3,0)
Archaeology of Society: PR: ANTH 2140, or C.I. Civilizations of South America from the last ten thousand years, focusing primarily on civilizations of the Andes and other areas. Occasional.

ANG 3168 COS-ANTHRO 3(3,0)
Maya Archaeology: PR: Sophomore standing. An examination of the Prehistoric Maya culture focusing on both the archaeology and current issues in the field. Occasional.

ANG 3169 COS-ANTHRO 3(3,0)
Life and Death in the Ancient Andes: PR: ANT 2511 or Sophomore Standing. Demonstrates the potential of human skeletal remains for reconstructing past lifeways in the ancient Andean civilizations of South America (Peru and Bolivia). Occasional.

ANG 3173 COS-ANTHRO 3(3,0)
Archaeology of Sex: PR: Sophomore standing. Cross-cultural concepts of sex, sexuality, and sexual identities throughout human history from an anthropological perspective. Spring.

ANG 3174 COS-ANTHRO 3(3,0)
Battlefield Archaeology: PR: Sophomore Standing or C.I. Provide students an anthropological perspective of military combat and military history from the Classic period to the early 20th century. Odd Fall.

ANG 3177 COS-ANTHRO 3(3,0)

ANG 3179 COS-ANTHRO 3(3,0)
Australian Archaeology and Indigenous Peoples: PR: Sophomore standing or C.I. Explore Indigenous peoples, both past and present, through historical and maritime archaeology, as a means of revealing the full breadth of Australia’s rich indigenous cultures. Odd Fall.

ANG 3212 COS-ANTHRO 3(3,0)

ANG 3241 COS-ANTHRO 3(3,0)
Magic, Ritual, and Belief: PR: Sophomore standing. Patterns in religious behavior in various societies, with primary emphasis on myth, rite, taboo, and festival social phenomena. Fall, Spring.

ANG 3245 COS-ANTHRO 3(3,0)
Native American Religions: PR: Sophomore standing. The religious beliefs of native New World peoples. Fall, Spring.
ANT 4483 COS-ANTHRO 3(3,0) Health and Healing in the Ancient World: An Anthropological Perspective: PR: ANT 2511 or junior standing. A history of health and healing in the human past and how archaeologists can determine patterns and changes over time. Odd Spring.

ANT 4516 COS-ANTHRO 3(3,0) Human Biological Diversity: PR: ANT 2511 or BSC 2010C or C.I. Human biological variation and adaptation. Spring.

ANT 4521 COS-ANTHRO 3(3,0) Forensic Anthropology: PR: One of the following: ANT 2511, GHS 3501, any 4000 level Criminal Justice class, or C.I. The study of human skeletal remains in relation to a legal context. Fall.

ANT 4525C COS-ANTHRO 4(3,1) Human Paleontology: PR: One of the following: ANT 4521, ZOO 3713C, ZOO 3733C, or C.I. The scientific study of the human skeleton and the methodology and techniques involved in the anthropological assessment of skeletal remains. Fall.


ANT 4586C COS-ANTHRO 3(2,1) Human Origins: PR: ANT 2511 or C.I. The fossil evidence for human evolution from Miocene hominoids through the australopithecines and the earliest members of the genus Homo. Fall, Spring.

ANT 4702 COS-ANTHRO 3(3,0) Culture, Inequality and Global Development: PR: Sophomore Standing or C.I. Anthropological perspective on origins and contemporary ramifications of underdevelopment and disempowerment in the world system. Occasional.


ANT 4824 COS-ANTHRO 9(0,9) Advanced Archaeological Fieldwork: PR: Students admitted only with permission of instructor. Supervised archaeological fieldwork. Spring.

ANT 4852 COS-ANTHRO 3(3,0) GIS Methods in Anthropology: PR: Junior standing or C.I. An overview to Geographic Information Systems (GIS) methods from an anthropological perspective. Even Fall.

ANT 4854 COS-ANTHRO 3(3,0) Advanced GIS Methods in Anthropology: PR: ANT 3802 or C.I. Advanced methods to Geographic Information Systems (GIS) from an anthropological perspective. Odd Spring.

APK 3132 ED-E&HS 3(3,0) Triathlon Training and Performance: PR: PFM 2104 Personal Fitness or C.I. Triathlon concepts, training, and performance, leading to the development of optimal fitness and an improved healthy lifestyle. Occasional.


APK 4110C ED-E&HS 3(2,1) Exercise Physiology: PR: Admission to the Sport and Exercise Science Program or Fitness Training Minor, BSC 2010C or equivalent, ZOO 3733C or ZOO 3733C or equivalent, and minimum overall 2.5 GPA. Metabolic, neuromuscular, respiratory and cardiovascular physiological concepts and principles with practical application to sport and exercise science. Fall, Spring.

ARA 1120C CAH-LANG 4(4,1) Honors Elementary Arabic Language and Civilization I: PR: ARA 2200 or equivalent to Arabic language skills. Open only to students with no experience in the language. Honors level content. Occasional.


ARA 2200 CAH-LANG 3(3,1) Intermediate Arabic Language and Civilization I: PR: ARA 1121C or C.I. Development of language skills and cultural knowledge at the intermediate level. Occasional.

ARA 2201 CAH-LANG 3(3,0) Intermediate Arabic II: PR: ARA 2200 or equivalent to Arabic cultures. Fall, Spring.

ARC 3181 CAH-SVAD 3(3,0) Advanced Topics in Digital Architecture: PR: Completion of Articulated Pre-Major: Architecture A.A. at Valencia College West or C.I. Continued investigation of computer-aided design programs currently utilized by professional practices. Odd Spring.

ARC 3270 CAH-SVAD 3(3,0) Professional Practice in Architecture: PR: ARC 3320L or C.I. Professional architecture practices in conjunction with supervised experiences at local, central Florida firms. Occasional.

ARC 3310C CAH-SVAD 3(1,3) Parametric Modeling and Fabrication: PR: ARC 2160 (offered through Valencia College) or equivalent. Computer-aided hardware and software utilized in the professional practice of architecture. Odd Fall.

ARC 3322L CAH-SVAD 6(0,9) Architectural Design 5: PR: Completion of Articulated Pre-Major: Architecture A.A. at Valencia College West or C.I. Investigates architectural design and its relationship to regional contextual influences through a range of projects which vary in scale and complexity. Even Fall.

ARC 3322L CAH-SVAD 6(0,9) Architectural Design 6: PR: ARC 3320L. Architectural design with a large scale urban context. Theory, methodology, and evolution of urban form in response to social, cultural, economic and technological forces. Odd Spring.

ARC 3463 CAH-SVAD 3(3,0) Materials and Methods of Construction 2: CR: ARC 4323L. Methods of assembling and selecting materials; detailed systems of construction will be investigated. Even Spring.

ARC 3503 CAH-SVAD 3(3,0) Architectural Structures: PR: Completion of Articulated Pre-Major: Architecture A.A. at Valencia College West or C.I. Principles of structural behavior in understanding gravity and lateral forces. Considers structural layout, load distribution, and preliminary design techniques; and examines contemporary structural systems through case studies. Even Fall.

ARC 3610 CAH-SVAD 3(3,0) Environmental Technology 1: CR: ARC 3321L. Principles and practices relating to control of the thermal, atmospheric environment and plumbing in buildings. Odd Spring.

ARC 3743 CAH-SVAD 3(3,0) Architectural History 3: CR: ARC 3320L. Social, historical, material, technological, and cultural forces on design and construction from 1850, including architect's role in civil society and theoretical positions of architects and architectural schools. Even Fall.

ARC 4220 CAH-SVAD 3(3,0) Architectural Theory 2: CR: ARC 4322L. Investigates the theoretical, historical and ideological ideas in architecture that took place during the early decades of the twentieth century. Odd Fall.

ARC 4322L CAH-SVAD 6(0,9) Architectural Design 7: PR: ARC 3321L. Control over architectural processes to solve design needs through appropriate program development and construction technology. Complete building as a final product, emphasizing on urban and suburban housing projects. Odd Fall.

ARC 4323L CAH-SVAD 6(0,9) Architectural Design 8: PR: ARC 4322L. Architecture designs focus on architectural detail and articulation. An investigation of landscape provides the context for this study. Even Spring.

ARC 4620 CAH-SVAD 3(3,0) Environmental Technology 2: CR: ARC 4322L. PR: ARC 3810 or C.I. Fundamentals of architectural lighting, acoustics, electrical power distribution and building communications. Odd Fall.

ARE 2000 ED-TL&L 3(3,0) Early Childhood Art and Creativity: An examination of developmental patterns in children’s artistic behaviors and appropriate instructional strategies to be implemented. Occasional. M&S fee $5.00

ARE 3935 CAH-SVAD 12(0,12) Community Arts Internship: PR: C.I. An on-site in-depth experience for community arts majors with a concentration in administration, education, or therapeutic Community Arts Practicum: PR: C.I. A supervised experience. Open only to students with experience for student to facilitate art programming in a variety of community settings. Occasional.

ARE 4250 ED-TL&L 3(3,0) Art for Exceptionalities: PR: Admission to the College of Education, Art Education Program or C.I. Concepts, principles, and methods of integrating art processes into the education of students with physical, emotional, and mental exceptionalities. Spring.

ARE 4260 CAH-SVAD 3(3,0) Methods in Art Administration: PR: ARH 3820. Theories and methodologies for implementing and administering art programs for a variety of populations. Occasional.

ARE 4351 ED-TL&L 3(3,0) Teaching Art in the Elementary School: PR: Admission into the Art Education Program or Art Education Minor. Transition from university art studio practices to public school teaching of art. Organizing, designing and analyzing art experiences, activities and classroom environments for the elementary school classroom. Fall. M&S fee $5.00

ARE 4352 ED-TL&L 3(2,1) Teaching Art in the Secondary School: PR: Admission into the Art Education Program or Art Education Minor. Transition from university art studio practices to High School Teaching of art. Organizing, designing and analyzing art experiences and activities appropriate for junior high and high school children. Examination of teaching methodology related to the high school and junior high school settings. Spring. M&S fee $5.00

ARE 4356 ED-TL&L 3(3,1) Teaching Art Appreciation & Criticism in the Classroom: PR: ARH 2050 and ARH 2051. An examination of art appreciation programs and concepts toward planning curriculum for the study of art history, popular art, art criticism, and aesthetics for specific educational settings. Fall. M&S fee $8.00
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Prerequisites</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 2050</td>
<td>History of Western Art I: Painting, sculpture and architecture from the Prehistoric Era through the Renaissance</td>
<td>Fall, Spring</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>ARH 2050H</td>
<td>Honors History of Western Art I: PR: Permission of Honors. Painting, sculpture and architecture from the Prehistoric Era through the Renaissance, with honors content.</td>
<td></td>
<td>3(3,0)</td>
</tr>
<tr>
<td>ARH 2051H</td>
<td>Honors History of Western Art II: PR: Permission of Honors. Painting, sculpture and architecture from the Prehistoric Era through the Renaissance, with honors content.</td>
<td></td>
<td>3(3,0)</td>
</tr>
<tr>
<td>ARH 2500</td>
<td>History of Non-Western Art: Major visual arts in various non-Western cultures.</td>
<td>Fall, Spring</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>ARH 3471</td>
<td>Art in the Last 25 Years: PR: ARH 2050 and ARH 2051 or C.I. A seminar for upper-level art students to examine current trends in the visual arts.</td>
<td></td>
<td>3(3,0)</td>
</tr>
<tr>
<td>ARH 3600</td>
<td>American Art: PR: ARH 2050 and ARH 2051 or C.I. Surveys American Art from 1900. Leading artists are identified and representative examples of their work are discussed within the context of major themes, patterns, sources, Occasional.</td>
<td></td>
<td>3(3,0)</td>
</tr>
<tr>
<td>ARH 3631</td>
<td>African-American Art: PR: ENC 1102 or C.I. Historical survey of art produced by working artists of African heritage and representations of African-American life by these and other artists. Occasional.</td>
<td></td>
<td>3(3,0)</td>
</tr>
<tr>
<td>ARH 3632H</td>
<td>Honors African-American Arts Seminar: PR: Permission of Honors. An exploration of traditional, academic, and contemporary urban African American visual arts. Occasional.</td>
<td></td>
<td>3(3,0)</td>
</tr>
<tr>
<td>ARH 3670</td>
<td>20th Century Latin American Art: PR: ARH 2050 and ARH 2051 or C.I. Art of the modern era (1920 to 1990) in the Caribbean and South America. Issues and characteristics of art as they reflect the cultural evolution of Latin America. Occasional.</td>
<td></td>
<td>3(3,0)</td>
</tr>
<tr>
<td>ARH 3673</td>
<td>Modern Art of Mexico: PR: ARH 2050 or ARH 2051 or C.I. Modern art of Mexico from the Mexican Academy post-independence to the 1980's. Occasional.</td>
<td></td>
<td>3(3,0)</td>
</tr>
<tr>
<td>ARH 3674</td>
<td>Latin American Popular Visual Culture: PR: ANT 4332 or C.I. Latin American popular culture beyond &quot;fine art,&quot; produced in Latin America, the United States, and the Caribbean. Odd Spring.</td>
<td></td>
<td>3(3,0)</td>
</tr>
<tr>
<td>ARH 3683</td>
<td>Southern Folk Arts: PR: Junior Standing or C.I. This course will explore contemporary issues related to folk art including definition, collecting, marketing, art criticism, tradition, innovation, and its relationship to the so-called fine arts and popular arts. Occasional.</td>
<td></td>
<td>3(3,0)</td>
</tr>
<tr>
<td>ARH 3710</td>
<td>History of Photography I: PR: Junior Standing or C.I. History of still photography from its earliest inception to 1900. The content of this course is designed for art majors. Occasional.</td>
<td></td>
<td>3(3,0)</td>
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<tr>
<td>ARH 3713</td>
<td>20th Century Photographic History: PR: Junior Standing. The history of the evolution of still photography from the early 20th century to contemporary practice. Occasional.</td>
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<td>3(3,0)</td>
</tr>
<tr>
<td>ARH 3720</td>
<td>History of Prints: PR: ARH 2050 and ARH 2051 or C.I. History of printmaking in the Western world, surveying works by the &quot;great printmakers.&quot; Occasional.</td>
<td></td>
<td>3(3,0)</td>
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<tr>
<td>ARH 3728</td>
<td>History of Illustration: PR: ARH 2050 and ARH 2051. Western Illustration from ancient and medieval manuscripts through nineteenth century cartoon, caricature, book, magazine illustration, and advertising. Occasional.</td>
<td></td>
<td>3(3,0)</td>
</tr>
<tr>
<td>ARH 3820</td>
<td>Visual Art Administration Vistas: PR: Junior Standing or C.I. Grant applications. Personal, copyright laws; museum practices, etc. Occasional.</td>
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<td>3(3,0)</td>
</tr>
<tr>
<td>ARH 3842</td>
<td>Art History Abroad: Italy: PR: ARH 2050 and ARH 2051 or C.I. Meets in Italy and explores Italian art, architecture, artists, patrons, and culture from the Roman period through the late Baroque. Occasional.</td>
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<td>3(3,0)</td>
</tr>
<tr>
<td>ARH 3888</td>
<td>Art of Walt Disney: PR: ENC 1102 or C.I. Examines the animation, art, and architecture of Disney. Occasional.</td>
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<td>3(3,0)</td>
</tr>
<tr>
<td>ARH 4130</td>
<td>Greek Art and Architecture: PR: ARH 2050 and ARH 2051. Examines the art and architecture of ancient Greece from the Bronze Age through the end of the Hellenistic period. Occasional.</td>
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<td>3(3,0)</td>
</tr>
<tr>
<td>ARH 4150</td>
<td>Roman Art and Architecture: PR: ARH 2050 and ARH 2051. Examines Roman art and architecture from its Etruscan origins through Constantinian. Occasional.</td>
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<td>3(3,0)</td>
</tr>
<tr>
<td>ARH 4200</td>
<td>Medieval Art: PR: ARH 2050 and ARH 2051. Medieval Art from the 6th through 14th centuries, including painting, architecture, sculpture and illuminated manuscripts. Occasional.</td>
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<td>3(3,0)</td>
</tr>
<tr>
<td>ARH 4310</td>
<td>Italian Renaissance Art: PR: ARH 2050 and ARH 2051 or C.I. Italian Art and architecture from 1300 to 1600. Occasional.</td>
<td></td>
<td>3(3,0)</td>
</tr>
<tr>
<td>ARH 4350</td>
<td>Baroque Art: PR: ARH 2050 and ARH 2051 or C.I. A survey of European Art in the 17th and 18th centuries. Occasional.</td>
<td></td>
<td>3(3,0)</td>
</tr>
<tr>
<td>ARH 4352</td>
<td>Baroque Art: PR: ARH 2050 and ARH 2051. Examines the art and architecture of the Baroque period in Italy from 1600-1750. Occasional.</td>
<td></td>
<td>3(3,0)</td>
</tr>
<tr>
<td>ARH 4430</td>
<td>19th Century Art: PR: ARH 2050 and ARH 2051. A survey of the trends and developments in art during the 19th century, including the art of America and Western Europe. Occasional.</td>
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<td>3(3,0)</td>
</tr>
<tr>
<td>ARH 4450</td>
<td>20th Century Art: PR: ARH 2050 and ARH 2051 or C.I. A survey of the art from Fauvism, Futurism, Cubism to the art of the present. Occasional.</td>
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<td>3(3,0)</td>
</tr>
<tr>
<td>ARH 4450</td>
<td>Art of India: PR: Junior Standing or C.I. Art and architecture of India from prehistoric times through the Gupta, Rajput, and Muslim periods. Occasional.</td>
<td></td>
<td>3(3,0)</td>
</tr>
<tr>
<td>ARH 4652</td>
<td>Meso American Art: PR: Junior Standing or C.I. A survey of the art of Mexico and Central America, from the Pre-Columbia, through the Spanish Colonial, to the 20th century. Occasional.</td>
<td></td>
<td>3(3,0)</td>
</tr>
<tr>
<td>ARH 4784</td>
<td>Theory and Criticism of the Visual Arts: PR: ARH 2050 and ARH 2051 or C.I. Explores criteria of art criticism and theoretical approaches to art meaning through time; art examples from various periods/cultures. Occasional.</td>
<td></td>
<td>3(3,0)</td>
</tr>
<tr>
<td>ARH 4871</td>
<td>Women in Art: PR: ARH 2050 and ARH 2051 or C.I. A survey of women artists from ancient times to the present as well as a study of the role Aesthetics and Ideology have played in determining representations of women in art. Occasional.</td>
<td></td>
<td>3(3,0)</td>
</tr>
<tr>
<td>ARH 5897</td>
<td>Advanced Seminar in Art History: PR: ARH 2050 and ARH 2051 or C.I. Research methods on various topics including: major artist, monument, cultural period or theme. Occasional.</td>
<td></td>
<td>3(3,0)</td>
</tr>
<tr>
<td>ARH 2201C</td>
<td>Design Fundamentals-Two Dimensional: PR: C.I. Priority given to students whose major requires this course. Materials, processes, form. Emphasis on two-dimensional design problems, including problems in black and white and basic color theory. Fall, Spring. M&amp;S fee $15.00.</td>
<td></td>
<td>3(2,4)</td>
</tr>
<tr>
<td>ARH 2201C</td>
<td>Honors Design Fundamentals-Two Dimensional: PR: ART 2201C. Priority given to students whose major requires this course. Permission of Honors. Materials, processes, form. Emphasis on two-dimensional design problems, including problems in black and white and basic color theory with Honors content. Occasional.</td>
<td></td>
<td>3(2,4)</td>
</tr>
<tr>
<td>ARH 2203C</td>
<td>Design Fundamentals-Three Dimensional: PR: C.I. Priority given to students whose major requires this course. Basic three-dimensional design using the various sculptural media. Fall, Spring. M&amp;S fee $45.00.</td>
<td></td>
<td>3(2,4)</td>
</tr>
<tr>
<td>ARH 2300C</td>
<td>Drawing Fundamentals I: PR: C.I. Priority given to students whose major requires this course. Drawing as a means of formal organization. Introduction to problems in drawing methods and media. Emphasis on description techniques. Fall, Spring. M&amp;S fee $10.00.</td>
<td></td>
<td>3(2,4)</td>
</tr>
<tr>
<td>ARH 2300C</td>
<td>Honors Drawing Fundamentals I: PR: ART 2300C and Consent of Honors. Priority given to students whose major requires this course. Drawing as a means of formal organization. Introduction to problems in drawing methods and media. Emphasis on description techniques. With Honors content. Occasional. M&amp;S fee $10.00.</td>
<td></td>
<td>3(2,4)</td>
</tr>
</tbody>
</table>

UNIVERSITY OF CENTRAL FLORIDA

UCF Courses and Descriptions

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Undergraduate Catalog 2016-2017
ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. Advanced process in printmaking. May be repeated for credit. Fall, Spring.


ART 4402C CAH-SVAD 3(4,2) Advanced Printmaking: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. Advanced process in printmaking. May be repeated for credit. Even Fall, Spring. M&S fee $30.00

ART 4505C CAH-SVAD 3(4,2) Advanced Painting: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. Advanced problems in the ceramic media. May be repeated for credit. Fall, Spring. M&S fee $15.00

ART 4634C CAH-SVAD 3(1,3) Web Art: PR: ART 2823 or C.I. The Web as a medium for art. Occasional.


ART 4710C CAH-SVAD 3(4,2) Advanced Sculpture: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. The challenge of communicating concepts through three-dimensional forms. May be repeated for credit. Fall, Spring. M&S fee $45.00

ART 4765C CAH-SVAD 3(4,2) Ceramic Handbuilding II: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, ART 2754C, and a satisfactory portfolio review or C.I. Technical skills in manipulating form, function, volume, color and surface texture. Occasional. M&S fee $35.00


ART 4783C CAH-SVAD 3(4,2) Advanced Ceramics: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, ART 3761C, ART 4783C, and a satisfactory portfolio review or C.I. Advanced problems in the ceramic media. May be repeated for credit. Fall, Spring. M&S fee $35.00

ART 4945C CAH-SVAD 3(2,4) Advanced Design Lab: PR: ART 2923, ART 2201C, ART 2301C, or C.I. Students design and develop visual solutions for real world clients in partnership with industry. May be used in the degree program a maximum of 3 times. Fall, Spring.

ART 4954 CAH-SVAD 3(3,0) Scotland Study Abroad: PR: ART 2823, ART 2201C, ART 2301C or C.I. Study abroad in Edinburgh, Scotland. May be repeated for credit. Occasional.


ART 5280 CAH-SVAD 3(3,0) Serial Content, Story Forms: PR: Admission to Emerging Media MFA or Digital Media M.A., graduate standing, or C.I. Serial content, story forms, interactive narrative theory and practice for art, digital media and film. Traditional and non-traditional forms of visual and interactive storytelling. Fall, M&S fee $45.00

ART 5284 CAH-SVAD 3(3,0) Design Theory and Methods: PR: Admission to MFA or C.I. Introduction to semiotic theory, communication theory, perceptual codes, human factors and visual rhetoric. Fall. M&S fee $45.00


ART 5694 CAH-SVAD 3(3,0) Crosscultural Electronic Art and Design: PR: Admission to MFA. Explores digital/electronic art and technology from mid 20th century to present. Explores key electronic artists and issues of the "arts electronic" into the present. Spring.

ART 5695 CAH-SVAD 3(3,0) WebArt I: PR: Admission to MFA. Students will explore the web and experiment with pertinent software, as well as design and implement websites. Projects will be determined at the outset of each semester. Spring. M&S fee $45.00

ART 5696 CAH-SVAD 3(3,0) Art, Design and Human Interactions: PR: Admission to MFA. Exploration and design of interface integrals of systems and technologies in context of society and culture including place making, wayfinding, electronic interface design, and publication design. Spring.

ART 5698 CAH-SVAD 3(3,0) Concourse I: PR: ART 5910 and ART 5280 and ART 5694, or C.I. Digital reproduction of studio work. Fall. M&S fee $45.00

ART 5811C CAH-SVAD 3(3,1) The Professional Practice of Art: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C (no graduate level prerequisite), graduate status or senior standing, or C.I. Seminar with selected topics in professional practices in the art world. Overview of inventory processing, accounting, and the marketing of art. Fall. M&S fee $45.00

ART 5910 CAH-SVAD 3(3,0) Studio Concentration I: PR: Admission to MFA. Course is the primary for production of work in studio. Students will meet periodically with faculty to discuss progress. Professor will meet with the whole class periodically in order to facilitate a group critique of work completed. May be used in the degree program a maximum of 3 times. Fall, Spring. M&S fee $45.00

ART 5941 CAH-SVAD 1(1,0) Graduate Practicum I: PR: Web Art I, graduate status, or C.I. Candidates with cross-disciplinary interests will discuss and analyze issues in digital art making via the internet. Students will use this information to develop projects in their specialization. Occasional.

ASH 3222 CAH-HIST 3(3,0) Islam and Its Empires: PR: Junior standing or C.I. History of the Middle East and North Africa from the birth of Islam to the 16th century. Fall. M&S fee $90.00

ASH 3232 CAH-HIST 3(3,0) The Modern Middle East: PR: Junior standing or C.I. History of the Middle East and North Africa from the 16th century to the present. Occasional.

ASH 4233 CAH-HIST 3(3,0) Ottoman Empire: PR: WOH 2012 and WOH 2022. History of the Ottoman Empire from its origins in the 13th century to its collapse after WWI. Fall. Occasional.

ASH 4234 CAH-HIST 3(3,0) History of Iraq: PR: WOH 2012 and WOH 2022. Modern Iraqi history through a set of interrelated monographic studies that focus on the political and legal components of the Iraqi state. Occasional.


ASH 4324 CAH-HIST 3(3,0) History & Culture of South Asia: PR: WOH 2022 or C.I. History and culture of South Asia from prehistory to decline of the British Raj. Occasional.

ASH 4383 CAH-HIST 3(3,0) Imperialism & Decolonization in South Asia: PR: WOH 2022 or C.I. Socio-cultural, economic and political impact of imperialism and the subsequent decolonization in South Asia. Occasional.


ASH 4404 CAH-HIST 3(3,0) Modern China: PR: EUH 2000 and EUH 2001 or C.I. Political, social, economic, and cultural transformations undergone by China from about the 17th century to the present. Occasional.

ASH 4442 CAH-HIST 3(3,0) Modern Japan: PR: EUH 2000 and EUH 2001 or C.I. History of Japan from 1868 and of the Tokugawa period to the present day. Occasional.

ASH 4550 CAH-HIST 3(3,0) History of Modern India: PR: WOH 2022 or C.I. History of India from decline of Mughals in late 18th century to present. Occasional.

ASH 5229 CAH-HIST 3(3,0) History of the Middle East: PR: Graduate standing or C.I. Selected topics in the history of the modern Middle East. May be used in the degree program a maximum of 2 times only when course content is different. Occasional.

ASH 5408 CAH-HIST 3(3,0) Colloquium in Modern China: PR: Graduate status or senior standing or C.I. Course explores works of scholarship in modern China including the rise of Communism, Chinese women and Sino-American relations. Occasional.

ASH 5485 CAH-HIST 3(3,0) U.S. China Relations: PR: Graduate standing or C.I. An in-depth study of the significant relations between China and the United States since the 18th century. Even Fall.
COS-PHYS
3(3,0)

COS-PHYS
3(3,0)

COS-PHYS
3(3,1)
Astronomical Data Analysis: PR: MAC 2313, ability to write simple computer programs, and an upper level course in astronomy or planetary science, or C.I. Astronomical data formation and acquisition, detector phychology, and experimental techniques, computer programming, statistics, interpretation, and written and oral presentation of results. Fall.

COS-PHYS
3(3,0)
Clinical skills, including functional knowledge of upper extremity/trunk muscle, tendon, and ligament anatomy; C.I. Clinical skills including functional knowledge of lower extremity/trunk muscle, tendon, and ligament anatomy; C.I. Advanced Taping and Bracing skills; and pharmacological interventions.

COS-PHYS
3(3,0)

COS-PHYS
3(2,1)

COS-PHYS
3(2,1)

COS-PHYS
3(2,2)
Recognition and Evaluation of Athletic Injuries I: PR: ATR 3102. Recognition and evaluation skills required to perform an injury/illness assessment of the lower extremity and spine and provide immediate management. Fall.

COS-PHYS
3(2,1)
Injury, Management, and Rehabilitation: PR: ZTR 3733C or ZTR 3736C; C.I. Principles of Athletic Training and C.I. Recognition and management of common injuries found in active populations. Therapeutic modalities and therapeutic exercise are integrated through the course. Fall.

COS-PHYS
3(2,2)
Clinical introduction to an athletic training site under direct supervision of a certified athletic trainer. Fall.

COS-PHYS
3(2,2)
Continuation of clinical practicum under direct supervision of certified athletic trainer. Fall.

COS-PHYS
3(2,2)
Principles of Athletic Training Lab: CR: ATR 3102. PR: ATR 3102. PR: ATR 3102. Students will develop their knowledge, skills, and attitudes by providing direct care of athletic injuries; understand the medical delivery system in a variety of settings; and understand the legal and ethical aspects of practicing athletic training. Occasional.

COS-PHYS
3(2,0)

COS-PHYS
3(2,2)
PR: ATR 3102L. PR: ATR 3102L. PR: ATR 3102L. Clinical skills including functional knowledge of upper extremity/trunk muscle, tendon, ligament anatomy and wrapping, goniometry and manual muscle testing and goniometry. Fall.

COS-PHYS
3(3,0)

COS-PHYS
3(2,1)
Clinical Skills for Athletic Trainers I: PR: ZOO 3733C or ZOO 3736C, and Athletic Training majors only or C.I. Clinical skills, including functional knowledge of lower extremity/trunk muscle, tendon, ligament anatomy; advanced taping and bracing skills; and clinical assessment of general medical conditions. Fall. M&S fee $31.00.

COS-PHYS
3(2,1)
Critical Care in Athletic Training: CR: ATR 4842L, and PR: ATR 4832L. This course will review and update student knowledge of and competency with acute care procedures and emergency planning in athletic settings. Spring.

COS-PHYS
3(2,2)
Recognition and Evaluation of Athletic Injuries II: PR: ATR 3102. Recognition and evaluation skills required to perform an injury/illness assessment of the upper extremity, head and neck, and general medical conditions and provide immediate management. Spring.

COS-PHYS
3(2,2)

COS-PHYS
3(2,4)
Therapeutic Exercise in Athletic Training: PR: ATR 3121C. Rehabilitation processes regarding exercise progression for athletic injury Occasional.

BME 5572 ECS-ECE 3(3,0) Biomedical Nanotechnology: PR: EEL 3123C with a “C” (2.0) or better grade. Human Physiology, Bioelectric Phenomena and Neurons, Nanoelectronics for fabrication of biochip and biomedical applications, self-assembly, bioelectronics, moral and ethical issues. Spring.

BOT 3018C COS-BIOL 3(1,2) Culinary Botany Across the Cultures: PR: BOT 3002, Junior standing, or C.I. Cultural food traditions and the connections between plants, people and health; examines the preparation methods that enhance the nutritional values. Occasional. M&S fee $10.00

BOT 3152C COS-BIOL 3(1,4) Local Flora: PR: A “C” (2.0) or better in both BSC 2010C and BSC 2011C, or C.I. Recognition and identification of Florida higher plants, especially those common to central Florida, stressing environmental and ethnobotanical significance. Weekend field trips may be required. Occasional.

BOT 3802 COS-BIOL 3(3,0) Ethnobotany: PR: A “C” (2.0) or better in both BSC 2010C, and BSC 2011C, or C.I. Historical and modern uses of plants economically important in various cultures. Spring.


BOT 4303C COS-BIOL 5(3,6) Plant Kingdom: PR: BOT 3802, or C.I. A survey of the plant kingdom utilizing comparative morphology, structure and functions to demonstrate relationships among extant and extinct forms. Occasional. M&S fee $40.00

BOT 4434C COM-BSBS 4(3,1) General Mycology: PR: BSC 2010C, MCB 3020C or BSC 2011C. This course is a survey of the Kingdom Fungi, covering the major topics of fungal diversity, structure, genetics, physiology, practical applications and pathogenicity. Occasional. M&S fee $42.00

BOT 4503 COS-BIOL 3(3,0) Plant Physiology: PR: A “C” (2.0) or better in PCB 3023 or C.I. A study of mechanisms used by plants to cope with the environment. Occasional.

BOT 4713C COS-BIOL 5(3,6) Plant Taxonomy: PR: BOT 3802, or C.I. Systematic classification and identification of vascular plants, with emphasis on the flora of peninsular Florida. Occasional. M&S fee $40.00

BSC 2010C COS-BIOL 4(3,2) Biology I: PR: High school biology or C.I. Open only to students whose major requires this course. Cellular and chemical basis of life, genetics, and the theory of evolution. Emphasis on problem solving, analysis, synthesis of information, and applying data effectively. Fall, Spring. M&S fee $2.00

BSC 2110C COS-BIOL 4(3,3) Biology II: PR: A “C” (2.0) or better in BSC 2010C or C.I. Permission will be given to students whose program requires this course. Continuation of BSC 2010C. Organismal anatomy and physiology as it relates to biodiversity, ecology and evolution. Emphasis on problem solving, analysis, synthesis of information, and applying data effectively. Fall, Spring. M&S fee $2.00

BSC 3052 COS-BIOL 3(3,0) Conservation Biology: PR: or CR: A minimum grade of “C” (2.0) in PCB 3044 or C.I. Science, history and principles of conservation biology. Occasional.

BSC 3312 COS-BIOL 3(3,0) Principles of Marine Biology: PR: A minimum grade of “C” (2.0) in both BSC 2010C and BSC 2011C. Provides students with a foundation in the field of marine biology using a global perspective. Even Fall.

BSC 3402C COS-BIOL 4(1,3) Integrative Biology: PR: BSC 2010C and BSC 2011C or C.I. A “C” (2.0) or better, and C.I. A field-based course gathering information on natural history of various organisms in Florida, with special emphasis on scientific methods. Occasional.

BSC 3403C COM-BSBS 4(3,4) Honors Quantitative Biological Methods: PR: Consent of Honors, BSC 2010C, MCB 3020C, CHM 2046. A laboratory course which presents the concepts, modern methods, techniques and instrumentation used in quantitative biological and molecular biological experimentation. Honors level content. Fall.

BSC 3403C COS-BIOL 4(3,4) Quantitative Biological Methods: PR: BSC 2010C, MCB 3020C, CHM 2046. A laboratory course which presents modern methods and instrumentation used in quantitative biological experimental. Fall, Spring. M&S fee $59.00.

BSC 3424 COM-BSBS 3(3,0) Nanobiotechnology: PR: MCB 1310, and either CHM 2046 or PHY 2054C. Biological processes in nanoscale interaction with elements of physics & engineering.

BSC 3843L COS-BIOL 2(0,2) Strategies for Biology Academic Mentoring: PR: Junior or senior standing. Review research findings, theory, models and techniques of academic counseling and career advising. Graded S/U. May be used in the degree program a maximum of 2 times. Occasional.

BSC 3949 COS-BIOL 0(0,8) Cooperative Education in Biology: PR: Departmental permission required before registering. Cooperative education experience in biology. Graded S/U. May be repeated. Occasional.

BSC 4312C COS-BIOL 4(3,3) Advanced Marine Biology: PR: BSC 3312 and a “C” (2.0) or better in PCB 3044. An advanced treatment of current issues in marine biology, emphasizing biodiversity and marine conservation through research, service-learning and field experiences. Even Spring. M&S fee $45.00.

BSC 4320 COS-BIOL 3(3,0) Invasion Biology: PR: A “C” (2.0) or better in PCB 3044, or C.I. General principles of invasion ecology. The study of addition of species into ecosystems as it provides insights into basic ecological and evolutionary questions. Even Spring.

BSC 4421 COS-BIOL 1-4(0,3-12) Biology Laboratory Techniques: PR: CHM 2210 and a “C” (2.0) or better in PCB 3044, or C.I. Individual and small group instruction in current laboratory techniques beyond the scope of typical Biology laboratories. Graded S/U. May be repeated for credit. Occasional.

BSC 4434 COM-BSBS 3(3,0) Biomedical Informatics: Sequence Analysis: PR: PCB 3522 or PCB 3023 or C.I. Introduction of useful bioinformatics tools and resources on sequence analysis. Fall.

BSC 4439 COM-BSBS 3(3,0) Biomedical Informatics: Structure Analysis: PR: PCB 3522 or PCB 3023 or C.I. Introduction of useful bioinformatics tools and resources on RNA and protein structure analysis. Spring.

BSC 4445C COS-BIOL 4(1,3) Genomics Lab: Methods in Data Collection and Analysis: PR: A grade of a “B” (3.0) or better in PCB 3044 and completion of EHS Lab Safety Training online course and practical by end of add/drop, or instructor consent. Hands-on approach to understanding how genomic datasets are generated in the lab, and how they are analyzed computationally using bioinformatics pipelines. Fall.

BSC 4821 COS-BIOL 4(4,0) Biogeography: PR: A “C” (2.0) or better in both PCB 3044 and PCB 4883, or C.I. Study of geographic variation in nature, ranging from past to present and genes to ecosystems. Occasional.

BSC 4861L COS-BIOL 3(0,3) SL Sustainability: Socio-Economically Mindful Environment: Protection: PR: A “C” (2.0) or better in BSC 2010C or C.I. A service-learning course utilizing an interdisciplinary approach to developing models and implementing programs designed to result in environmental sustainability. Occasional.

BSC 4927 COS-BIOL 2(0,2) Instructional Experiences in Undergraduate Biology: PR: PCB 3003, Biology major with 80 semester hours and 3.0 gpa. Preparation of undergraduate students to more effectively learn biological concepts by facilitating learning in variety of university biology labs. Graded S/U. May be repeated for credit. Fall, Spring.

BSC 5258L COS-BIOL 3(0,3) Tropical Biology Research and Conservation: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Research and conservation in New World tropics, including a field trip to Belize. Tropical biodiversity and forest ecology, integrating conservation strategies in research and communication. Occasional.

BSC 5316 COS-BIOL 3(0,0) Marine Conservation Biology: PR: BSC 4512C Marine Biology, graduate standing, or C.I. Examine human impacts on marine ecosystems and how humans can become better stewards of these habitats. Odd Spring.

BSC 5332 COS-BIOL 3(0,0) Invasion Biology: PR: PCB 3044 or C.I. The three stages of biological invasion (introduction, establishment and spread) as well as impacts on native species and ecosystems. Even Spring.

BSC 5408L Advanced Biology Laboratory Techniques: PR: BS degree, C.I. This course will emphasize those biological techniques and resources necessary for students about to begin thesis research. Individual and small group instruction in current laboratory techniques, literature searches, and hands-on practice of techniques will be stressed. May not be repeated for credit. Occasional.

BSC 5418 COM-BSBS 3(3,0) Tissue Engineering: PR: Graduate standing, Introduction to Tissue Engineering with a special emphasis on the current status of the field, on novel methods and cell biomaterial interactions. Occasional.

BSC 5436 COM-BSBS 3(3,0) Biomedical Informatics: Structure Analysis: PR: PCB 3522 or equivalent or C.I. Introduction of bioinformatics tools and resources on RNA and protein structure analysis. Fall.
BSC 5618 COS-BIOL Phylogenetic Approaches in Biological Research 3(3,0)

BSC 5824 COS-BIOL Biogeography: Phylogeny to the M.S. in Biology to Ph.D. in Conservation Biology, Certificate in Conservation Biology, PSM in Conservation Biology, or C.I. Study of geographic variation ranging from past to present and from genes to ecosystems. Even Spring.

BTE 4410 ED-CFCS Course Construction in Business Education: PR: ECT 3365 or C.I. An overview and examination of business curriculum and methodology integrated into the workforce frameworks. Planning and preparation of materials, managing the laboratory and involvement in career & technical student organizations. Occasional.

BUL 3130 BA-ACCT Legal and Ethical Environment of Business: PR: Completion of each course in the Business common program prerequisites with a “C” (2.0) or better. Analysis of the law as a dynamic social and political institution in the business environment, including contract law, torts, and ethical consideration. Fall, Spring.

BUL 3130H BA-ACCT Honors Legal and Ethical Environment of Business: PR: Junior standing and business major or minor, permission of Honors. Analysis of the law as a dynamic social and political institution in the business environment, including ethical considerations with honors level content. Occasional.

BUL 4540 BA-MAN Employment Law: PR: Management major or minor, MAN 3025 and MAN 3301. An examination of current employment law and issues/trends in the legal environment impacting human resource management system design, HRM policy and employee relations. Fall.

BUL 5532 BA-ACCT Advanced Business Law Topics: PR: Admission to graduate program, or Management major or minor in term of graduation, BUL 3130. Advanced business law topics including coverage of the Uniform Commercial Code, torts, commercial paper, and secured transactions. Fall, Spring.

BUL 5810 BA-ACCT Legal and Social Environment of Business: PR: Admission to graduate program. Analysis of the legal and ethical environment of business, the effects of legislation and regulation on business activity, and the role of law and ethics in the decision-making process. Occasional.

CAP 4053 ECS-CS AI for Game Programming: PR: COP 3502C with a grade of “C” (2.0) or better and COP 3690. Course covers AI techniques for video games and board games and contrasts them with more traditional approaches. Spring.

CAP 4102 ECS-EECS IT Design and User Experience: PR: CGS 2545C and CIS 3003. To meet a real world customer’s needs, student teams will learn and apply user-centered principles to elicit requirements, prototype, and build a complete web-based solution. Even Fall.

CAP 4104 ECS-CS Human and Technology Interaction: PR: COP 3330 and COP 3502C each with a grade of “C” (2.0) or better. Introduction to the design and display of technical user interfaces and computer-aided personality interaction. Fall, Spring.

CAP 4483 ECS-CS Robot Vision: PR: COP 5303C and MAC 2312 each with a grade of “C” (2.0) or better. Perception and orthographic projections; the processing of edges, regions, motion, tracking, feature detection, recognition, and machine learning. Fall, Spring.

CAP 4630 ECS-CS Artificial Intelligence: PR: COP 3503C with a grade of “C” (2.0) or better and COP 3690. Course covers AI techniques for problems involving knowledge-based systems, representation, inference, planning, machine learning. Fall.


CAP 5055 ECS-CS Human-Computer Interface Design: PR: COP 4331C, graduate standing and approval of the Director of the Software Engineering Certificate Program. Focuses on human-computer interaction. Provides a comprehensive overview of HCI design as a software discipline. Features a user-centered approach to Web-based application design. Fall.

CAP 5415 ECS-CS Computer Vision: PR: COP 3503C, MAC 2312 and COP 3690. Image formation, binary vision, region growing and edge detection, shape representation, dynamic scene analysis, texture, stereo and range images, and knowledge representation. Fall.

CAP 5510 ECS-CS Bioinformatics: PR: Background in programming language or molecular biology. Course introduces fundamental concepts, techniques, and applications in Bioinformatics. Covers essential topics such as sequence alignment and prediction of gene and protein structure. Occasional.

CAP 5512 ECS-CS Evolutionary Computation: PR: CAP 4630 or COP 3502C or C.I. Course covers the field of evolutionary computation, focusing on the theory and application of genetic algorithms. Spring.


CAP 5725 ECS-CS Computer Graphics I: Architecture of graphics processors; display hardware; principles of programming and display software; problems and applications of graphics systems. Spring.

CAP 5738 ECS-EECS Visualization Techniques for Data Analysis: PR: COP 3330, COP 3502C. Techniques for visualization that are useful for analyzing and presenting quantitative information. Applications are covered to areas, projects, and one or more real-world publicly-available datasets. Understanding the data, visualizing it, creating hypotheses, and visually exploring them. Application of statistical techniques to test hypotheses about data trends and visualize how well their hypotheses match with their analysis. Fall, Spring.

CCE 4003 ECS-CCE Computer Architecture: PR: EGN 3113, EGN 3210 all with a grade of “C” (2.0) or better. Introduction to the construction of computer hardware: design of computer systems, estimation and scheduling; ethics and labor issues. Fall, Spring.

CCE 4004 ECS-CCE Construction Methods: PR: CES 4100C with a grade of “C” (2.0) or better. Construction methods for civil and structural systems, design of temporary structures, safety, and building codes. Spring.

CCE 4034 ECS-CCE Construction Estimating and Scheduling: PR: CCE 4003 with a grade of “C” (2.0) or better. Construction project estimating and bidding and the preparation of construction schedules, followed by in-depth coverage of time and cost control, and risk management. Fall.

CCE 4402 ECS-CCE Construction Equipment and Productivity: PR: CCE 4003, CWR 3201, CWR 3202 both with a grade of “C” (2.0) or better. Selection of appropriate equipment based on operational parameters, principles of construction productivity measurement and analysis, process design, and discrete event simulation. Spring.

CCE 4810C ECS-CCE Construction Design Project: PR: CCE 4034, CCE 4004, CCE 4813 all with a grade of “C” (2.0) or better, and department consent; CR: CCE 4402. The preparation and development of a design plan and proposal for a construction project, including construction engineering systems, site facilities, construction methods, coordination, leadership, and control. Fall, Spring.

CCE 4813 ECS-CCE Mechanical and Electrical Systems for Buildings: PR: CCE 4034, CWR 3204, CWR 3201 all with grades of “C” (2.0) or better. Design and construction of mechanical and electrical systems for buildings. Fall.

CCE 5006 ECS-CCE Infrastructure Systems Management: PR: CCE 5003 and CCE 4402. Infrastructure planning, data evaluation, decision-making theories, data representation for decision analysis, advanced methods in decision-making, and applications of decision support systems in infrastructure management. Fall, Spring.

CCE 5220 ECS-CCE Sustainable Infrastructure Systems: PR: STA 3032. Introduction to the principles of sustainability as they relate to the built environment and infrastructure systems; sustainability metrics; life cycle assessment; resilience; green building principles. Spring.


CCJ 3624 HPA-CJ Criminal Justice System: PR: Sophomore standing and ENC 1102. An examination of the components and their interdependence in light of their traditional autonomy. Fall, Spring.

CCJ 3450 HPA-CJ The Criminal Justice Manager: PR: CCJ 3024 or C.I. Elements of first-line supervision and executive development. Administrative leadership; its nature; methods, and traits. Recent theories and research in leadership. Occasional.

CCJ 3451 HPA-CJ Justice System Technology: PR: CCJ 3024 or C.I. Examination of the relevance of scientific and technological developments to justice systems and their applicability to the operations and management of the systems. Occasional.


CCJ 3667 HPA-CJ Victims and the Criminal Justice System: PR: CCJ 3024 or declared Victim Advocacy Certificate or C.I. Course examines Victims as they affect the Criminal Justice system, the dimensions of criminal victimization, and victim offender programs. Occasional.
CEN 5016 ECS-CS 3(3,0)
Software Engineering: PR: COP 4331C. Application of formal engineering principles, programming methods, and documentation standards to the development of large scale software systems. A team project is required. Spring.

CEN 4100C ECS-CECE 4(3,3)
Structural Analysis I and Lab: PR: EGN 3331C and CGN 3405 both with grades of “C” (2.0) or better. Topics in structural mechanics, analysis of determinate and indeterminate structures by flexibility and stiffness methods, computer and laboratory exercises on behavior of structures and materials. Fall, Spring. M&S fee $21.00

CEN 4205 ECS-CECE 3(3,0)
Structural Mechanics: PR: EGN 3331C and EGN 3343 both with grades of “C” (2.0) or better. Advanced mechanics of materials applied to civil structural systems, elasticity, torsion, inelastic bending, failure theory for concrete and soils, compatibility, equilibrium, and energy methods. Spring.

CEN 4605 ECS-CECE 3(3,0)
Steel Structures: PR: CEN 4100C with a grade of “C” (2.0) or better. Design of structural steel members and buildings; emphasis on AISC-ASD building code; introduction to AISC-LRFD building code; tension and compression members, beams, beam-columns, connections. Fall, Spring.

CEN 4702 ECS-CECE 3(3,0)
Reinforced Concrete Structures: PR: CEN 4100C with a grade of “C” (2.0) or better. Design of RC members using ACI code; beam flexure and shear; compression bending; bond and development; introduction to continuous frames. Fall, Spring.

CEN 4743C ECS-CECE 3(2,2)
Structural Design: PR: CEN 4605 and CEN 4702 both with grades of “C” (2.0) or better. Design of RC members using ACI code; beam flexure and shear; compression bending; bond and development; introduction to continuous frames. Fall, Spring.

CEN 5144 ECS-CECE 3(3,0)
Matrix Methods for Structural Analysis: PR: CEN 4100C or C.I. Implementation of the matrix methods for structural analysis that are commonly and currently used in practice and in research, special topics such as finite element formulations, special analysis procedures, and use of software packages. Even Fall.

CEN 5325 ECS-CECE 3(3,0)
Bridge Engineering: PR: CEN 4605 and CEN 4702 or C.I. Bridge engineering fundamentals, design philosophies, analysis and design concepts for concrete and steel bridges, AASHTO specifications, Bridge rating, and introduction to Bridge health monitoring. Occasional.

CEN 5506 ECS-CECE 3(3,0)
Advanced Steel Structures: PR: CEN 4605. Behavior and design of steel buildings; emphasis on AISC-LRFD building code; complex connections, tension members, stability of compression members, laterally unsupported beams, frames, and beam columns. Occasional.

CEN 5706 ECS-CECE 3(3,0)
Advanced Reinforced Concrete: PR: CEN 4702 or C.I. Design of frames, two-way floor systems, shear walls; shear and torsion; compression field theory; inelastic analysis; wind and seismic design; introduction to prestressed concrete. Occasional.

CEN 5821 ECS-CECE 3(3,0)
Masonry and Timber Design: PR: C.I. Structural properties of masonry and timber; design loads-codes and standards; analysis for axial loads, flexure and shear. Occasional.

CET 3010 ECS-ECS 3(3,0)
Introduction to Information Technology: PR: MAC 1105C. An introduction to IT field, including binary representation, graphics, data compression, information theory, transmission and storage technology, and communications. Fall, Summer.

CET 3383 ECS-ECS 3(3,0)
Applied Systems Analysis I: PR: CET 3220. Study of system analysis, design, development and implementation cycle. Includes Object Oriented Programming (OOP) to implement system programs. Spring.

CET 4427 ECS-ECS 3(3,0)
Application Database I: PR: Approved programming course or C.I. Study of database technology, design and implementation of data systems within the concept of central administration, structured data storage. Project. Fall.

CET 4483 ECS-ECS 3(3,0)
Intro to Local Area Network Technology: PR: Approved programming course or C.I. An introductory level course in local area networks. Topics in data communications, computer networking, local area network technology, topologies, and protocols will be covered. Spring.

CET 4505 ECS-ECS 3(3,0)
Advanced Operating Systems: PR: CET 3220. Modifying the operating systems to support new types of devices. Analysis of limitations and strengths of commercial mass storage operating systems in industry. O.S. tool usage. May be repeated for credit. Fall.

CET 4663 ECS-ECS 3(3,0)

CET 4748 ECS-ECS 3(3,0)
Wide Area Networks I: PR: CET 4483 or C.I. Designing Wide Area Networks; determining requirements, designing the networks, structure, choosing appropriate technologies, and evaluating results. Fall.

CET 4749 ECS-ECS 3(3,0)

CGN 3405 ECS-CECE 3(3,0)
Applied Numerical Methods for Civil Engineering: PR: MAC 2313 with a grade of “C” (2.0) or better; CR: MAP 2302. Application-driven numerical solution of common Civil and Environmental Engineering problems using linear algebra, interpolation, differentiation and integration, nonlinear systems, ODEs and IVPS, and linear programming. Fall, Spring.

CGN 3501C ECS-CECE 3(2,3)
Civil Engineering Materials: PR: A grade of “C” (2.0) or better in EGN 3311C and in CHS 1440 or CHM 2045C or CHM 2040. The characteristics of materials used in civil engineering works to include concrete, bituminous polymers and composite materials. Fall, Spring. M&S fee $30.00

CGN 3700C ECS-CECE 2(2,2)
Civil Engineering Measurements: PR: MAC 2312 and PHY 2400C both with a grade of “C” (2.0) or better. Engineering measurement, data analysis, and experimental hardware including electronics, computer components, and calibration. Specific applications in civil engineering including surveying, GPS, and GIS Fall, Spring. M&S fee $30.00

CGN 4808C ECS-CECE 3(2,2)
CECE Capstone Design: PR: C.I. “C” or better in a previous CECE design course and department consent. An interdisciplinary capstone design experience requiring problem definition, data collection, analysis of alternatives, economic evaluation of alternatives, and oral and written presentation of final design. Fall, Spring.

CGN 5506 ECS-CECE 3(3,0)
Advanced Pavement and Civil Engineering Materials: PR: CGN 3501C, CES 4011C. Concrete and civil engineering materials such as aggregate, Portland cement, and concrete. In addition, mechanics, modeling, analysis, and design of those materials will be included. Occasional.

CGN 5877 ECS-CECE 3(3,0)

CGS 1060C ECS-CS 3(2,2)
Introduction to Computers: PR: COP 2500C or high level programming course (C, Java, C#, C++) with a grade of “C” (2.0) or better. Entity-relationship model, relational database management systems, normal forms, performance or databases, report generation. Fall, Spring.

CGS 2585C ECS-CS 3(2,1)
Database Concepts: PR: COP 2500C or high level programming course (C, Java, C#, C++) with a grade of “C” (2.0) or better. HTML coding, using images, sound, video, multimedia, advanced text formatting, forms and CSS scripts, introduction to JavaScript. Fall, Spring.

CGS 3269 ECS-CS 3(3,0)
Computer Architecture Concepts: PR: COP 2500C or high level programming course (C, Java, C#, C++) with a grade of “C” (2.0) or better. HTML coding, using images, sound, video, multimedia, advanced text formatting, forms and CSS scripts, introduction to JavaScript. Fall, Spring.

CGS 3429 ECS-CS 3(3,0)
Computer Fundamentals for Business: PR: COP 2500C or high level programming course (C, Java, C#, C++) with a grade of “C” (2.0) or better. Programming project. Fall, Spring.

CGS 3763 ECS-CS 3(3,0)
Operating System Concepts: PR: COP 2500C or high level programming course (C, Java, C#, C++) with a grade of “C” (2.0) or better. HTML coding, using images, sound, video, multimedia, advanced text formatting, forms and CSS scripts, introduction to JavaScript. Fall, Spring.

CGS 4287C ECS-CS 3(3,0)
Internet Applications: PR: COP 2500C or high level programming course (C, Java, C#, C++) with a grade of “C” (2.0) or better. HTML coding, using images, sound, video, multimedia, advanced text formatting, forms and CSS scripts, introduction to JavaScript. Fall, Spring.

CGS 5131 ECS-CS 3(3,0)
Computer Forensics I: Seizure and Examination of Computer Systems: PR: COP 2500C or high level programming course (C, Java, C#, C++) with a grade of “C” (2.0) or better. CPU organization, current computer architectures, network file servers. Fall, Spring.

CHI 1120C CAH-LANG 4(3,1)
Elementary Chinese Language and Civilization I: Designed to initiate the student to the major language skills: listening, speaking, reading and writing. Fall.

CHI 1120H CAH-LANG 4(4,0)
Honors Elementary Chinese Language and Civilization I: PR: Permission of Interns. Introduces the student to Chinese culture through the major language skills: Listening, speaking, reading and writing. Open only to students with no experience in the language. Honors level content. Occasional.

CHI 1121C CAH-LANG 4(3,1)
Elementary Chinese Language and Civilization II: PR: CHI 1120C or equivalent. Continuation of CHI 1120C. Spring.

CHI 1121H CAH-LANG 4(4,0)

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CHI 2200 CAH-LANG 3(3,0)
Intermediate Chinese I: PR: CHI 1121C or equivalent or C.I. Development of Chinese language skills at the intermediate level. Fall, Spring.

CHI 2200 CAH-LANG 3(3,0)
Intermediate Chinese II: PR: CHI 2200. Continuation of CHI 2200 with emphasis on Chinese cultures. Fall, Spring.

CHM 1020 COS-CHEM 3(3,0)
Chemistry Fundamentals IA: PR: High school Algebra. Concepts will be examined to provide insight into the significant role that chemistry plays in our culture. Intended as a general education course. Fall, Spring.

CHM 1032 COS-CHEM 3(3,0)
General Chemistry: PR: MAC 1105C or MAC 1106 or equivalent. An introductory study of the fundamental concepts of chemistry, primarily oriented toward Health Science majors. The ‘NC grading policy applies to this course. Fall, Spring.

CHM 1032 COS-CHEM 3(3,0)
Chemistry Laboratory: PR: or CR: CHM 1032. Preference will be given to students whose major requires this course. An introductory study of physical and chemical properties of elements and compounds. IMPORTANT: Attendance of the first laboratory session dealing with safety procedures is mandatory; students who do not attend must immediately call the Chemistry Department and may be dropped from the class. Fall, Spring. M&S fee $54.00

CHM 2040 COS-CHEM 3(3,0)
Chemistry Fundamentals IA: PR: A minimum score of 550 (SAT) or 24 (ACT) in the mathematics section. MAC 1105C or equivalent. Not open to students with credit in both CHM 2040C and CHM 2041C. Priority will be given to students whose major requires this course or CHM 2045C. Principles of modern chemistry, units and measures, basic physical theory of chemical reactivity, stoichiometry, reactions in aqueous solutions, thermochemistry. The ‘NC grading policy applies to this course. Fall, Spring. M&S fee $6.00

CHM 2041 COS-CHEM 3(3,0)
Chemistry Fundamentals IB: PR: CHM 2040 or its equivalent with a grade of C or better. Not open to students with credit in both CHM 2040C and CHM 2041C. Principles of modern chemistry, units and measures, basic physical theory of chemical reactivity, stoichiometry, reactions in aqueous solutions, thermochemistry. The ‘NC grading policy applies to this course. Fall, Spring. M&S fee $45.00

CHM 2046L COS-CHEM 1(0,3)
Chemistry Fundamentals Laboratory: PR: or CR: CHM 2046L. Priority will be given to students whose major requires this course. Introduction of chemical principles and introduction to the techniques of inorganic and physical chemistry. IMPORTANT: Attendance of the first laboratory session dealing with safety procedures is mandatory; students who do not attend must immediately call the Chemistry Department, and may be dropped from the class. Fall, Spring. M&S fee $45.00

CHM 2205 COS-CHEM 5(5,0)
Introduction to Organic and Biochemistry: PR: CHM 1032 or equivalent. An introduction to organic chemistry, stressing the chemical functions of groups and a survey of the biochemistry of proteins, carbohydrates, lipids, and nucleic acids. Spring.

CHM 2210 COS-CHEM 3(3,0)
Organic Chemistry I: PR: A ‘C’ (2.0) or better in CHM 2046. Priority will be given to students whose major requires this course. Theory and applications of organic chemistry: structure, bonding, kinetics, thermodynamics, reaction mechanisms, synthesis, and stereochemistry. Structure elucidation via spectrometric techniques. Fall, Spring.

CHM 2211 COS-CHEM 3(3,0)
Organic Chemistry II: PR: CHM 2210. Priority will be given to students whose major requires this course. Continuation of CHM 2210. Fall, Spring.

CHM 2211L COS-CHEM 2(0,6)
Organic Laboratory Techniques I: PR: CHM 2211L and CHM 2210. Priority will be given to students whose major requires this course. Theory and applications of organic chemistry: structure, bonding, kinetics, thermodynamics, reaction mechanisms, synthesis, and stereochemistry. Structure elucidation via spectrometric techniques. Fall, Spring.

CHM 3120 COS-CHEM 3(3,0)
Analytical Chemistry: PR: CHM 2046, CHM 2046L. Classical and instrumental analysis. Choice of preferred analytical methods and techniques is emphasized through applications involving both inorganic and organic systems. Fall, Spring.

CHM 3120L COS-CHEM 3(3,0)
Analytical Laboratory Techniques: PR: CHM 2046L and CHM 2210. Priority will be given to students whose major requires this course. Analytical exercise of quantitative methods of analysis by titrimetric, gravimetric, potentiometric and photometric methods of analysis including statistical treatment of experimental data. IMPORTANT: Attendance of the first laboratory session dealing with safety procedures is mandatory; students who do not attend must immediately call the Chemistry Department, and may be dropped from the class. Fall, Spring. M&S fee $70.00

CHM 3215L COS-CHEM 2(0,6)
Organic Laboratory Techniques II: PR: CHM 2211 and CHM 2211L. Open-end laboratory to develop synthesis techniques and structure elucidation skills. IMPORTANT: Attendance of the first laboratory session dealing with safety procedures is mandatory; students who do not attend must immediately call the Chemistry Department, and may be dropped from the class. Fall, Spring. M&S fee $70.00

CHM 3411L COS-CHEM 3(3,0)

CHM 3411L COS-CHEM 3(3,0)

CHM 3422 COS-CHEM 3(3,0)
Applied Physical Chemistry: PR: PHY 2049C and MAC 2312. Physical chemistry as applied to the study of biological and forensic science. Fall.

CHM 4130 COS-CHEM 3(3,0)
Advanced Analytical Laboratory Techniques: PR: CHM 2211, CHM 3120 (with a minimum grade of ‘C’ or 2.0) and CR:CHM 3411 or PR:CHM 3422. Modern methods of analysis including electrochemistry, spectroscopy, and separation techniques. Spring.

CHM 4130L COS-CHEM 2(0,6)
Advanced Analytical Laboratory: PR: or CR: CHM 4130. Experimental exercise of instrumental methods of analysis. Successful students will develop practical skills performing experiments based on spectroscopic and chromatographic methods of analysis. Statistical data treatment of experimental results will also be exercised. Spring. M&S fee $70.00

CHM 4151L COS-CHEM 3(3,0)
Polymer Chemistry: PR: CHM 2211 and graduate status or senior standing or C.I. An introduction to the chemistry of synthetic polymers. Synthetic methods, polymerization mechanisms, characterization techniques, and polymer properties will be considered. Even Fall.

CHM 5305 COS-CHEM 3(3,0)
Advanced Organic Chemistry: PR: CHM 2211, graduate status or senior standing, or C.I. Theoretical and physical organic concepts of organic systems from the perspective of modern structural theory, thermodynamics, and kinetics. Odd Fall.

CHM 5325 COS-CHEM 3(3,0)
Advanced Inorganic Chemistry: PR: CHM 2211 and CHM 2212, and graduate status or senior standing or C.I. Determination of chemical structure through interpretation of UV, IR, NMR and Mass Spectra. Occasional.

CHM 5440 COS-CHEM 3(3,0)
Biological Chemistry Fundamentals: PR: CHM 2211 and graduate status or senior standing or C.I. Development of chemical systems from the perspective of modern structural theory, thermodynamics, and kinetics. Odd Fall.

CHM 5450 COS-CHEM 3(3,0)
Polymer Chemistry: PR: CHM 2211, and graduate status or senior standing or C.I. An introduction to the chemistry of synthetic polymers. Synthetic methods, polymerization mechanisms, characterization techniques, and polymer properties will be considered. Even Fall.

CHM 5451C COS-CHEM 3(1.5)
Techniques in Polymer Science: PR: CHM 2211 and CHM 3410, graduate status or senior standing, or C.I. A laboratory and lecture course designed to introduce students to the major polymerization mechanisms along with polymer characterization and processing methods using modern instrumentation. Odd Spring. M&S fee $63.00
CHM 5580 COS-CHEM 3(3,0)
Advanced Physical Chemistry: CR: CHM 3411 and PR: MAC 2313, and graduate standing or senior standing or C.I. Selected topics of thermodynamics, kinetics, quantum mechanics, and structure. Occasional.

CHM 5715C COS-CHEM 3(2.3)
Optical Materials Processing and Characterization Techniques: PR: CHM 3411 and CHM 4010 or equivalent. Glasses, crystals and polymeric materials will be processed and characterized for their properties. Laboratory will emphasize material structure and physical property relationships. Occasional.

CHS 1440 COS-CHEM 4(3.1)
Principles of Chemistry: PR: One year of high school chemistry or CHM 1002. Basic concepts of chemistry, with emphasis on problem solving, including atomic and molecular structure, states of matter, stoichiometry, equilibria, electrochemistry and thermodynamics. The "NC-grading policy applies to this course. Fall, Spring.

CHS 3501 COS-CHEM 3(3.0)
Introduction to Forensic Science: PR: Preference will be given to students whose majors require this course. Intended for majors and non-majors to provide an overview of the specialty areas in the forensic crime lab. Spring.

CHS 3505C COS-CHEM 4(2.6)
Forensic Microscopy: PR: C.I. or better in CHS 2046 & L, and CHS 3401, and PR: or PR: CHS 2046. The study of the polarized light microscope and its use in the identification of body fluids and comparison of trace evidence. Fall. M&S fee $69.00

CHS 3511C COS-CHEM 4(2.6)
Trace Evidence: PR: C.I. or better in CHS 3505C & CHM 2211. An advanced study of the techniques used to identify and compare trace evidence. Spring. M&S fee $45.00

CHS 3514C COS-CHEM 3(2.3)
Bomb Scene Investigation: PR: Forensic Science major, CHS 3551 or C.I. Procedures for recognizing, collecting, preserving, and analyzing of evidence from a post blast bombing crime scene. May be repeated for credit. Occasional.

CHS 3530C COS-CHEM 4(3.3)
Forensic Analysis of Controlled Substances: PR: C.I. or better in CHM 2211, PR: or CHS 3505C & CHM 3120, or C.I. Course of study of controlled substances in the field of forensic science. Spring. M&S fee $50.00

CHS 3533 COS-CHEM 2(2.0)
Forensic Biochemistry I: PR: C.I. or better in PCB 3063 and PCB 3233. Concepts and procedures of contemporary forensic biochemistry, including the identification of body fluids and the use of genetic markers to establish identity. Fall.

CHS 3533L COS-CHEM 1(0.3)
Forensic Biochemistry Laboratory: PR: CRC 2(0,3) or better in BSC 2010C, PCB 3063, PCB 3233, PCB 3253 and PR: or PR: CHS 3533. Concepts and procedures of contemporary forensic biochemistry. Emphasis on techniques and procedures used in operational crime laboratories in the U.S. Fall. M&S fee $70.00

CHS 3540C COS-CHEM 2(1.3)
Fire and Debris Analysis I: PR: CHM 3412 and C.I. A lecture/laboratory course covering the procedures for recovering and identifying flammable liquids in fire related evidence. Occasional.

CHS 3595 COS-CHEM 3(3.0)
Forensic Science in the Courtroom: PR: or CR: CHS 3501 or C.I., and Forensic Science major. The special needs of the forensic scientist in preparing for and participating in courtroom proceedings. Spring.

CHS 3949 COS-CHEM 0(0.8)
Cooperative Education in Chemistry: PR: Departmental permission required before registering. Cooperative education experience in chemistry, Graded SU. May be repeated for credit. Occasional.

CHS 4506C COS-CHEM 3(2.3)
Forensic Investigation Technology: PR: A grade of "C" or better in C.I. Modern technology applied to forensic investigation. Occasional.

CHS 4515C COS-CHEM 4(2.6)
Forensic Crime Scene Investigation: PR: Grade of "C" or better in CHS 3511C, or C.I. Procedures for the investigation of arson, explosives, and crime scenes. Occasional.

CHS 4534C COS-CHEM 3(1.6)
Forensic Biochemistry II: PR: CHS 3533C and C.I. Advanced treatment of the theoretical and practical aspects of forensic DNA analysis and the use of population genetics and genetic data analysis for interpretation. Spring. M&S fee $70.00

CHS 4537 COS-CHEM 2(2.0)
Forensic Laboratory Quality Assurance: PR: Grade of "C" or better in CHS 3501, CHS 3505C, and CHS 3533 or C.I. Concepts and principles of quality assurance and quality systems management in forensic laboratories. Fall.

CHS 4541C COS-CHEM 2(1.3)
Fire and Debris Analysis II: PR: CHS 3456C or C.I. An advanced lecture/laboratory course covering the procedures for recovering and identifying flammable liquids in real fire related evidence. Occasional.

CHS 4591 COS-CHEM 4(4.0)
Forensic Science: PR: Senior standing, PCB 3063 and PCB 3233. Concepts and procedures of forensic science crime scene investigation, concepts in fire and debris analysis, including the use of laboratory techniques for analysis of evidence from real fire related evidence. Fall.

CHS 4615 ENVIRONMENTAL 3(3.0)
Environmental Chemistry: PR: CHM 2046, senior level in biological, molecular, chemical or engineering sciences, or C.I. Principles of environmental chemistry, survey of environmental law, remediation technologies, industrial practices and environmentally responsible chemistry. Odd Spring.

CHS 5502 COS-CHEM 3(3.0)
Principles of Forensic Science: PR: Admission to Forensic Science MS program or C.I. Principles of forensic science crime scene investigation, concepts in physical and biological evidence, evidence collection and transport, discrimination and individualization of evidence. Even Spring.

CHS 5504 COS-CHEM 3(3.0)
Topics in Forensic Science: PR: Admission to Digital Forensics M.S. or Computer Forensics graduate certificate or C.I. History and current topics in Forensic Science. Fall.

CHS 5507 COS-CHEM 3(3.0)
Chemometrics Applications in Forensic Science: PR: CHS 5504 or C.I. Modern methods of evaluating the evidential value of forensic data from physical evidence, including fibers, glass, ignitable liquids and others. Odd Spring.

CHS 5518 COS-CHEM 3(3.0)
The Forensic Collection and Examination of Digital Evidence: PR: Adv topics in Forensic Science, graduate status, or C.I. This course will cover the nature of Digital Evidence collection and examination under the constraints of Law and courtroom procedures. Occasional.

CHS 5596 COS-CHEM 3(3.0)
The Forensic Expert in the Courtroom: PR: CHS 3503, CHS 6535, CHS 6536, or C.I. A study of the uses of technically and scientifically trained expert witnesses at trial. Even Spring.

CIS 3003 ECS-CS 3(3.0)

CIS 3362 ECS-CS 3(3.0)

CIS 3921 ECS-CS 1(1.0)
Careers in IT: PR: COP 3223C and IT major. An exploration of the IT field, job opportunities and careers in information technology, detailed information about some jobs as well as a broad survey. Fall, Spring.

CIS 3990 ECS-CS 0(0,0)
IT Career and Academic Advising I: PR: PHY 2053C and IT major. Mandatory meeting with students and their faculty advisor for career/academic advising. Fall, Spring.

CIS 4004 ECS-CS 3(3.0)
Web-Based Information Technology: PR: CNT 3004 and COP 3330 with grades of "C" (2.0) or better. Introduction to web development. HTML, CSS, JavaScript. Spring.

CIS 4203C ECS-Eecs 2(2.2)
Digital Forensics: PR: COP 4600 or CGS 3763 and (CIS 3360 or CIS 3362) or C.I. Operating system forensics, digital media forensics, networking forensic, various digital devices forensics. User activity profiling and digital storage recovery. Fall.

CIS 4361 ECS-CS 3(3.0)
Secure Operating Systems and Administration: PR: CIS 3360 with a grade of "C" (2.0) or better. Operating systems, IT security, networking, Intrusion detection, capacity planning. Spring.

CIS 4524 ECS-CS 3(3.0)
Managing IT Integration: PR: CIS 3003 with a grade of "C" (2.0) or better. Requirements, acquisition and sourcing, Integration. Project management, Testing and QA. Organizational context, Architecture. Spring.

CIS 4615C ECS-CS 3(3.1)
Secure Software Development and Assurance: PR: (COP 4600 or CGS 3763) and (CIS 3360 or CIS 3362) or C.I. Common criteria of security and assurance, secure software engineering, analyzing and auditing software, software reverse engineering. Occasional.

CIS 4940C ECS-Eecs 1(3.1)
Topics in Cybersecurity: PR: CIS 3360 or C.I. A directed and supervised investigation of selected problems, issues, and trends in cybersecurity. Emphasis on laboratory simulations of system penetration methods and network defense strategies. Spring.

CIS 4991 ECS-CS 0(0,0)
IT Career and Academic Advising II: PR: CIS 3990 and department consent. Mandatory meeting with students and their faculty advisor for career/academic advising. Fall, Spring.

CJC 3010 HPA-CJ 3(3.0)
Corrections and Penology: PR: CJC 3024 or C.I. Theories, structures, and methods of institutional and non-institutional processing and treatment of convicted criminals and juvenile offenders. Fall, Spring.

CJC 3134 PA-CJ 3(3.0)
UCF Courses and Descriptions

CJC 3164 HPA-CJ 3(3,0)
Community-Based Corrections: PR: CCJ 3024 and CJC 3164 or C.I. An overview and analysis of correction interventions and treatment programs in the community. Occasional.

CJC 4410 HPA-CJ 3(3,0)
Correctional Interventions in Criminal Justice: PR: Junior Standing and CJC 3164. Intervention techniques used with juvenile and adult offenders in institutions and community-based settings and study of the theoretical foundations. Occasional.

CJC 5020 HPA-CJ 3(3,0)
Foundations of Corrections: PR: Admission to Criminal Justice graduate program, graduate certificate, or C.I. Porfolio an overview of correctional processes in U.S., including philosophical foundations and contemporary practices. Occasional.

CJE 3001 HPA-CJ 3(3,0)
Careers in Criminal Justice: PR: Sophomore Standing and ENC 1102. Introductory course with focus on the specific roles of the Criminal Justice process (law enforcement, courts, and corrections) and employment opportunities within the criminal justice system. Fall, Spring.

CJE 3444 HPA-CJ 3(3,0)

CJE 3662 HPA-CJ 3(3,0)
CJ Information Technology and Data Management: PR: (Sophomore Standing and GGS 100C) or C.I. Designed to familiarize with concepts of database systems, and use of application to crime analysis. Occasional.

CJE 4012 HPA-CJ 3(3,0)
Criminal Profiling in Criminal Justice: PR: CCJ 3014 or (Criminal Profiling or Crime Scene Investigation Certificate declared and Junior Standing) or C.I. Examines criminal profiling techniques and police and prosecution authorities which consists of gathering, reviewing and analyzing evidence pertaining to violent crimes. Occasional.

CJE 4014 HPA-CJ 3(3,0)
Police and Society: PR: CCJ 3024 or C.I. An examination of the various roles of police in contemporary society. Emphasis is on dynamics of police/citizen interactions and the police subculture. Fall, Spring.

CJE 4174 HPA-CJ 4(4,0)
Comparative Justice Systems: PR: CCJ 3024 and CJC 3010 or C.I. A survey of contemporary foreign criminal justice and differences emerging from various political, cultural and legal systems. Occasional.

CJE 4352 HPA-CJ 3(3,0)
Policy Development in Law Enforcement: PR: Sophomore Standing and ENC 1102. The course is designed to deal with policy development in law enforcement. Major issues of organization, administration, personnel practices and police operations will be addressed. Occasional.

CJE 4410 HPA-CJ 3(3,0)
Community Policing: PR: Sophomore Standing and ENC 1102. The viability of community policing. The theoretical basis for community interventions are related to the daily operations required by community policing. Occasional.

CJE 4572 HPA-CJ 3(3,0)

CJE 4610 HPA-CJ 3(3,0)
Criminal Investigation: PR: CJE 4014 or (Criminal Profiling or Crime Scene Investigation certificate declared) or C.I. Course acquaints students with basic principles used in Criminal investigations, purpose of investigations, and ingredients for successful investigations. Fall, Spring.

CJE 4630 HPA-CJ 3(3,0)
Serial Murder and Criminal Justice: PR: Junior Standing and ENC 1102 or C.I. Study of extent, types, and explanations of serial murder, and responsibility of the general public, law enforcement, and prosecution. Occasional.

CJE 4654 HPA-CJ 3(3,0)
Crime and Place: PR: CCJ 3024 or (Criminal Analysis and Crime Mapping Certificate declared and Junior Standing) or C.I. Provides an understanding of how physical environmental features - the natural and built environment - influences crime events. Occasional.

CJE 4663 HPA-CJ 3(3,0)

CJE 5021 HPA-CJ 3(3,0)
Foundations of Law Enforcement: PR: Admission to Criminal Justice graduate program, graduate certificate program, or C.I. Examines police role in modern society and law enforcement policy. Occasional.

CJU 4564 HPA-CJ 3(3,0)
Juvenile Justice System: PR: (CCJ 3024 and CJC Majors) or Victim Advocacy Certificate declared or C.I. Examination of programs and institutions including juvenile court process, intake, court services, and remedial procedures and practices. Occasional.

CJU 3110 HPA-CJ 3(3,0)
Criminal Law in Action: PR: Sophomore Standing and ENC 1102. Basic concepts of criminal law: elements of major crimes, criminal responsibility, defenses, and parties to crime. Fall, Spring.

CJU 3510 HPA-CJ 3(3,0)
Prosecution and Adjudication: PR: CCJ 3024 or C.I. Examination of structures and goals of offices and prosecution and criminal trial courts, and of the processes of charging, adjudicating, and sentencing defendants. Fall, Spring.

CJU 4010 HPA-CJ 3(3,0)
Legal Aspects of Policing: PR: CJE 4014. The legal dimensions of various police decision-making stages; including stops and frisks; arrests; searches and seizures; wiretapping; and, interrogation. Occasional.

CJU 4046 HPA-CJ 3(3,0)
Liability Issues in Criminal Justice: PR: CCJ 3024 or C.I. Student of fundamental concepts found in civil law with an emphasis on civil liability regarding criminal justice practices. Occasional.

CJU 4410 HPA-CJ 3(3,0)

CJU 4514 HPA-CJ 3(3,0)

CJU 5049 HPA-CJ 6(6,0)
International Perspectives on Law and Justice: PR: C.I. or graduate standing. Examination of the legal and criminal justice systems of other nations and territories through lecture, seminar, research and field visits. Occasional.

CJT 3803 HPA-CJ 3(3,0)

CJT 3821 HPA-CJ 3(3,0)
Practical Security Applications: An examination of basic security principles applied to practical specific security situations encountered in the Central Florida area. Occasional.

CJT 4843 HPA-CJ 3(3,0)
Risk Management in Criminal Justice/Private Security: PR: SCC 3311 or C.I. This course examines the concept of risk management in a criminal justice context. Occasional.

CLP 3004 COS-PSYCH 3(3,0)

CLP 3143 COS-PSYCH 3(3,0)

CLP 3143H COS-PSYCH 3(3,0)

CLP 3184 COS-PSYCH 3(3,0)
Women's Mental Health: PR: PSY 2012. Social and cultural factors of mental health issues and conditions that are unique to or primarily impact women in the U.S. today. Occasional.

CLP 3302 COS-PSYCH 3(3,0)
Clinical Psychology: PR: CLP 3143. An overview of approaches to psychopathology, methods of clinical assessment, and various approaches to individual and group counseling. Fall, Spring.

CLP 3413 COS-PSYCH 3(3,0)
Contemporary Behavior Therapy: PR: CLP 3143. Emphasis on the underlying principles and the specific intervention procedures which are utilized in contemporary behavior therapy, including treatment strategies for particular behavior disorders. Occasional.

CLP 3467 COS-PSYCH 3(3,0)
Interpersonal Effectiveness and Group Psychotherapy: PR: PSY 2012. Psychological aspects of interpersonal relationships, the rationale for group therapy, and strategies for enhancing interpersonal skills and personal growth. Occasional.

CLP 4134 COS-PSYCH 3(3,0)

CLP 4314 COS-PSYCH 3(3,0)

CLP 4390 COS-PSYCH 3(3,0)

CLP 5166 COS-PSYCH 3(3,0)
Advanced Abnormal Psychology: PR: Graduate status or senior standing or C.I. Consideration of classification, causation, management and treatment of emotional disorders. Review of theories and research in the field. Lecture/Laboratory. Occasional.

CLP 5187 COS-PSYCH 3(3,0)
Mental Health and Aging: PR: Graduate status or senior standing or C.I. Introduction to assessment and intervention issues, practice and research related to problems with cognitive and emotional functioning among older adults. May be repeated for credit. Occasional.

CLT 3370 CAH-PHIL 3(3,0)
Classical Mythology: PR: Any HUM course or C.I. Myths of the Greeks & Romans studied through excerpts from ancient sources and experienced through works of art, literature, and music. Occasional.
UCF Courses and Descriptions

COP 2500C ECS-CS 3(3,1)
Concepts in Computer Science: Fundamental concepts in program design, data structures, algorithms, analysis of algorithms, and survey of topics in CS. Not open to Computer Science majors. Fall.Spring.

COP 3223C ECS-CS 3(3,1)
Introduction to Programming with C: Programming in C including arrays, pointer manipulation and use of standard C math and I/O libraries. Fall.Spring.

COP 3223H ECS-CS 3(3,0)
Honors Introduction to Programming with C: Programming in C including arrays, pointer manipulation and use of standard C math and I/O libraries. With Honors content. Fall.

COP 3330 ECS-CS 3(3,0)
Object Oriented Programming: PR: COP 3223C or EGN 3211 with a grade of "C" (2.0) or better. Object oriented programming concepts (classes, objects, methods, encapsulating, inheritance, interfaces) and the expression of these concepts in the programming languages such as JAVA. Fall.Spring.

COP 3402 ECS-CS 3(3,0)
Systems Software: PR: CDA 3103C and COP 3502C each with a grade of "C" (2.0) or better. Design and development of assemblers, linkers, loaders, and compilers. Study memory hierarchy, program performance, and system level I/O. Fall.Spring.

COP 3503C ECS-CS 3(3,1)
Computer Science I: PR: (COP 3223C or EGN 3311) and MAC 1105C all with a grade of "C" (2.0) or better. Problem solving techniques, order analysis and notation, abstract data types, and recursion. Fall.Spring.

COP 3502H ECS-CS 3(3,0)
Honors Computer Science I: PR: Permission of Honors and (COP 3223C or EGN 3211) and MAC 1105C all with a grade of "C" (2.0) or better. Problem solving techniques, order analysis and notation, abstract data types, and recursion. Spring.

COP 3503C ECS-CS 3(3,1)
Computer Science II: PR: COP 3502C and COP 3330 and (COS-POLS 2041 or C.I. Static analysis of programs including theoretical and practical limitations, data flow analysis, abstract interpretation, and type and effect systems. Tools to automate program analysis. Even Spring.

COP 4020 ECS-CS 3(3,0)
Programming Languages I: PR: COP 3503C with a grade of "C" or better and COP 3360. Paradigms and fundamental concepts of programming languages are presented, including: scope, binding, abstraction, encapsulation, typing, etc. Design paradigms object-oriented, functional and logic programming are presented. Fall.Spring.

COP 4331C ECS-CS 3(3,1)
Processes for Object-Oriented Software Development: PR: COP 3503C with a grade of "C" (2.0) or better and COP 3960 (CS majors). Concepts, principles, processes and methods for developing large software systems featuring a team project using object-oriented design in UML and implementation in C++. Fall.Spring.

COP 4516C ECS-CS 3(1,3)
Problem Solving Techniques and Team Dynamics: PR: COP 3503C with a grade of "C" (2.0) or better. Design and implement solutions to problems requiring the applications of the different algorithms. Team project format. Occasional.

COP 4520 ECS-CS 3(3,0)
Concepts of Parallel and Distributed Processing: PR: COP 3402 and COP 3503C each with a grade of "C" (2.0) or better and COP 3960 Parallel and distributed paradigms, architectures and algorithms, and the analytical tools, environments and languages needed to support these paradigms. Occasional.

COP 4600 ECS-CS 3(3,0)
Operating Systems: PR: COP 3503C and COP 3502C (CS majors) each with a grade of "C" (2.0) or better and COP 3960 (CS majors). Function and organization of operating systems, process management, virtual memory, I/O management, and file management. Fall.Spring.

COP 4710 ECS-CS 3(3,0)
Database Systems: PR: COP 3503C with a grade of "C" (2.0) or better. Storage and access Structures, database models and languages, related database design, and implementation techniques for database management systems. Fall.Spring.

COP 4910 ECS-CS 3(3,0)
Frontiers in Information Technology: PR: COT 4703C and CIS 4961. Research into leading edge information technologies that have a high likelihood of affecting the workplace in the next two to five year time frame. Fall.Spring.

COP 4924 ECS-CS 3(3,0)
Senior Design I: PR: COP 3402 and COP 3503C each with a grade of "C" (2.0) or better and consent of Department of ECS; CR: ECS 3013C. Students work in teams to demonstrate their knowledge of computer science and apply it to realistic and meaningful problems. Fall.Spring.

COP 4935 ECS-CS 3(3,0)
Senior Design II: PR: COP 4934 with a grade of "C" (2.0) or better. Students work in teams to demonstrate their knowledge of computer science and apply it to realistic and meaningful problems. Fall.Spring.

COP 5021 ECS-CS 3(3,0)
Program Analysis: PR: COP 4200 and COP 4210 or C.I. Static analysis of programs including theoretical and practical limitations, data flow analysis, abstract interpretation, and type and effect systems. Tools to automate program analysis. Even Spring.

COP 5537 ECS-CS 3(3,0)
Network Optimization: PR: Graduate standing or C.I. Techniques for modeling complex, interconnected systems as networks: optimization with graph theory; algorithms, data structures, and computational complexity; statistical methods for studying large, evolving networks. Fall.

COP 5611 ECS-CS 3(3,0)

COP 5621 ECS-CS 3(3,0)
Compiler Construction: PR: COP 4020 and COP 4210. Techniques in the design and implementation of compilers. Optimization, code generation, error recovery, and debugging. A project is required. Odd Fall.

COP 5711 ECS-CS 3(3,0)
Parallel and Distributed Database Systems: PR: COP 4710. Storage manager, implementation techniques for parallel DBMSs, distributed DBMSs, architectures, distributed database design, query processing, distributed systems. Occasional.

COT 3100C ECS-CS 3(3,1)
Introduction to Discrete Structures: PR: MAC 1105C and MAC 1114C each with a grade of "C" (2.0) or better. Logic, sets, functions, relations, combinatorics, graphs, Boolean algebra, finite-state machines, Turing machines, unsolvability, computational complexity. Fall.Spring.

COT 3100H ECS-CS 3(3,0)
Honors Introduction to Discrete Structures: PR: Permission of Honors and MAC 1105C and MAC 1114C each with a grade of "C" (2.0) or better. Logic, sets, functions, relations, combinatorics, graphs, Boolean algebra, finite-state machines, Turing machines, unsolvability, computational complexity. Occasional.

COT 3960 ECS-CS 0(1,0)
Foundation Exam: PR: COP 3502C and COP 3100C each with a grade of "C" (2.0) or better. Foundation examination for computer science majors. Required before taking advanced core courses in Computer Science and upper-division 4000 and 5000 level CS electives. Graded SU. Fall.Spring.

COT 4210 ECS-CS 3(3,0)
Discrete Structures II: PR: COP 3503C with a grade of "C" (2.0) or better and COP 3960. Computation Theory. A study of the properties of grammars and automata as formal specifications for algorithms and families of languages. Fall.Spring.

COT 4400 ECS-CS 3(3,0)

COT 4500 ECS-CS 3(3,0)

COT 4810 ECS-CS 3(3,0)
Topics in Computer Science: PR: COP 3402 and COP 3503C each with a grade of "C" (2.0) or better and COP 3960. A range of topics from the field of Computer Science: application of oral and written communication skills; social, ethical and moral issues of computing. Fall.Spring.

COT 5405 ECS-CS 3(3,0)

CPO 3034 COS-POLS 3(3,0)
Politics of Developing Areas: PR: INR 2002 or C.I. Comparative analysis of theories, problems and politics of development in Third World nations. Even Fall.

CPO 3057 COS-POLS 3(3,0)
Comparative Revolution and Political Violence: PR: ENC 1102 or C.I. Theories and cases of revolutionary change and political violence in the contemporary world. Occasional.

CPO 3103 COS-POLS 3(3,0)
Comparative Politics: PR: ENC 1102 or COS-POLS 2041 or C.I. Government and politics in selected nations, with emphasis upon comparative analysis of contemporary problems, politics, political culture, behavior, and institutions. Spring.

CPO 3104 COS-POLS 3(3,0)
Politics of Western Europe: PR: ENC 1102 or COS-POLS 2041 or C.I. An examination of the political and economic dynamics of Western Europe in the post-1945 era. Odd Spring.

CPO 3132 COS-POLS 3(3,0)
Middle Eastern Politics: PR: ENC 1102 or C.I. An examination of the dynamic of Middle East politics, including both regional and international dimensions. Occasional.

CPO 3403 COS-POLS 3(3,0)
Politics of the Middle East: PR: ENC 1102 or COS-POLS 2041 or C.I. An examination of the dynamics of Middle East politics, including both regional and international dimensions. Occasional.

CPO 3403H COS-POLS 3(3,0)
Honors Politics of the Middle East: PR: Permission of Honors. An examination of the dynamics of Middle East politics, including both regional and international dimensions. Honors level content Occasional.
CRW 5130 CAH-ENG 3(3.0)
Form and Theory in Creative Writing: PR: Admission to Creative Writing MFA or C.I. Formal and theoretical study of writing in creative genres (poetry, short fiction, etc.). May be used in the degree program a maximum of 3 times. Occasional.

CRW 5948C CAH-ENG 3(2.1)
Creative Writing Service Learning: PR: Admission to Creative Writing MFA or C.I. On-site experience leading and sharing creative writing in community settings. May be used in the degree program a maximum of 3 times. Occasional.

CWR 3201 ECS-CECE 3(3.0)
Engineering Fluid Mechanics: PR: MAP 3022, EGN 3310 both with a grade of “C” (2.0) or better; CR: EGN 3231. Fundamentals of fluid mechanics with hydraulic applications: fluid properties, hydrostatics, dimensional analysis, energy, momentum, continuity, and steady flow. Fall,Spring

CWR 4120 ECS-CECE 3(3.0)
Hydraulics: and: PR: CWR 4202C and STA 3022 both with grades of “C” (2.0) or better. Occurrence, distribution, and properties of fresh water on Earth and movement via physical processes. Application of hydrology, fluid mechanics, and computation to water resources. Fall,Spring

CWR 4124 ECS-CECE 3(3.0)
Hydrogeology: PR: CWR 4202C and CEG 4011C both with grades of “C” (2.0) or better. Fundamentals of subsurface flow and transport, role of groundwater in the hydrologic cycle, relation of groundwater flow to geologic structure, and management of contaminated groundwater. Spring.

CWR 4202C ECS-CECE 3(3.2)
Hydraulics: PR: CWR 3201 with a grade of “C” (2.0) or better. Application of basic principles of fluids at rest and in motion to analysis and design of hydraulic systems. Empirical relationships for practical engineering problems. Fall,Spring

CWR 4632C ECS-CECE 4(3.2)
Water Resources Engineering I: PR: STA 3022 and CWR 3201 both with a grade of “C” (2.0) or better. Descriptive and quantitative aspect of water in the earth’s environment and its engineering implications, including analysis of surface water systems, design of hydraulic structures, and stormwater management. Fall,Spring. M&S fee $21.00

CWR 4633C ECS-CECE 3(3.2)
Water Resources Engineering II: PR: CWR 4632C with a grade of “C” (2.0) or better. Provision of advanced hydrologic and hydraulic knowledge for the design of storm water, potable and sewer transmission systems using local and state regulations. Fall,Spring. M&S fee $15.00

CWR 5125 ECS-CECE 3(3.0)
Groundwater Hydrology: PR: CWR 4633C or C.I. Theories of groundwater movement, groundwater analysis and design techniques, etc. Emphasis on practical considerations. Occasional.

CWR 5205 ECS-CECE 3(3.0)

CWR 5515 ECS-CECE 3(3.0)
Numerical Methods in Civil and Environmental Engineering: PR: CWR 4633C or C.I. This course will present an intermediate to advanced numerical methods theory and include code development and error assessment, while targeting civil and environmental engineering applications. Occasional.

CWR 5545 ECS-CECE 3(3.0)
Water Resources Engineering: PR: CWR 4633C or C.I. Systems identification and solution to complex water allocation problems, and other hydraulic engineering designs and operations using economic analysis and operations research techniques. Occasional.

CWR 5634 ECS-CECE 3(3.0)
Water Resources in a Changing Environment: PR: CWR 4632C. To model and understand potential impact of climate change and human activities on hydrologic systems and various spatial and temporal scales. Odd Fall

DAA 2000C CAH-THEA 2(2.2)
Introduction to Theatre Dance: Basic ballet, tap, and jazz technique. Recommended for students with no formal dance training. May be used in the degree program a maximum of 2 times. Occasional.

DAA 2100C CAH-THEA 2(2.1)
Modern Dance I: PR: Declared Theatre major or Dance minor and “C” (2.0) or better in DAA 2200C or department consent. Exploration of form, style, and technique in creative movement. Includes practical class work and history lectures. Fall.

DAA 2200C CAH-THEA 2(2.1)
Ballet I: PR: Theatre major. Dance minor, or department consent. Fundamentals of classical ballet, includes practical dance work as well as dance history lectures. Fall.

DAA 2201C CAH-THEA 2(2.1)
Ballet II: PR: Theatre major, Dance minor, or department consent. Intermediate classical ballet technique, including principles, theory, and practice technique. Spring.

DAA 2300 ED-EHSH 2(2.0)
Ballroom Dance: Instruction in selected ballroom dances (foxtrot, waltz, rumba, swing, samba, cha cha, tango, quickstep) focusing on dance and fitness aspects of ballroom dancing. Fall,Spring.

DAA 2351 ED-EHSH 2(2.0)
Salsa & Latin Dance: Instruction in salsa and selected other Latin dances (merengue, bachata, cha cha) focusing on Latin dance and fitness aspects of ballroom dancing. Fall,Spring.

DAA 2393C CAH-THEA 2(2.1)
World Dance I: PR: Theatre major or Dance minor, and “C” (2.0) or better in DAA 2200C or department consent. Theory and applied technique with focus on one form, such as African dance, Flamenco, Irish dance, Indian dance, etc. Occasional.

DAA 2520C CAH-THEA 2(2.1)
Tap Dance I: PR: Theatre major, Dance minor, or departmental consent. Form, style, and technique in the basic fundamental movements of tap dance. Fall.

DAA 2521C CAH-THEA 2(2.1)
Tap Dance II: PR: Theatre major, Dance minor, or department consent, and C (2.0) or better required in DAA 2520C. Intermediate exploration of form, style, and technique of tap dance. Spring.

DAA 2570C CAH-THEA 2(2.1)
Jazz Dance I: PR: DAA 2200C and Theatre major, or Dance minor, or department consent. Basic movements of American Jazz dance, including practical class work and Jazz dance history. Fall,Spring.

DAA 2571C CAH-THEA 2(2.1)
Jazz Dance II: PR: Theatre major, Dance minor, or department consent, and C (2.0) or better required in DAA 2570C. Intermediate Jazz dance using theory and practice in jazz technique. Spring.

DAA 3004L CAH-THEA 1(0.2)
Dance Studio: PR: Theatre Major, Theatre Minor or Dance Minor and “C” (2.0) or better in any DAA course offered by the Theatre. Periodic attendance at departmental dance classes with individual instructors. Graded S/U. May be repeated for credit. Fall,Spring.

DAA 3208C CAH-THEA 2(2.1)
Ballet III: PR: Theatre major, Dance minor, or department consent, and “C” (2.0) or better required in DAA 2201C. Advanced classical ballet technique, including principles, theory, and practice technique. May be repeated for credit. Fall.

DAA 3508C CAH-THEA 2(2.1)
Jazz Dance III: PR: Theatre major, Dance minor, or department consent, and “C” (2.0) or better required in DAA 2201C. Advanced study of jazz dance, including theory and practice of jazz technique. May be repeated for credit. Fall.

DAA 3524C CAH-THEA 2(2.1)
Tap Dance III: PR: Theatre major, Dance minor, or department consent, and “C” (2.0) or better required in DAA 2521C. Advanced exploration of form, style, and technique of tap dance. May be repeated for credit. Fall.

DAA 3612 CAH-THEA 3(3.0)

DAA 3645 CAH-THEA 2(0,VAR)
Choreography Practicum: PR: Theatre major, Dance minor, or department consent, and “C” (2.0) or better required in DAA 2100C. Student practice in choreographing a concert dance work for public performance. May be used in the degree program a maximum of 5 times. Spring.

DAA 3684 CAH-THEA 1(0,VAR)
Dance Performance: PR: Theatre major, Dance minor, or department consent, and “C” (2.0) or better required in DAA 2200C and audition. Student performance in a concert dance work. May be repeated for credit. Spring. M&S fee $15.00

DAE 3370 ED-EHSH 2(1,2)

DAN 3134 CAH-THEA 3(3.0)
Dance History I: PR: ENC 1101 or any 2000-level History course or C.I. The roots, trends, and styles of dance from prehistory through the early 20th century. Fall.

DEP 2004 COS-PSYCH 3(3.0)

DEP 2004H COS-PSYCH 3(3.0)
Honors Developmental Psychology: PR: PSY 2012. The effects of genetic, psychological, maturational, and social factors on behavior throughout the life cycle. With Honors content. Fall.

DEP 3202 COS-PSYCH 3(3.0)

DEP 3464 COS-PSYCH 3(3.0)

DEP 5057 COS-PSYCH 3(3.0)
Developmental Psychology: PR: Graduate status or senior standing or C.I. Psychological aspects of development including intellectual, social, and personality factors. Spring.

DIG 2000 CAH-SVAD 3(3.0)
Introduction to Digital Media: PR: ENC 1101 and MAC 1105C. Introduction to history, principles, and procedures associated with digital media and imaging for digital media with emphasis on production and communication. Fall,Spring.

DIG 2109 CAH-SVAD 3(3,0) Digital Imaging Fundamentals: CR: DIG 2000. Introduces concepts and principles of image creation, and the tools and techniques of image capture, creation, manipulation, and integration for design concepts. Fall, Spring.


DIG 3003 CAH-SVAD 3(3,0) Adventures in Emerging Media: PR: ENC 1101. Examines the rules and culture of emerging media. The course is presented online in a nonlinear "Choose your own adventure" format. Occasional.

DIG 3024 CAH-SVAD 3(3,0) Digital Cultures & Narrative: PR: DIG 2030, DIG 2109, DIG 2500, and a minimum grade of "B" (3.0) in DIG 2000. Understanding of digital cultures and narrative theory from an interdisciplinary perspective. Conceptual structure and design of visual and interactive storytelling. Fall, Spring.

DIG 3043 CAH-SVAD 3(3,0) Evolution of Video Games: PR: ENC 1101. Evolution of video games since the first game in the early 1950s to contemporary games. Fall, Spring.

DIG 3110 CAH-SVAD 3(3,0) Digital Tools and Technologies: Graphic Design: PR: Grade of "C" (2.0) or better in DIG 2000 or C.I. Composition, editing, and manipulation of digital imagery using Adobe Photoshop, including layering, typographic design, and working with images. Fall, Spring.


DIG 3153 CAH-SVAD 3(3,0) Writing for Digital Media: PR: Minimum grade of "B" (3.0) in DIG 2000. Methodologies, fundamentals, and history of written communications for the digital age. Application of methods and fundamentals in the following areas: language theory, document design, markup languages and the editing process. Fall, Spring.

DIG 3171 CAH-SVAD 3(3,0) Tools for Digital Humanities: PR: ENC 1102 or C.I. Examination of digital tools and techniques, including web and games, used for projects and research in digital humanities. Occasional.

DIG 3253C CAH-SVAD 3(2,2) Digital Media Audio: PR: DIG 3480. Audio production processes for multimedia and new media production, including examination and use of audio and MIDI sequencing software. Fall, Spring.

DIG 3355C CAH-SVAD 3(2,2) Artificial Environments and Effects: PR: DIG 2109 and C.I. CR: DIG 3951. Design and manipulation to convey a story, thought, and concept in visual medium. New imagery in motion such as non-character entities, music videos, and scientific visualization. Fall, Spring.

DIG 3362C CAH-SVAD 3(2,2) Artistic Character Design: PR: DIG 2109 and C.I. CR: DIG 3951. Processes and techniques for design and manipulation of artificial characters to convey story, thought, or concept in a visual medium. Fall, Spring.


DIG 3450 CAH-SVAD 3(3,0) Interactive Performance I: PR: Admission by audition only. Digital Media, Theatre majors, or C.I. Techniques of interactive acting, with emphasis on interpersonal awareness and audience facilitation. Fall, Spring.

DIG 3450H CAH-SVAD 3(3,0) Honors Interactive Performance I: PR: C.I. and consent of Honors. Techniques of interactive acting, with emphasis on interpersonal awareness and audience facilitation. With Honors content. Occasional.

DIG 3480 CAH-SVAD 3(3,0) Computer as a Medium: PR: DIG 2500 and a minimum grade of "B" (3.0) in DIG 2000. Fundamentals of client-side scripting with an emphasis on web technologies. Development of interactive web sites using current scripting languages. Fall, Spring.

DIG 3525 CAH-SVAD 3(3,0) Digital Media Production I: PR: DIG 2030, DIG 2109, DIG 2500, and a minimum grade of "B" (3.0) in DIG 2000. Module: Design and execution; group dynamics. Software tools for project planning, scheduling and management. Fall, Spring.


DIG 3554 CAH-SVAD 3(3,0) Digital Tools and Techniques: Web Design: PR: Grade of "C" (2.0) or better in DIG 2000 or C.I. Creative and functional website design and development using Adobe Dreamweaver, including use of CSS, HTML, and incorporation of media and mobile design. Fall, Spring.

DIG 3563 CAH-SVAD 3(3,0) Information Management and Entrepreneurship: PR: DIG 3525. Managing digital assets from both technical and fiduciary aspects with a view towards creating, storing, retrieving assets, and authoring of databases and file types. Introduction of basic financial and entrepreneurial elements of starting and running a small business. Fall, Spring.

DIG 3716C CAH-SVAD 3(2,2) Internet Interaction: PR: DIG 3480. Front end planning and design of web pages. Design using markup languages and style sheets to produce visually pleasing and usable interactive interfaces. Fall, Spring.

DIG 3811 CAH-SVAD 3(3,0) User-Centered Design: PR: DIG 3525. Applying knowledge about cognition and behavior to design usable interfaces and systems. Fall, Spring.

DIG 3951 CAH-SVAD 3(0) Character Animation Portfolio Review: PR: DIG 4451C or DIG 4359C, successful portfolio review, or C.I. Review of relevant digital and artistic works in a student's portfolio. Graded S/U. Fall.

DIG 4104C CAH-SVAD 3(2,2) Web Design Workshop: PR: DIG 3144C, DIG 3171C, DIG 3563, and DIG 3811. Students will practice designing and implementing professional-quality websites. May be used in the degree program a maximum of 2 times. Fall, Spring.

DIG 4204C CAH-SVAD 3(2,2) Generating and Manipulating Digital Imagery: PR: DIG 2030, DIG 2109, and DIG 2500; or C.I. CR: DIG 3951. Core techniques for creating and manipulating second and third digital representations. Fall, Spring.

DIG 4206C CAH-SVAD 3(1,4) New Imagery in Motion Workshop: PR: DIG 4206C, successful portfolio review, or C.I. Conceptual and technical aspects of scripting, image processing, 3D/2D data acquisition while practicing the use of generators, filters, particles, masks, and audio into digital projects. Spring.

DIG 4323C CAH-SVAD 3(1,4) Modeling for Visual Language: PR: DIG 4415C or C.I. Application of techniques taught to model, rig, and prepare artificial characters so that they may be animated effectively and express narrative for digital production. Fall.
DIG 4503 CAH-SVAD 3(3,0)

DIG 4522 CAH-SVAD 3(3,0)
Digital Media Service: PR: DIG 3035. Practicum in which students utilize their digital media skills to create media rich products. May be used in the degree program a maximum of 4 times. Fall, Spring.

DIG 4526 CAH-SVAD 3(3,0)
Digital Media Production II: PR: DIG 3525 and a minimum grade of "B" (3.0) or better in DIG 2000. Management and execution of large digital media projects, using current methods and tools learned in Digital Media Production I. Fall, Spring.

DIG 4530C CAH-SVAD 3(2,2)
Media for e-Commerce: PR: DIG 3134C and DIG 3716C. The applications of server-side internet programming languages and media theory to e-commerce, internet security, and online portals. Fall, Spring.

DIG 4624C CAH-SVAD 3(1,4)
Digital Production in Artificial Environments: PR: DIG 4595C, successful portfolio review, or C.I. Application of techniques to continue building artificial environments and effects, addressing lighting, continuity, movement, time and mood to help express a narrative for digital production. Fall.

DIG 4630C CAH-SVAD 3(2,2)
Media Business Practices: PR: DIG 3525. Media business practices for working with interactive web sites and other media interfaces. Core skills related to e-commerce and other forms of dynamic media. Fall, Spring.

DIG 4693C CAH-SVAD 3(2,2)
Production Software Workshop: PR: DIG 3134C or C.I. Advanced programming techniques for a variety of web-based applications using ActionScript, including input text, variables, physics, artificial intelligence, collision detection, user interaction, and animation. Spring.

DIG 4704 CAH-SVAD 3(3,0)
Interactive Entertainment: PR: DIG 3525 or C.I. Ways to apply diverse skills of film making to digital media, non-linear story telling, virtual reality, video games and non-traditional education and military simulation. Fall, Spring.

DIG 4713 CAH-SVAD 3(3,0)
Game Design: PR: DIG 3024, DIG 3525 and declared Game Design Track. Principles and theories of video game design including design, content, interaction, and game play design. Project based. Fall, Spring.

DIG 4715C CAH-SVAD 3(2,2)
Game Production: PR: A minimum grade of "B" (3.0) in DIG 4713 and a satisfactory portfolio review. Principles and theories of video game production, including project planning, scripting, 3D modeling and texture, level design, and audio. Project based. Fall, Spring.

DIG 4720C CAH-SVAD 3(2,2)
Casual Game Production: PR: DIG 2500, a minimum grade of "B" (3.0) in DIG 4713, and a satisfactory portfolio review. Students will learn to design and implement casual video games using professional tools and iterative design techniques. Fall, Spring.

DIG 4725C CAH-SVAD 3(2,2)
Game Design Workshop: PR: DIG 4715C, FL 3720C, a minimum grade of "B" (3.0) in DIG 4713, and a satisfactory portfolio review. Students will learn to design and implement video games using professional tools and iterative design techniques. May be used in the degree program a maximum of 4 times. Fall, Spring.

DIG 4780C CAH-SVAD 3(2,2)

DIG 4855 CAH-SVAD 3(3,0)
Converging Media Capstone: PR: GEB 3031 Cornerstone and 12 hours of restricted electives within the Visual Arts and Emerging Media Management Track. Team based converging media projects leading to a capstone project that emphasizes creative thinking, prototype, development, marketing, and assessment parallelizing the business world. Even Fall, Even Spring.

DIG 5045C CAH-FIEA 3(1,3)
Principles of Interactive Entertainment I: PR: Admission to Digital Media MS program or C.I. Interactive digital content creation technologies and development processes. Fall.

DIG 5048C CAH-FIEA 3(1,3)
Principles of Interactive Entertainment II: PR: DIG 5045C or C.I. Advanced principles of interactive digital content creation technologies and development processes. Fall.

DIG 5137 CAH-SVAD 3(3,0)
Information Architecture: PR: Film and digital media majors or C.I. Exploration of the process of formal design of interactive processes, examining the theories of usability and object oriented design. Fall.

DIG 5487 CAH-SVAD 3(3,0)
Principles of Visual Language: PR: Film and digital media majors or C.I. Overview of Visual Language, including the nature of perceptions and cognitions of imagery. Fall.

DIG 5529C CAH-FIEA 3(1,3)
Production for Media: PR: Admission to Digital Media MS program or C.I. Theories and practices of production processes for interactive entertainment. Fall.

DIG 5548C CAH-FIEA 3(1,3)
Rapid Prototype Production I: PR: Admission to Digital Media MS program or C.I. Students engage in interdisciplinary teams to create rapid development projects. Fall.

DIG 5549 CAH-FIEA 3(3,0)
Experimentation, Application, and Innovation in Games: PR: DIG 5529C or C.I. Survey and development of games being used in non-traditional applications, such as medical simulation, education and research. Spring.

DIG 5565C CAH-SVAD 3(1,3)

DIG 5637 CAH-FIEA 3(3,0)
Game Programming Fundamentals: PR: Admission to FIEA M.S. in Interactive Entertainment program or C.I. An introduction to real-time game programming fundamentals, including computer architecture and low-level programming and optimization. Specific attention to game consoles and cross-platform software development. Fall.

DIG 5810 CAH-SVAD 3(3,0)
Ways of Seeing: Cultural and Technological Perspectives: PR: Admission to Film and Digital Media master's program or C.I. Cultural and technological perspectives formed by the intersection of media and cultural studies, art history and criticism, and cinema studies. Fall.

DIG 5875C GRDST-INTERDIS 3(2,2)
Introduction to Modelling and Simulation: PR: STA 2023 or equivalent. Introduction to the theory and practice of modeling and simulation with emphasis on multidisciplinary scientific underpinnings. Fall.

DIG 5876 GRDST-INTERDIS 3(3,0)
Quantitative Aspects of Modeling and Simulation: PR: Graduate Standing or C.I. Introduction to matrix algebra and other discrete mathematics topics for modeling and simulation applications. Spring.

DSC 4012 HPA-CJ 3(3,0)
Terrorism: PR: Sophomore Standing and ENC 1102. An examination of competing ideologies of a variety of social and political conflicts (both international and domestic) that give rise to terrorism and of the implications for the criminal justice system. Occasional.

DSC 4013 HPA-CJ 3(3,0)

EAB 3703 COS-PSYCH 4(4,0)
Principles of Behavior Modification: PR: PSY 2082. An examination of the control of behavior through applications of principles and theories of learning. Examples are drawn from clinical and social psychology and from child rearing. Fall.

EAB 3706 COS-PSYCH 4(4,0)
Behavior Modification - Part II: PR: EAB 3703C. Continued examination of the principles of behavior analysis and their application, as well as ethical issues related to the delivery of behavior analysis programs. Occasional.

EAB 5765 COS-PSYCH 3(3,0)
Applied Behavior Analysis with Children and Youth: PR: Graduate standing or senior standing or C.I. Advanced survey of principles, procedures, and techniques of applied behavior analysis, with special attention to applications with children and youth. Occasional.

EAP 1850 CAH-LANG 6(6,0)
English for Academic Purposes I: PR: Admission to the Global Achievement Academy (GAA). Development of academic skills for international students. Topics include academic reading and vocabulary development; listening and note-taking; and writing practice and oral communication. Fall, Spring.

EAP 2851 CAH-LANG 3(3,0)
English for Academic Purposes II: PR: Admission to the Global Achievement Academy (GAA) and a grade of "C" (2.0) or higher in EAP 1850 or consent of Global Achievement Academy. Development of academic skills for international students. Topics include academic reading and vocabulary development; listening and note-taking; and writing practice and oral communication. Fall, Spring.

EAS 3010 ECS-MECH/AERO 3(3,0)
Fundamentals of Aerospace Flight: PR: EGN 3251 and a "C" (2.0) or better in all of the following prerequisites: MAC 2311C, MAC 2312 and PHY 2048C; CR: EGN 3343. Fundamental theories of inviscid, incompressible aerodynamics and flight dynamics, airflow theory, external and internal flows, airplane performance. Fall.

EAS 3101 ECS-MECH/AERO 3(3,0)
Fundamentals of Aerodynamics: PR: EML 3701. Viscous, incompressible fluid flow; flow over finite wings; aerodynamic design; introduction to computational fluid dynamics. Spring.

EAS 3530 ECS-MECH/AERO 3(3,0)

EAS 3800C ECS-MECH/AERO 3(2,3)

EAS 3810C ECS-MECH/AERO 3(1,3)
Design of Aerospace Experiments: PR: EAS 3800C, and EAS 3010 or EML 3701. Extension of EAS 3800C. Design of experiments in aeronautical/aerospace system which stress the emphasis on project team activity. Spring, M&S fee $45.00.

EAS 3933 ECS-MECH/AERO 0(0,0)
Aerospace Career and Academic Faculty Advising I: PR: MAP 2302. Mandatory meeting with students and their faculty advisor for career/academic advising. Graded S/U. Fall, Spring.
EAS 4105 ECS-MECH/AERO 3(3,0)

EAS 4134 ECS-MECH/AERO 3(3,0)
High-Speed Aerodynamics: PR: EAS 3101. Normal and oblique shock waves, nozzles and wind tunnels, methods of analyzing compressible flow about airfoils, and boundary layers and applications to the design process. Fall.

EAS 4154 ECS-MECH/AERO 3(3,0)

EAS 4200 ECS-MECH/AERO 3(3,0)

EAS 4300 ECS-MECH/AERO 3(3,0)

EAS 4400 ECS-MECH/AERO 3(3,0)

EAS 4404C ECS-MECH/AERO 3(2,3)
Discrete Control in Aerospace Vehicles: PR: EAS 3800C and (EAS 4210 and EML 4312C) or (EML 4225 and EML 4313). Discrete control aspects of aerospace vehicles, digital controller, design, state-space representation, Z-transform, system response. Spring. M&S fee $15.00

EAS 4505 ECS-MECH/AERO 3(3,0)
Orbital Mechanics: PR: EGN 3321 and a C (2.0) or better in all of the following: MAC 2311C, MAC 2312, MAC 2313, MAP 2302 and PHY 2048. Two-body problem, orbit equations, orbital transfer, earth satellite operation. Spring.

EAS 4700C ECS-MECH/AERO 3(1,6)
Aerospace Design I: PR: EGN 3373, EAS 3800C, (EAS 3010 or EML 3701), EML 4142, EML 4225, and department consent. CR: EAS 4991. Application of the design process to the team solution of a state-of-the-art problem. Airplanes and space vehicles, systems and devices are considered. Fall, Spring.

EAS 4703C ECS-MECH/AERO 3(2,4)
Small Satellite Systems and Integration: PR: EML 3300C or EAS 3800C or EEL 4634C or ESI 4623. Evaluate overall impact of integration and design concepts on various satellite component subsystems and their payloads into a small satellite system design leading to a final configuration. Occasional. M&S fee $45.00

EAS 4710C ECS-MECH/AERO 3(1,6)
Aerospace Design II: PR: EAS 4700C, EAS 4931. Continuation of the design process in the team building and testing of a prototype/model of an airplane, spacecraft, system or device. Fall, Spring. M&S fee $80.00.

EAS 4931 ECS-MECH/AERO 0(0,0)
Aerospace Career and Academic Faculty Advising II: PR: EAS 3933 and department consent. Mandatory meeting with students and their faculty advisor for preparation and academic advising. Graded S/U. Fall, Spring.

EAS 5123 ECS-MECH/AERO 3(3,0)

EAS 5157 ECS-MECH/AERO 3(3,0)

EAS 5211 ECS-MECH/AERO 3(3,0)
Aerelasticity: PR: EAS 3011 or EML 3701 and EAS 4210 or EML 4220. Concerned with consequences and trade-offs created by interactions between aerodynamic forces and structural deformation. Static aeroelastic problems; control effectiveness; lift effectiveness; divergence. Dynamic aeroelasticity; flutter and vibration. Occasional.

EAS 5302 ECS-MECH/AERO 3(3,0)

EAS 5315 ECS-MECH/AERO 3(3,0)
Rocket Propulsion: PR: EAS 4134 or EML 4703. Analysis and performance of rocket motors; selection and thermodynamics of chemical propellants; liquid and solid propellant rockets. Occasional.

EAS 5407C ECS-MECH/AERO 3(2,3)

EAS 5535 ECS-MECH/AERO 3(3,0)
Engineering Design for Aerospace Vehicles: PR: EAS 4700C, EAS 4710C, EML 4561C. Design control techniques for aerospace systems. A system approach will be emphasized. Techniques for optimizing interface requirements will be covered. Occasional.

ECM 4504C ECONOMICS 4(3,3)

ECO 2013 BA-ECON 3(3,0)
Principles of Macroeconomics: An introduction to macroeconomics, including an overview of the market economy, national income, employment, and price level determination, stabilization policies, and international economics. Fall, Spring.

ECO 2013H BA-ECON 3(3,0)
Honors Principles of Macroeconomics: PR: Permission of Honors. Same as ECO 2013 with honors-level content. Fall, Spring.

ECO 2023 BA-ECON 3(3,0)
Principles of Microeconomics: The determination of prices in a market economy; their role in allocating consumer and producer goods and in distributing incomes, including attempts to improve market efficiency through public policy. Fall, Spring.

ECO 2023H BA-ECON 3(3,0)
Honors Principles of Microeconomics: PR: Permission of Honors. Same as ECO 2023 with honors-level content. Fall, Spring.

ECO 3203 BA-ECON 3(3,0)

ECO 3223 BA-ECON 3(3,0)

ECO 3401 BA-ECON 3(3,0)
Quantitative Business Tools I: PR: MAC 1105C with a C (2.0) or better. Introduction to mathematical and statistical analysis of economics and business problems. Fall, Spring.

ECO 3410 BA-ECON 3(3,0)

ECO 3411 BA-ECON 3(3,0)
Quantitative Business Tools II: PR: ECO 3401 with a grade of C (2.0) or better. The use of statistical methods as scientific tools in the analysis of economics and business problems. Fall, Spring.

ECO 3703 BA-ECON 3(3,0)
International Microeconomics: PR: ECO 3101. Fundamental principles of Classical and Neoclassical international trade theories, as well as trade's impact on global resource flows and the impact of trade on the developing world. Trade policy both in theory and practice is also examined. Fall.

ECO 3704 BA-ECON 3(3,0)

ECO 4303 BA-ECON 3(3,0)

ECO 4400 BA-ECON 3(3,0)
Game Theory and Economics: PR: ECO 3101. A study of the strategic decision-making of parties having an interdependent nature of the global economy, their role in allocating consumer and producer goods and in distributing incomes, including attempts to improve market efficiency through public policy. Fall, Spring.

ECO 4412 BA-ECON 3(3,0)

ECO 4504 BA-ECON 3(3,0)

ECO 4713 BA-ECON 3(3,0)
International Macroeconomics: PR: ECO 3101 or ECO 3203 or ECO 3223. International macroeconomics with review and analysis of current international macroeconomics, financial issues, policies and events. Fall, Spring.

ECO 4751 BA-ECON 3(3,0)

ECO 4902 BA-ECON 1(1,0)
Capstone in Economics: PR: ECO 3101 or ECO 3203 or ECO 3223 or ECO 3411. Senior Standing, Economics Major. Students use critical thinking and written communication to integrate and apply material learned in economics courses to economics problem and policies. Graded S/U. Fall, Spring.
EDG 4941 ED-TL&L 3(3,0) Directed Field Experience: PR: Approval of Professional Laboratory, Field experience in an appropriate educational setting under the direction of a supervising teacher and/or university supervisor. Occasional.

EDG 4954 ED-TL&L 3(3,0) International Education Field Experiences: PR: Junior standing or C.I. A guided field experience for students participating in a study abroad program. Students gain insights into global and local issues through educational and cultural experiences. Fall, Spring.

EDG 5356 ED-TL&L 3(3,0) Instructional Coaching: PR: Graduate standing or C.I. This course will prepare educators to become instructional coaches, developing skills and methods to impact student achievement by influencing teachers' instructional practices. Occasional.

EDG 5745 ED-TL&L 3(3,0) Teaching the Non-English Student: PR: C.I. Bilingual and non-linguistic instruction in curriculum areas in English as a second language. Occasional.

EDG 5941 ED-TL&L 2-8(0,1) Clinical Practice: PR: Admission to STEP II, III or IV. Clinical Internship in an appropriate educational setting under the direction of a university supervisor or peer teacher. Occasional.

EDF 2005 ED-TL&L 3(3,0) Adult Development & Learning: An examination of theory and research on adult learning and development with emphasis on practical applications, instruction, and technology use in educational and workplace settings. Fall, Spring.

EDF 2270 ED-TL&L 3(3,0) Classroom Assessment & Evaluation: PR: EDF 2085, EME 2040, or C.I. Application of learning theory and assessment principles to classroom teaching situations during a fifteen hour in-school experience required. Even Fall.

EDF 4467 ED-TL&L 3(3,0) Learning Theory and Assessment: PR: EDF 2055, EDF 2085, EME 2040, or C.I. Application of learning theory and assessment principles to classroom teaching situations during a fifteen hour in-school experience required. Fall, Spring.

EDF 4467H ED-TL&L 3(3,0) Honors Learning Theory and Assessment: PR: EDF 2055, EDF 2085, and EME 2040, or C.I. Application of learning theory and assessment principles to classroom teaching situations during a fifteen hour in-school experience required. A theoretical/conceptual debate. Fifteen hour in-school experience required. Even Fall.

EDF 4603 ED-TL&L 3(3,0) Analysis and Application of Ethical, Legal, and Safety Issues in Schools: PR: EDF 2005, EDF 2085, EME 2040 or C.I. Critical analysis of contemporary educational issues, including ethical, safety, legal, cultural, and linguistic considerations which directly impact schooling in a democracy. Fall, Spring.

EDF 4603H ED-TL&L 3(3,0) Honors Analysis and Application of Ethical, Legal and Safety Issues in Schools: PR: Consent of Honors. Critical analysis of contemporary educational issues, including ethical, safety, legal, cultural, and linguistic considerations which directly impact schooling in a democracy with Honors content. Fall.

EDF 5607 ED-TL&L 3(3,0) Language, Culture and Pedagogy: Impact and Implications: PR: C.I. Explores in-depth issues surrounding learning of students from linguistically and culturally diverse populations. Research on language, culture and pedagogy will be highlighted. Occasional.

EDG 1005C ED-TL&L 2(1,1) Foundations of Leadership: PR: LEAD Scholars Program. Seminar for LEAD Scholars in the College of Education providing a foundation of leadership, scholarship, and service regarding disciplines in the college. Fall, Spring.

EDG 2311 ED-TL&L 3(3,0) Teaching Strategies for Substitute Teachers: Planning, adapting and implementing effective instructional practices and assessing student performance in K-12 settings with diverse populations. Fall, Spring.

EDF 2270 ED-TL&L 3(3,0) Adult Development & Learning: An examination of theory and research on adult learning and development with emphasis on practical applications, instruction, and technology use in educational and workplace settings. Fall, Spring.

EDF 2324 ED-TL&L 3(3,0) Learning Theory & Practice: PR: TSL 4240, EEC 4268, EEX 4350 and completion of semester II in the junior year. Corequisites: MAE 4300, RED 4311, SCE 4500. Seminar course which combines coursework, research, and practical experience. Fall, Spring.

EDF 2466 ED-TL&L 3(3,0) Early Childhood Program Evaluation: PR: Admission to Early Childhood Education Program. An integrated approach to curriculum planning and scheduling involving materials, strategies, and environments for young children which emphasize active learning. Fall, Spring.


EDF 3008 ED-TL&L 3(3,0) Early Childhood Children's Literature: PR: Admission into the Early Childhood Development and Education Program (Track 2). A study of literature written for children ages birth through kindergarten, including an introduction to genres, authors and illustrators of children's books. Spring.

EDF 3214 ED-TL&L 3(3,0) Child Development: PR: Admission to the Early Childhood Development and Education Program - Track 2. Provides pre-service early childhood professionals with an overview of theories and research related to early childhood development (Birth-Age 8). Fall, Spring.

EDF 3613 ED-TL&L 3(3,0) Observation and Assessment of Young Children: PR: Admission to Early Childhood Education Program. An examination of the implication for curriculum development. Occasional.

EDF 3700 ED-TL&L 3(3,0) Social and Emotional Development of Young Children: Provides an in-depth understanding of the social and emotional development of the young child. Fall.


EDF 4211 ED-TL&L 3(3,0) Science and Math Learning for Young Children: PR: Admission into Early Childhood Development and Education Program (Track 3), EEC 4303, and EEC 4528. Methodologies for teaching and assessing young children in mathematics and science concepts and skills through an integrated developmentally appropriate program. Fall.

EDF 4235C ED-TL&L 3(2,1) Early Childhood Education Seminar: Bridging Theory to Practice: PR: TSL 4240, EEC 4268, EEX 4350 and completion of semester II in the junior year. Corequisites: MAE 4300, RED 4311, SCE 4500. Seminar course which combines coursework, research, and practical experience. Fall, Spring.


EEE 4463 ECS-ECE 3(3.0)
MEMS Devices and Applications: PR: EEE 3350 or C.I. Micro-Electro Mechanical Systems devices, microfabrication, sensors and actuators, bulk and surface micromachining, optical MEMS, instrumentation and applications. Fall.

EEE 5265 ECS-ECE 3(3.0)
Biomechanical Effects and Applications of Electromagnetic Energy: PR: EEL 3470 or C.I. RF and Microwave energy and their interaction with biological materials. Specific biomechanical effects such as absorption, thermal therapy, hyperthermia, etc., will be discussed. Even Spring.

EEE 5272 ECS-ECE 3(3.0)
Birefringent Sensing: PR: EEL 4750 or EEL 4852 or C.I. Study of engineering concepts behind the various biomedical sensors used to monitor a patient undergoing clinical therapy. Occasional.

EEE 5332C ECS-ECE 3(2,1)
Thin Film Technology: PR: EEE 3350 or equivalent. Presents the various thin film deposition techniques for the fabrication of microelectronic, semiconductor, and optical devices. Occasional. M&S fee $70.00

EEE 552C ECS-ECE 3(3.2)
Semiconductor Material and Device Characterization: PR: EEE 3550 or C.I. Semiconductor material characterization and fabrication, carrier lifetime, device properties, threshold voltage, interface charge of MOS devices, optical and surface characterization of films. Odd Fall.

EEE 5533 ECS-ECE 3(3.0)
Semiconductor Device Modeling Simulation: PR: EEE 3307C. Large signal and small signal model development for semiconductor diodes, BJTs, and MOSFETs. Parameter extraction, numerical methods, and SPICE simulation. Even Fall.

EEE 556C ECS-ECE 4(3.3)
Fabrication of Solid-State Devices: PR: EEE 3350. Fabrication of microelectronic devices, processing technology, ion implantation and diffusion, device design, and layout. Laboratory includes device processing technology. Fall. M&S fee $70.00

EEE 5570 ECS-ECE 3(3.0)

EEE 5578 ECS-ECE 3(3.0)
CMOS Analog and Digital Circuit Design: PR: EEE 4300C. Advanced principles and design techniques for CMOS ICs including most recent published results. Fall.

EEE 5590C ECS-ECE 3(2,3)
Full-Custom VLSI Design: PR: EEE 3307C and EEE 3342C with a grade of "C" (2.0) or better grade. Provides background in integrated devices, circuits, and digital subsystems needed for design and implementation of silicon logic chips. Occasional.

EEE 5513 ECS-ECE 3(3.0)

EEE 5542 ECS-ECE 3(3.0)

EEE 5555 ECS-ECE 3(3.0)
Surface Acoustic Wave Devices and Systems: PR: EEL 3552C. Course discusses SAW technology which includes the physical phenomenon, transducer design, and synthesis, filter design and performance parameters. Actual devices and communication systems are presented. Occasional.

EEE 5557 ECS-ECE 3(3.0)

EEE 3004C ECS-ECE 3(3.2)
Electric Networks: PR: MAC 2311C, MAC 2312, MAC 2313, PHY 2048C, PHY 2049C all with a grade of "C" (2.0) or better grade. CR: MAP 2302. Analysis and design of linear circuits, transients, ac analysis, power calculations and three-phase circuits. Fall. Spring.

EEE 3064C ECS-ECE 3(3.2)
Honors Electrical Networks: PR: Permission of Honors and MAC 2311C, MAC 2312, MAC 2313, PHY 2048C, PHY 2049C all with a "C" (2.0) or better grade. CR: MAP 2302. Analysis and design of linear circuits, transients, ac analysis, power calculations and three phase circuits. Spring.


EEL 4518 ECS-ECE 3(3,0) Satellite Communications: PR: EEL 3552C. The principles of satellite communications, including communications satellites, Earth stations, link analysis, FDMA and TDMA. May be repeated for credit. Fall.


EEL 4660 ECS-ECE 3(3,0) Robotic Systems: PR: EGN 4060C or EEL 4742C or COP 3503C Team-based development of robotic systems incorporating concepts such as sensing, computer vision, machine learning, localization, mapping, manipulation and locomotion. Spring.

EEL 4742C ECS-ECE 4(3,3) Embedded Systems: PR: EEL 3801C with a grade of "C" (2.0) or better. Microcontroller systems, assembly language programming, data representation, memory and device interfacing, timing analysis, parallel and serial communication, timers, interrupt, signal interfacing considerations, and applications. Fall, Spring. M&S fee $15.00

EEL 4750 ECS-ECE 3(3,0) Digital Signal Processing Fundamentals: PR: EEL 3124C with a grade of "C" (2.0) or better. Study of discrete-time signals and systems, transform, DFT introduction to digital filter design. Fall, Spring.

EEL 4768 ECS-ECE 3(3,0) Computer Architecture: PR: EEL 3801C or CDA 3103C with a grade of "C" (2.0) or better. Computer systems performance and evaluation, processor datapath and control, microprogrammed architectures, instruction and arithmetic pipelines, cache and virtual memory, and RISC vs. CISC. Fall, Spring.

EEL 4781 ECS-ECE 3(3,0) Computer Communication Networks: PR: EEL 3910C with a grade of "C" (2.0) or better and STA 3032. Network models. Media access protocols. Data link control. Routing and flow control. Internetworking. Current architectures and protocols: OSI, ethernet, token, ring, FDDI, HDSL, X.25, etc. Fall, Spring.

EEL 4793 ECS-ECE 3(3,0) Hardware Description Languages in Digital Systems Design: PR: EEE 3342C with a grade of "C" (2.0) or better. Hardware description languages, simulation and synthesis of RTL circuits and systems, design examples and projects. Occasional.

EEL 4798 ECS-ECE 3(3,0) Massive Storage and Big Data: PR: EEL 3801C or CDA 3103C. Fundamentals in big data architecture and its enabling file storage systems infrastructure such as MapReduce and storage, with a focus on system architecture, file storage, programming models, application development and performance evaluation. Spring.

EEL 4817H ECS-ECE 3(3,0) Honors Current Topics in Machine Learning I: PR: Consent of Honors and EEL 4818H. Recent topics in Machine Learning. Students will be assigned a research project and a faculty mentor who will supervise this project. Spring.

EEL 4818H ECS-ECE 3(3,0) Honors Current Topics in Machine Learning II: PR: Consent of Honors and EEL 4818H. Recent topics in Machine Learning. Students will be assigned a research project and a faculty mentor who will supervise this project. Fall.

EEL 4919L ECS-ECE 3(3,0) Senior Design II: PR: EEL 4914. Execution of electrical and computer engineering project. Current topics in design, testing and verification, project phases, role of the project manager, cost, time, and budget, team organization, team roles, project management, and project. Fall, Spring. M&S fee $15.00

EEL 5173 ECS-ECE 3(3,0) Linear Systems Theory: PR: EEL 3567. Models and properties of linear systems, transformation, controllability and observability, control and observer designs, MFD, and realization theory. Spring.

EEL 5185 ECS-ECE 3(3,0) System Identification: PR: EEL 3567 or C.I. Dynamic systems, models of time-invariant linear, time-varying and nonlinear systems, parametric frequency, and time-domain identification methods, kernel expansion techniques, parameter estimation methods, design, and applications. Spring
UCF Courses and Descriptions

EEL 5706  ECS-EECS  3(3,0)
Resilient Computer System Design: PR: EEL 4786 or CDA 5106 or EEL 5705, or C.I. Advanced concepts in hardware/software fault tolerance: fault models, coding in computer systems, module and system level fault detection mechanisms, such as TMR, rollback, and recovery. Occasional.

EEL 5722C  ECS-ECE  3(3,3)
Field Programmable Gate Array (FPGA) Design: PR: EEE 3342C with a C (2.0) or better grade. FPGA architectures, design flow, technology mapping, placement, routing, reconfigurable computing applications, and evolvable hardware. Even Fall.

EEL 5771C  ECS-ECE  3(2,3)

EEL 5780  ECS-ECE  3(3,0)
Wireless Networks: PR: EEL 4781 or C.I. The wireless networking stacks: physical, medium access, and link layers. Network protocols, channel assignment and resource allocation, mobility and location management, handoffs, routing, authentication, call admission control and QoS provisioning; network layer issues, wireless data networking (WAP, GSM, GPRS, CDMA, WCDMA). Even Fall/Odd Spring.

EEL 5820  ECS-ECE  3(3,0)
Image Processing: PR: MAP 2302, EEL 4750 or C.I. Two-dimensional signal processing techniques; pictorial image representation; spatial filtering; image enhancement and coding; segmentation and feature extraction; introduction to image understanding techniques. Odd Spring.

EEL 5825  ECS-ECE  3(3,0)
Pattern Recognition: PR: EEL 4750 or C.I. Preliminaries of pattern recognition, Bayesian Decision Theory, image processing, computer vision. Neural Network approaches, decision tree classifiers, unsupervised learning and clustering, non-parametric techniques, and other topics reflecting the state-of-the-art. Occasional.

EEL 5860  ECS-ECE  3(3,0)

EEL 5874  ECS-ECE  3(3,0)

EEL 5881  ECS-ECE  3(3,0)
Software Engineering I: PR: CSE 4313 or C.I. Design, implementation, and testing of computer software for Engineering applications. Fall/Spring.

EEL 5936  ECS-ECE  0(1,0)
Current Topics in ECECS: PR: Open to all ECE graduate students. Lectures presented by ECE and national lecturers will provide our students a broad view of the state of the art in EE and CE fields. Graded S/U. Occasional.

EES 411C  ECS-ECE  4(3,3)
Biological Process Control: PR: ENV 3001 or with a grade of C (2.0) or better. Engineering design, measurements and analysis of biological systems in environmental engineering for water management, bio-energy projects, wastewater treatment, and others. Spring. M&S fee $70.00.

EES 4202C  ECS-CECE  4(3,3)
Chemical Process Control: PR: CHM 2046 and ENV 3001 both with a grade of C (2.0) or better. Engineering design, measurements, and analysis of chemical systems in environmental engineering to control treatment processes such as softening, coagulation, disinfection, scrubbing, neutralization, and others. Fall. M&S fee $60.00.

EES 5318  ECS-CECE  3(3,0)
Industrial Ecology: PR: EES 3001, ENV 3431. Discussion of similarities between ecological systems and industrial systems with the emphasis on material cycles, energy flow, pollution prevention, organizational structures, and environmental management. Occasional.

EES 2010  ED-CFCFS  3(3,0)
Introduction to Teaching and Learning: Orientation to the education of children and adolescents with special needs in the schools. The course includes characteristics, trends, mainstreaming, and other issues. Fall/Spring.

EES 2090  ED-CFCFS  3(3,0)
Exceptional Populations in School and Society: Characteristics of exceptionalities in society to increase student awareness and comfort levels with individuals with exceptionalities. Fall/Even Spring.

EES 2758  ED-CFCFS  2(2,0)
Enhancing Family Involvement in Education: Development of partnerships with families of students with disabilities and their communities to address the educational needs of all students. Fall/Spring.

EES 3221  ED-CFCFS  3(3,0)
Assessment of Exceptional Students: Formal and informal assessment techniques for screening, placement, program planning, program evaluation, and monitoring of progress of exceptional students. Fall/Spring.

EES 3241  ED-CFCFS  3(3,0)
Methods for Academic Skills for Exceptional Students: PR: Admission to the CED or Admission to the ESE Minor. Teaching strategies, instructional materials, and teaching techniques for students with special needs. Must be taken before Internship I. Fall/Spring.

EES 3243  ED-CFCFS  3(3,1)
Techniques for Exceptional Adolescents-Adults: CR: EES 3241. A study of strategies, basic and functional content, characteristics and education of exceptional adolescents and adults with special needs. Spring.

EES 3450  ED-CFCFS  3(3,0)
Young Children With Special Needs: Provides an overview of the development of early childhood special education, its mission, and approaches to helping young children and their families. Spring.

EES 3942  ED-CFCFS  3(3,0)
Internship I Exceptional Education: PR: EDG 4410, RED 3012, EES 2010, EES 3241, MAE 2801. Student teaching in exceptional education in both elementary and secondary school settings under the supervision of a certified classroom teacher. Graded S/U. Fall/Spring.

EES 4054  ED-CFCFS  2(2,0)

EES 4066  ED-CFCFS  3(3,0)

EES 4070  ED-CFCFS  3(3,0)

EES 4204  ED-CFCFS  1-3(3-0)
Instructional Strategies for Effective Inclusive Settings: PR: Overall minimum 2.5 GPA or C.I. A comprehensive background on Exceptional Education history, reform, and educational strategies to teach students with disabilities in inclusive settings. Spring.

EES 4242  ED-CFCFS  3(3,0)

EES 4601  ED-CFCFS  3(3,0)
Introduction to Behavior Management: Study of management techniques based on applied behavioral analysis principles for modifying inappropriate behavior and maintaining appropriate behaviors of exceptional students. Fall/Spring.

EES 4751  ED-CFCFS  3(3,0)
Parent Involvement in Education: This course prepares students to successfully interact with and involve parents in their child’s education. Occasional.

EES 4757  ED-CFCFS  3(3,0)
Special Care: PR: Junior Standing or C.I. General knowledge and best practice in the field of temporary care: the nature and needs of care givers and care recipients, including special populations. Occasional.

EES 4763  ED-CFCFS  3(3,0)
Technology for Classroom Teachers of Students with Special Needs: PR: EEX 3241, RED 3012, LAE 4314, MAE 2801. Enhancing teacher preparation through the use of technology for students with special needs. Fall/Spring.

EES 4943  ED-CFCFS  2(1,35)
Internship II: PR: Completion of specialization. Satisfactory completion of the portfolio. Full day student teaching under a certified special education teacher in an elementary or secondary school. Graded S/U. May be repeated for credit. Occasional.

EES 5051  ED-CFCFS  3(3,0)
Exceptional Children in the Schools: PR: Senior standing or C.I. Characteristics, definitions, educational problems, and appropriate educational programs for the exceptional children in schools. Fall.

EES 5702  ED-CFCFS  3(3,0)
Planning Curriculum for Pre-Kindergarten Children with Disabilities: Focus on curriculum planning; developmentally appropriate practices and implementation of individualized instruction for pre-kindergarten children with disabilities. Spring.

EES 5750  ED-CFCFS  3(3,0)
Communication with Parents and Agencies: Presentation of methods of communication with community agencies, supporting and collaborating with families, developing a case management system, and facilitating program transition. Occasional.

EGM 3601  ECS-MECH/SCO  3(3,0)
Solid Mechanics: PR: “C” (2.0) or better in the following MAC 2311C, MAC 2312, MAC 2313, PHY 2048C and EGN 3310; PR: or CR: MAP 2302. Concepts of stress, strain, deflection; axial force, torsion, bending, combined stress, Mohr’s circle, failure theories, design concepts, application to machines and vehicles. Fall/Spring.

EGR 1007C  ECS-ECS  1(1,2)
Engineering Concepts and Methods: PR: EGS 1006C and New student status or C.I. Introduction to the use of computer and applications software in solving engineering problems. Introduction to the concepts of engineering design through the use of teams: engineering communication; engineering professionalism and ethics. Spring.

EGR 2020C  ECS-IEMS  2(1,1)
First Colloquium: PR: C.I. LEAD Scholars Program. Must have completed at least two of the following with a grade of B or better; IDS 1040C, GEB 1091C, EGS 1036C, EDG 1005C or HSC 1921C. Provides experiential leadership experiences in an appropriate field setting under the direction of a university supervisor with the LEAD Scholars Program. May be repeated for credit. Occasional.
UCF Courses and Descriptions

EIN 4545 | ECS-IEMS | 3(3,0) | Industrial Engineering Applications in The Service Industries: PR: ESI 4312 with a grade of "C" (2.0) or better. Application of industrial engineering principles to improve the quality and productivity of service industries such as restaurants, banks, hotels, health care, etc. Fall.

EIN 4891C | ECS-IEMS | 4(2,4) | Industrial Engineering Senior Design Project: PR: EIN 4364 and ESI 4523 both with grades of "C" (2.0) or better and department consent. Capstone design course; application of IEMS techniques to real-world design applications. Fall, Spring.

EIN 5108 | ECS-IEMS | 3(3,0) | The Environment: PR: C.I. Graduate status or C.I. ECS 4264 recommended. Presentation and investigation into the principles required to transform technologists into managers focusing on engineers, scientists, and other professionals providing services in technically-oriented organizations. Fall.

EIN 5117 | ECS-IEMS | 3(3,0) | Management Information Systems I: PR: C.I. The design and implementation of computer-based Management Information Systems. Consideration is given to the organizational, managerial, and economic aspects of MIS. Spring.

EIN 5140 | ECS-IEMS | 3(3,0) | Project Engineering: PR: Graduate standing or C.I. Role of engineer in project management with emphasis on project scheduling, cycle, quantitative and qualitative methods of cost, schedule, and performance control. Fall, Spring.

EIN 5248C | ECS-IEMS | 3(2,2) | Ergonomics: PR: C.I. Applications of anthropometry, functional anatomy, mechanics, and physiology of musculoskeletal system concepts in the engineering design of industrial tools, equipment, and workstations. Fall.

EIN 5251 | ECS-IEMS | 3(3,0) | Usability Engineering: PR: STA 302 or equivalent; Usability paradigms/principles; cognitive walk-throughs; heuristic, review-based, model-based, empirical and story-board evaluation; techniques: query techniques; laboratory techniques; and field study approaches. Spring.

EIN 5256C | ECS-IEMS | 3(2,2) | Interactive Simulation: PR: Graduate standing or C.I. Introduction to significant topics relative to the development and use of simulators for knowledge transfer in the technical environment. Fall.

EIN 5317 | ECS-IEMS | 3(3,0) | Training Systems: PR: Seniors, post baccalaureate, or graduate standing or C.I. How human performance deficiencies should be addressed from a systems design point of view. Mapper, personnel, and training considerations will be examined. Occasional.

EIN 5346 | ECS-IEMS | 3(3,0) | Engineering Logistics: PR: ESI 5306 or ESI 4312; Study of the logistics life cycle involving planning, analysis, and design, testing, production, distribution, and support. Occasional.

EIN 5356 | ECS-IEMS | 3(3,0) | Cost Engineering: Cost estimation and control of engineering systems throughout the product life cycle. Occasional.

EIN 5392C | ECS-IEMS | 3(2,2) | Manufacturing Systems Engineering: PR: EIN 4391C or C.I. The integration of manufacturing technologies and information processing concepts into a system for controlling the manufacturing enterprise. Occasional.

EMA 3000 | ECS-MSE | 3(3,0) | Engineering Polymer; Ceramic, and Composite Materials: PR: EGM 3365 or EMA 3706; Structure, properties, processing of engineering polymers, ceramic, and composite materials. Occasional.

EMA 3012C | ECS-MSE | 3(2,2) | Experimental Techniques in Mechanics and Materials: PR: EGN 3365, EGM 3601. Materials characterization (optical and scanning electron microscopy, x-ray diffraction), heat treatment, mechanical testing (hardness, tensile, impact, etc.). Fall, Spring. M&S fee $45.00.

EMA 3124 | ECS-MSE | 3(3,0) | Design and Selection of Polymer Materials: PR: EGM 3601, and EGM 3585 or EMA 3706. Relationship between processing, structure and properties of various engineering materials and their selection in engineering design. Fall.

EMA 3691 | ECS-MSE | 3(3,0) | Nanomaterials Process Engineering: PR: CHS 1440 or CHM 2045C and MAC 2312 with grades of "C" (2.0) or better and in both. Atomic structure, bonding, crystal structures, solidification, phase transformations, heat treatment, mechanical behavior; specific aerospace materials, design Fall, Spring.

EMA 4102 | ECS-MSE | 3(3,0) | Thermodynamics and Kinetics of Materials: PR: EGN 3343, EGM 3605 or EMA 3706; and a "C" (2.0) or better in all of the following: CHS 1440 or CHM 2045C, MAC 2312, and MAC 2313. MAP 2302 and PHY 2048. Application of first, second and third laws of thermodynamics to materials, phase diagrams, statistical thermodynamics, kinetic processes in materials, diffusion, nucleation and growth, and phase transformations. Fall.


EMA 4503 | ECS-MSE | 3(3,0) | Materials Characterization Techniques: PR: EMA 3012C, and EGM 3365 or EMA 3706. Theory and practice of commonly used techniques for characterization of crystal structure, microstructure and chemistry Occasional.

EMA 4506 | ECS-MSE | 3(3,0) | Emerging Materials: PR: EGM 3635, or EMA 3708. Structure, properties and processing of modern emerging materials Occasional.

EMA 5060 | ECS-MSE | 3(3,0) | Polymer Science and Engineering: PR: EGM 3635; Structure and properties of polymers, preparation and processing of polymers, mechanical properties, use in manufacturing and high tech applications. Occasional.


EMA 5108 | ECS-MSE | 3(3,0) | Surface Science: PR: PHY 2049C and C.I. Methods of chemical and physical analysis of surfaces, with emphasis on ultra-high vacuum spectroscopies utilizing electron, ion and photon probes. Occasional.

EMA 5140 | ECS-MSE | 3(3,0) | Introduction to Ceramic Materials: PR: EGM 3365. Uses, structure, physical and chemical properties, and processing of ceramic materials. Discussions will include recent developments for high technology applications. Occasional.


EMA 5415 | ECS-MSE | 3(3,0) | Electronic Principles of Materials Properties: PR: EGM 3365 or C.I. This course will cover electron theory and band structure; electrical, optical, magnetic, and thermal properties of metals, semiconductors and insulators, including device electrical behavior.

EMA 5504 | ECS-MSE | 3(2,2) | Modern Characterization of Materials: PR: EMA 3014 or C.I. Techniques and operation of instrumentation (light, scanning, transmission, and Auger microscopy) for the characterization of structure, defects, composition, and surfaces. Occasional.


EMA 5585 | ECS-MSE | 3(3,0) | Materials Science of Thin Films: PR: Graduate standing or C.I. Interaction of thin film processing techniques with structure and properties of the materials deposited. Odd Fall.

EMA 5586 | ECS-MSE | 3(3,0) | Photovoltaic Solar Energy Materials: PR: EGM 3365. Materials properties basic to photovoltaics, structures, homeojunction, heterojunction, and surface barrier solar cells, AMID-1D modeling of c-Si, GaAs bulk and a-Si:H, CIS, and CdTe thin film solar cells. May be repeated for credit. Occasional.


EMA 5588 | ECS-MSE | 3(3,0) | Biocompatibility of Materials: PR: EGM 3365 or C.I. Biocompatibility and bioactivity; cell-biometric interactions; engineering bone and cartilage; soft-tissue replacements; total hip replacements; nanostructured biomaterials; imaging techniques, preservation techniques for biomaterials, MS3D and FDA compatibility data. Recent developments for high technology applications. Occasional.

**Course Descriptions**

**EML 3101**: 3(3,0) High Temperature Materials: Pr: EMA 3104 or E.M. 3104. Stress, strain, and properties for high temperature applications, physical metallurgy of such materials, corrosion, hot corrosion and oxidation properties, aero- and land-based gas turbine requirements. Occasional.

**EME 4501C**: 3(1.6) Turbines for Sustainable Power: Pr: EGM 3373, EML 3303, EML 3701 or EAS 3101; CR: EML 4142. Multidisciplinary aspects of turbine design for sustainable power generation, including aerodynamics to combustion and emissions to reliability, covers multiple applications of conventional and green technologies. Fall.

**EML 4312**: 3(3,0) Applications of Technology in Education: Classroom applications of instructional media, including computers. Occasional.

**EML 4804C**: 3(2,3) Digital Control in Mechatronics: Pr: EML 3303C or EML 4225. Discrete microprocessor control of mechatronics systems using state-space representation, digital signal processing, and fuzzy and neural systems concepts. Fall, Spring.

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**UCF Courses and Descriptions**


**EME 4501C**: 3(2,3) Mechanical Systems Lab: Pr: EML 3217, MAC 2312, MAP 2302, and EGN 3373. Undamped and damped vibration analysis of mechanical systems with single and two degrees of freedom; forced vibration; concepts of feedback controls, classical proportional, derivative and integral (PID) feedback controls and root locus. Fall, Spring.

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**EML 3701**: 3(3,0) Fluid Mechanics I: Pr: "C" (2.0) or better in all of the following: MAC 2311C, MAC 2312, MAC 2313, MAP 2302, PHY 2048C, EGN 3321 and EGN 3323. Principles of continuum fluid mechanics. Integral and differential forms of governing equations, fluid statics, dimensional analysis, measurements, internal flows. Fall, Spring.

**EML 4024C**: 3(3,0) Engineering Design Practice: Pr: EML 3034C and EML 3933 or EAS 4200 or EML 4225. CAD/CAM solid modeling techniques in a project oriented environment. Students will construct part models, drawings, and assemblies. Use of in-house software. Fall, Spring.

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**EML 3933**: 0(0,0) Undergraduate Catalog 2016-2017
EML 5066 EML 5060 3(3,0) 3(3,0) Mathematical Methods in Mechanical and Aerospace Engineering: PR: MAP 2302, Vector field landscapes, complex variables, contour integration and Laplace and Fourier transforms and inversions, variable coefficient ODEs and solution of PDEs for governing equations of heat transfer, ideal fluid flow, and mechanics. Fall.

EML 5090 EML 5090 0(0,0) 0(0,0) Mechanical and Aerospace Seminar: PR: Graduate standing or C.I. The course is intended to help MAE graduate students practice oral speaking, learn skills of scientific communication, expand their width of knowledge, and promote collaborations. May be repeated. Fall, Spring.

EML 5105 EML 5105 3(3,0) 3(3,0) Gas Kinetics and Statistical Thermodynamics: PR: EAS 4134 or EML 4703. Molecular and statistical viewpoint of gases and thermodynamics; Boltzmann collision integral, partition functions, non-equilibrium flows. Applications in thermo-convective systems. Occasional.

EML 5120 EML 5120 3(3,0) 3(3,0) Intermediate Heat Transfer: PR: EML 4142. EML 5060. An intermediate-level course dealing with heat and mass diffusion, boundary layer problems, and radiation from real surfaces. Emphasis on combined modes, numerical methods. Occasional.

EML 5228C EML 5228C 3(3,0) 3(3,0) Modal Analysis: PR: EML 3303C, EML 4220, and EML 5060. Theoretical basis. Measurement techniques, excitation, transducers, data acquisition. Detailed data analysis, modal parameter extraction, curve-fitting procedures. Modeling. Occasional.


EML 5271 EML 5271 3(3,0) 3(3,0) Intermediate Dynamics: PR: EGM 3601, EML 3303C, or EML 3706. Dynamics of particles, rigid bodies, and distributed mass systems. Topics include: Hamilton’s principle, Lagrange’s equations, numerical methods, and Mechanisms. Occasional.

EML 5290 EML 5290 3(3,0) 3(3,0) Introduction to MEMS and Micromaching: PR: Graduate standing or C.I. Introduction of Micro- Electro-Mechanical-Systems (MEMS) and micromachining (microfabrication) methods. Etching and etching mask. Electro-Mechanical-Systems (MEMS) and micromachining (microfabrication) methods. Etching and etching mask. EML 5211, or C.I. Introduction to meso-, micro-, and nano-scales, and related terminology, constitutive relationships, and how these relationships affect the behavior and performance of systems. Effect of miniaturization on a few common engineering systems. Odd Fall.

EML 5292 EML 5292 3(3,0) 3(3,0) Fundamental Phenomenon and Scaling Laws in Miniature Engineering Systems: PR: EML 5060, EML 6211, or C.I. Introduction to meso-, micro-, and nano-scales, and related terminology, constitutive relationships, and behavior and performance of materials. Odd Fall.

EML 5311 EML 5311 3(3,0) 3(3,0) Intermediate Fluid Mechanics: PR: EML 4703. CR: EML 5060. Fluid kinematics; conservation equations; Navier-Stokes equations; boundary layer flow; inviscid flow, circulation and vorticity; low Reynolds number flow; turbulence. Occasional.

EML 5402 EML 5402 3(3,0) 3(3,0) Turbomachinery: PR: EML 3011, EML 4703 or EAS 4134. Application of the principles of fluid mechanics, thermodynamics, and aerodynamics to the design and analysis of steam and gas turbines, compressors, and pumps. Occasional.

EML 5403 EML 5403 3(3,0) 3(3,0) Science and Technology of Fuel Cells: PR: EGM 3365, EMA 4102 or C.I. Fundamental knowledge along with hands-on experience with design, manufacturing and operation of fuel cells. Occasional.

EML 5430C EML 5430C 3(2,3) 3(2,3) Design for Manufacturing in Turbomachinery: Gas/Steam/Wind Turbines & Generators: PR: EGM 3365 or EMA 3706. Overall assembly of rotating and stationary components in power generation powerplants; probabilistic design, materials, coatings, manufacturing steps, defects for gas/steam/wind turbines and generators. Fall.

EML 5451C EML 5451C 3(2,3) 3(2,3) Design for Mechanical & Dynamic Integrity and Reliability in Turbomachinery: PR: EGM 3061, EML 4220 or EML 4225, EGM 3365 or EMA 3706. Mechanical & dynamic integrity issues such as creep, fatigue, fracture, cyclic, non-linearities, vibration, flutter, as related to turbines and generators; reliability; cost-time-performance trade-off in design. Spring.

EML 5456 EML 5456 3(3,0) 3(3,0) Turbines for Sustainable Power: PR: EGM 3801, (EGM 3365 or EMA 3706), EML 3701 or EAS 3101; CR: EML 4142. Multidisciplinary aspects of turbine design and sustainable power generation including aerodynamics to combustion and emissions to reliability; covers multiple applications of conceptual design and computer-aided technology. Fall.

EML 5522E EML 5522E 3(2,3) 3(2,3) Computer-Aided Design for Manufacture: PR: EGM 4553C, Builds on introductory material covered in EML 4553C. Topics include computer modeling for the synthesis, simulation, design and manufacture of mechanical, thermal, and aerospace systems. Occasional.

EML 5545 EML 5545 3(3,0) 3(3,0) Smart and Adaptive Structures: PR: EGM 4220 and (EML 3500 or EML 3301) and EAM 4225 and (EJM 3365 or EMA 3706) or C.I. Modeling and design of structures with integrated active materials, functionality and shape memory alloys and polymers, magnetic / electro-rheological fluids, magneto- / electro-strictive materials. Even Spring.


EML 5587C EML 5587C 3(3,2) 3(3,2) Mechanics of Biostuctures I: PR: Graduate standing or C.I. Part I of a two semester course. Mechanical analysis of hard (bone) and soft (organs, connective tissues, etc.) biostuctures and the analysis includes preparation and experimental testing for constitutive equations for predictive modeling. Occasional.

EML 5588C EML 5588C 3(3,2) 3(3,2) Mechanics of Biostuctures II: PR: EML 5587C. Part II of a two semester course. Mechanical analysis of hard (bone) and soft (organs, connective tissues, etc.) biostuctures and the analysis includes preparation and experimental testing for constitutive equations for predictive modeling. Occasional.
ENC 3311 CAH-WRITE 3(3,0) Essay as Cultural Commentary: PR: Grade of C (2.0) or better required in ENC 1102 or C.I. Historical and cultural study, analysis, and writing of essay as reflective exploration and cultural commentary. Fall, Spring.

ENC 3314 CAH-WRITE 3(3,0) Writing and Rhetoric Foundations: PR: Grade of C (2.0) or better in ENC 1102 or equivalent or C.I. Study and practice of research writing, and rhetorical skills that enable successful (inter)disciplinary writing in and across the university. Fall, Spring.

ENC 3315 CAH-WRITE 3(3,0) Argumentative Writing: PR: Grade of C (2.0) or better required in ENC 1102. Students will analyze current events, assess other arguments, and construct various types of arguments, including visual and multimedia. Fall, Spring.

ENC 3330 CAH-WRITE 3(3,0) Rhetorical Traditions: PR: Grade of C (2.0) or better required in ENC 1102. Examines the roots of study of the evolution of its theoretical, pedagogical, and civic tradition. Even Spring.

ENC 3331 CAH-WRITE 3(3,0) Rhetoric and Civic Engagement: PR: Grade of C (2.0) or better required in ENC 1102. Examines rhetorical theory and the strategies for applying it to technical communication. Even Spring.

ENC 3333H CAH-WRITE 3(3,0) Honors Rhetoric and Civic Engagement: PR: Consent of Honors. Examines rhetorical theory in order to analyze and participate in contemporary public debates and civic engagement efforts. With Honors Consent. Even Spring.

ENC 3351 CAH-WRITE 3(3,0) Writing for Publication: PR: Grade of C (2.0) or better required in ENC 1102. Examines freelance markets, article genres, and the rhetorical skills needed to design and produce articles for specific audiences and publications. Occasional.

ENC 3351H CAH-WRITE 3(3,0) Honors Writing for Publication: PR: Grade of C (2.0) or better required in ENC 1102, and consent of Honors. Examines freelance markets, article genres, and rhetorical skills needed to design and produce articles for specific audiences and publications, and editorial roles for publications. With Honors consent. Occasional.

ENC 3372 CAH-WRITE 3(3,0) Topics in Civic Rhetoric and Writing: PR: Grade of C (2.0) or better required in ENC 1102. In-depth study and application of a specific issue related to civic rhetoric and writing. Occasional.

ENC 3373 CAH-WRITE 3(3,0) Cultural Rhetorics: PR: Grade of C (2.0) or better required in ENC 1102. Study of the diverse cultural production of and the cultural forces impacting the rhetoric of individuals and communities. Occasional.

ENC 3375 CAH-WRITE 3(3,0) Rhetoric in Popular Culture: PR: Grade of C (2.0) or better in ENC 1102 or C.I. Exploration of how persuasion works in a specific set of popular culture discourses, such as sports, music, and gaming. Occasional.

ENC 3417 CAH-WRITE 3(3,0) Literacy and Technology: PR: Grade of C (2.0) or better required in ENC 1102. Study of technology’s impact on writing and literacy, focus on new media. Spring.

ENC 3433 CAH-WRITE 3(3,0) Multimedia Writing and Composition: PR: Grade of C (2.0) or better in ENC 1102 or C.I. Study and practice of multimedia writing (including sound, visual, and linguistic forms) with an emphasis on the process of text production and remixing for different rhetorical contexts and audiences. Occasional.

ENC 3435 CAH-WRITE 3(3,0) Writing About Health and Medicine: PR: Grade of C (2.0) or better required in ENC 1102 or C.I. Writing practices and genres of the health professions, with emphasis on writing about health and medicine for lay audiences. Occasional.

ENC 3454 CAH-WRITE 3(3,0) Topics in Professional and Digital Writing: PR: Grade of C (2.0) or better required in ENC 1102. In-depth study and application of a specific issue related to professional and/or digital writing. Occasional.

ENC 3455 CAH-WRITE 3(3,0) Writing about Science and Technology: PR: Grade of C (2.0) or better in ENC 1102 or C.I. Writing about scientific and technological research and developments for non-scientific audiences (including novices and policymakers). Occasional.

ENC 3455H CAH-WRITE 3(3,0) Honors Writing about Science and Technology: PR: Consent of Honors. Writing about scientific and technological research and issues for non-scientific audiences, including laypeople and policymakers. With Honors consent. Occasional.

ENC 3456H CAH-WRITE 3(3,0) Honors Writing about Health and Medicine: PR: Consent of Honors. Writing practices and genres in health professions, with emphasis on writing about health and medicine for lay audiences. With Honors consent. Occasional.

ENC 3473 CAH-WRITE VAR(0,3) Writing in Disciplinary Cultures: PR: Grade of C (2.0) or better required in ENC 1102. In-depth study of writing (including genres, conventions, and arguments) in disciplines across the university. May be repeated for credit. Occasional.

ENC 3502 CAH-WRITE 3(3,0) Researching Writing and Literacy: PR: Grade of C (2.0) or better required in ENC 1102. Overview of important knowledge domains and lines of inquiry in writing and literacy research, with emphasis on research methodologies. Occasional.

ENC 3503 CAH-WRITE 3(3,0) Topics in Writing and Literacy Studies: PR: Grade of C (2.0) or better required in ENC 1102. An in-depth study of and practice with a specific issue related to language theory and/or the teaching of writing. Occasional.

ENC 3521 CAH-WRITE 3(3,0) Writing Across Difference: PR: Grade of C (2.0) or better required in ENC 1102. Examines cultural influences on language and literacy practices, with emphasis on applications for writing teachers. Occasional.

ENC 3905 CAH-ENG 3(3,0) Directed experience in Writing: PR: Grade of C (2.0) or better required in ENC 1102 and C.I. Individualized topics and/or research in writing with personalized faculty direction. May be repeated for credit. Occasional.

ENC 4212 CAH-ENG 3(3,0) Professional Editing: PR: Grade of C (2.0) or better required in ENC 1102. Students will perform different types and levels of editing on a range of print and online texts from business and non-profit contexts. Even Fall.

ENC 4215 CAH-ENG 3(3,0) Technical Publication and Project Management: PR: Grade of C (2.0) or better required in ENC 3211 or ENC 3241. New publishing technology, stressing composition and printing, word processing, automated text processing, methods of reproduction, introduction of graphics, style, format, layout, and boardwork. Spring.

ENC 4218 CAH-ENG 3(3,0) The Visual in Technical Documentation: PR: Grade of C (2.0) or better in ENC 3241 or C.I. A study of the origins and elements of plain language and the strategies for applying it to technical communication. Occasional.

ENC 4219 CAH-ENG 3(3,0) Technical Communication and Plain Language: PR: Grade of C (2.0) or better in ENC 3241 or C.I. A study of the origins and elements of plain language and the strategies for applying it to technical communication. Occasional.

ENC 4262 CAH-ENG 3(3,0) International Technical Communication: PR: Grade of C (2.0) or better required in ENC 3241 or C.I. International issues in the field of technical communication including internationalizing documents, user interface design, international collaboration, and rhetorical and logistical challenges. Occasional.

ENC 4265 CAH-ENG 3(3,0) Communication for the Computer Industry: PR: Grade of C (2.0) or better in ENC 1102 or C.I. Creating different kinds of software manuals or online help systems for the computer industry. Occasional.

ENC 4275 CAH-WRITE 3(3,0) Theory and Practice of Tutoring Writing: PR: Grade of C (2.0) or better required in ENC 3211 or ENC 3241. Development of a book-length project from idea to final published product. Examples may include style manuals, policies and procedures, and training manuals. Fall, Spring.

ENC 4290 CAH-ENG 3(3,0) Usability Testing for Technical Communication: PR: Grade of C (2.0) or better required in ENC 3211 or ENC 3241. Development of a book-length project from idea to final published product. Examples may include style manuals, policies and procedures, and training manuals. Fall, Spring.

ENC 4296 CAH-ENG 3(3,0) Technical Writing: PR: Grade of C (2.0) or better required in ENC 3211 or ENC 3241. A study of theories of the visual and their application to technical communication genres. Occasional.

ENC 4354H CAH-ENG 3(3,0) Honors Writing with Communities and Nonprofits: PR: Grade of C (2.0) or better required in ENC 1102, and consent of Honors. Study and practice of methods for writing in partnership with nonprofits and the communities they serve, with an emphasis on audience analysis and community engagement. Occasional.

ENC 4355H CAH-ENG 3(3,0) Writing about Scientific and Technological Research: PR: Grade of C (2.0) or better required in ENC 1102 or C.I. Study and practice of assessing and responding to writing from the standpoint of a collaborator, as opposed to evaluator. Fall.

ENC 4375 CAH-WRITE 3(3,0) Writing for the Computer Industry: PR: Grade of C (2.0) or better required in ENC 3211 or ENC 3241. Study of technology’s impact on writing and literacy, focus on new media. Spring.

ENC 4453 CAH-WRITE 3(3,0) Research Writing: PR: Grade of C (2.0) or better in ENC 1102, junior standing, and C.I. Writing correspondence, instructions, proposals, and informal and formal reports in various disciplines. Occasional.

ENC 4454 CAH-ENG 3(3,0) Writing for Social Change: PR: Grade of C (2.0) or better in ENC 1102 or C.I. Study of how activist writing and other symbolic action can be used to mobilize social or policy change around contemporary controversial issues. Occasional.

ENC 4455 CAH-WRITE 3(3,0) Writing about Health and Medicine: PR: Grade of C (2.0) or better required in ENC 1102. Examines cultural influences on language and literacy practices, with emphasis on applications for writing teachers. Occasional.

ENC 4456H CAH-WRITE 3(3,0) Honors Writing with Communities and Nonprofits: PR: Grade of C (2.0) or better required in ENC 1102, and consent of Honors. Study and practice of methods for writing in partnership with nonprofits and the communities they serve, with an emphasis on audience analysis and community engagement. With Honors consent. Occasional.
ENC 4360 CAH-ENG 3(3,0) Nature Writing: PR: English major or minor and grade of “C” (2.0) or better required in CRW 3013 and CRW 3055. Students will write essays that explore different approaches to writing about the natural world, and will discuss issues raised by such writing. Occasional.

ENC 4374 CAH-WRITE 3(3,0) Gendered Rhetorics: PR: Grade of “C” (2.0) or better required in ENC 1102. Historical and theoretical study of gender and rhetorical practices, with emphasis on women’s rhetors. Occasional.

ENC 4378 CAH-WRITE 3(3,0) Writing in Global and Transnational Contexts: PR: “C” (2.0) or better in ENC 1102 or C.I. Examination of the ways language and rhetoric travel across cultures and countries, with practice strategies for transnational communication with local and global audiences. Occasional.

ENC 4379 CAH-WRITE 3(3,0) Writing and Rhetoric Capstone: PR: Senior standing; ENC 3331, ENC 3505, and ENC 3836; PR or CR: ENC 4944, ENC 3473, or ENC 4575. Culminating required course for students majoring in Writing and Rhetoric. Students reflect on disciplinary identity, possible career trajectories, and transferable strategies for writing in their lives. Spring.

ENC 4414 CAH-ENG 3(3,0) Writing and Hypertext: PR: Grade of C (2.0) or better required in ENC 2211 or ENC 3241. Theories of electronic literacy and information to develop a more critical sensibility regarding hypertext. Occasional.

ENC 4415 CAH-ENG 3(3,0) Digital Rhetorics and The Modern Diaplectic: PR: Grade of “C” (2.0) or better required in ENC 1102. Explores the development of digital rhetorics appearing in online environments through close reading and analysis of formative rhetorical texts, fiction, and internet materials. Fall, Spring.

ENC 4416 CAH-WRITE 3(3,0) Writing in Digital Environments: PR: Grade of “C” (2.0) or better required in ENC 1102. Study and practice of new media/internet writing and publishing, covering a range of online and multimedia genres. Occasional.

ENC 4416H CAH-WRITE 3(3,0) Honors Writing in Digital Environments: PR: Consent of Honors. Critical and rhetorical engagement with digital writing and networked systems, including a range of online media and genres. With Honors consent. Occasional.

ENC 4434 CAH-ENG 3(3,0) Visual Material Rhetorics: PR: “C” (2.0) or better in ENC 1102 or C.I. Study of visual and material textual elements within different historical and contemporary rhetorical practices and performances. Students will use a variety of compositional materials to produce texts. Occasional.

ENC 4504 CAH-WRITE 3(3,0) Contemporary Composition Theory: PR: Grade of “C” (2.0) or better required in ENC 1102. Considers major theoretical paradigms and more emergent theoretical explorations in modern and contemporary composition studies. Occasional.

ENC 4523 CAH-WRITE 3(3,0) Writing and Identity: PR: Grade of “C” (2.0) or better required in ENC 1102. Explores the role of identity in writing, particularly the relationship of race, class, gender, and other identity issues. Occasional.

ENC 4544 CAH-WRITE 3(3,0) Writing Pedagogy: PR: Grade of “C” (2.0) or better required in ENC 1102. Overview of pedagogical issues and strategies related to the teaching of writing, with focus on college-level writing. Occasional.

ENC 4944 CAH-WRITE 3(3,0) Writing Internship: PR: Junior standing and ENC 3331 and ENC 3836 and declared Writing and Rhetoric Major. Training and practice in professional and/or civic writing through approved internship with business or organization; involves reporting and reflecting on experience. Fall.
ENT 4503 CAH-ENG 3(3,0) The Victorian Age: PR: Grade of "C" (2.0) or better required in ENG 3014 or C.I. Key issues and authors of the Victorian age (1837-1901) covering, fiction, poetry, and nonfiction prose. Occasional.

ENT 4526 CAH-ENG 3(3,0) Nineteenth Century British Prose: PR: Grade of "C" (2.0) or better required in ENG 3014. Essays and fiction of the nineteenth century. Occasional.

ENT 4723 CAH-ENG 3(3,0) Modern British Literature: PR: Grade of "C" (2.0) or better required in ENG 3014. Major writers of modern British literature. Occasional.

ENT 4303 CAH-ENG 3(3,0) British Authors: PR: Grade of "C" (2.0) or better required in ENG 3014. Study of the works of a single British author. May be used in the degree program a maximum of 2 times only when course content is different. Occasional.

ENT 4311 CAH-ENG 3(3,0) Chaucer: PR: Grade of "C" (2.0) or better required in ENG 3014. The Canterbury Tales, Troilus and Criseyde, and other works. Occasional.

ENT 4333 CAH-ENG 3(3,0) Shakespeare Studies: PR: Grade of "C" (2.0) or better required in ENG 3014. Reading, analysis, and discussion of Shakespeare's plays. Occasional.

ENT 4341 CAH-ENG 3(3,0) Milton and His Age: PR: Grade of "C" (2.0) or better required in ENG 3014. Paradise Lost, Paradise Regained, Samson Agonistes, shorter poems and selected prose. Occasional.

ENT 3613 BA-MAN 3(3,0) Creativity and Entrepreneurship: PR: Sophomore Standing. This course portrays entrepreneurship as a creative problem solving process emphasizing opportunity recognition, resourcefulness, and leadership that results in startup, social, government and corporate ventures. Fall, Spring.

ENT 4013 BA-MAN 3(3,0) New Venture Design: PR: Junior standing. Applied course which focuses on the creation, evaluation, development and launch readiness of a new business or social venture. Fall, Spring.

ENT 4014 BA-MAN 3(3,0) New Venture Implementation: PR: ENT 4013. Develops procedure by which start-up businesses can implement a well-researched business model by planning and designing business functions necessary to launch the venture. Fall, Spring.

ENT 4183 BA-MAN 3(3,0) Technological Entrepreneurship: PR: Junior standing. How technology and innovation processes affect social and organizational change, and the distinct challenges associated with launching, managing and growing technology-based business ventures. Spring.

ENT 4412 BA-FIN 3(3,0) Managing Small Business Finances: PR: Admission to the Integrated Business major. Emphasizes the relationships between the finance function and other company activities. Focuses on financial statements, cash flow, sources of financing, valuation, inventory and vendor management. Fall, Spring.

ENT 4503 BA-MAN 3(3,0) Social Entrepreneurship: PR: Junior standing. Emphasis on understanding how social entrepreneurs effect change in poor communities in the developing world. Fall, Spring.

ENT 4942 BA-MAN 3(3,0) Entrepreneurial Internship: PR: Junior standing, application, approval, and consent of Management Department. Supervised, entrepreneurial-related work experience in a sponsoring organization. See Management Department for information. Application required. Fall, Spring.

ENT 4948 BA-MAN 3(3,0) Launching the Venture I: PR: C.I. (Admission to the Launching the Venture Program). This experiential course helps students working on startup ventures to achieve critical early stage milestones that can accelerate their progress toward launching the venture. Fall.

ENT 4949 BA-MAN 3(3,0) Launching the Venture II: PR: ENT 4948. This experiential course helps students working on startup ventures to undertake tasks necessary to legally form their company, go to market, and launch the venture. Spring.

ENV 3001 ECS-CECE 3(3,0) Environmental Engineering: PR: A grade of "C" (2.0) or better in MEC 2312 and in CHM 2045C or CHE 1440 or CHE 2041. Introduction to concepts and terminology of environmental engineering. Stressors material and energy balances. Covers air, water and land pollution. Fall, Spring.

ENV 4120 ECS-CECE 3(3,0) Air Pollution and Hazardous Waste Control: PR: EGN 3343, CWR 3201 and ENV 3001 all with a grade of "C" (2.0) or better. Air pollution and hazardous waste engineering. Air resources management, engineering design, and operation of air pollution control systems. Storage, collection, processing, and disposal of hazardous wastes. Fall.

ENV 4122C ECS-CECE 3(2,2) Air Pollution Control Design: PR: ENV 4120 with a grade of "C" (2.0) or better and department consent. Project course on design of air pollution control equipment and systems. Spring.

ENV 4300C ECS-CECE 3(2,2) Solid Waste Facility Design: PR: ENV 4341 with a grade of "C" (2.0) or better and department consent. Project course on design of a municipal solid waste landfill. Occasional.

ENV 4341 ECS-CECE 3(3,0) Sustainable Resource Management: PR: ENV 3001 with a grade of "C" (2.0) or better. Principles of industrial ecology, life cycle analysis, regulation of solid waste handling, and sustainable engineering design. Solid waste management facilities, food-energy-water nexus, carbon and water footprints. Fall.

ENV 4433C ECS-CECE 3(2,2) Environmental Engineering Wastewater Design: PR: EES 4111C, ENV 4531 both with grades of "C" (2.0) or better and department consent. Project course in advanced municipal and industrial wastewater treatment design with emphasis on teamwork to complete the design process. Occasional.

ENV 4531 ECS-CECE 3(3,0) Environmental Engineering Unit Operations & Processes: PR: ENV 3001, CWR 3201 both with a minimum grade of "C" (2.0) or better. Water and wastewater treatment design considerations with effluent and sludge handling, treatment and disposal. Fall, Spring.

ENV 4533 ECS-CECE 3(3,0) Advanced Environmental Engineering Operations & Processes: PR: ENV 4531 with a grade of "C" (2.0) or better. Advanced water and wastewater treatment including biological nutrient removal and desalination. Spring.

ENV 4562C ECS-CECE 3(2,2) Environmental Engineering Water Treatment Design: PR: EES 4202C and ENV 4531 both with grades of "C" (2.0) or better and department consent. Application of systems design criteria in the specification and design of a full scale potable water treatment plant. Spring. M&S fee $43.00

ENV 5410 ECS-CECE 3(3,0) Water Treatment: PR: EES 4202C or ENV 5517 or C.I. Possible water regulations, standards, chemical reactions, oxidation, disinfection by-products, ultraviolet irradiation. Internal corrosion and microbial control in municipal and industrial water distribution systems. Odd Spring.


ENV 5517 ECS-CECE 3(3,0) Engineering Chemical and Biological Processes: PR: ENV 4517 for equivalent. Coverage of equilibrium/irrational chemistry, softening and coagulation, and disinfection of water. Microbiology and water chemistry as applied to activated sludge system design. Fall.

ENV 5636 ECS-CECE 3(3,0) Environmental and Water Resources Systems Analysis: PR: ENV 3001 or C.I. Discussion of environmental and water resources systems with the emphasis on decision making, pollution prevention, and sustainability to aid in environmental engineering decision-making. Occasional.

ENV 4004C COS-BIOL 4(2,6) General Entomology: PR: A "C" (2.0) or better in both BSC 2010C and BSC 2011C, or C.I. Biology of insects: identification, taxonomy, physiology, behavior, and ecology. Occasional. M&S fee $15.00

ENV 5006C COS-BIOL 4(2,6) Entomology: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, Certificate in Conservation Biology, CWR 3201, or C.I. Morphology, physiology, ontology, behavior, ecology and population biology of insects. Odd Fall. M&S fee $40.00

EPD 5395 ED-CFCS 3(3,0) Physical and Sociological Implications of Handicapping Conditions: Overview of physical and sociological factors which may contribute to delayed learning or physical impairments in the exceptional populations. Physical interventions and first-aid practices are examined. Occasional.


ESE 4033C ED-TL&L 3(2,2) Critical Issues and Trends in Secondary Education: PR: Internship I in specific discipline. CR: ARE 4941, FLE 4941, LAE 4941, MAE 4941, SCE 4941, or SSE 4941. Examination of critical and contemporary issues and trends in secondary education classrooms. Laboratory experience will connect to the issues and trends specific to particular content areas. Fall, Spring.

ESE 4942 ED-TL&L 1(1,0) Internship II Seminar: PR: Internship I in the specific discipline. CR: Internship II in the specific discipline. Cullminating seminar emphasizing current classroom management and assessment issues, as they relate to teaching in the secondary grades. Fall, Spring.


ESI 4221 ECS-EMS 3(3,0) Empirical Methods for Industrial Engineering: PR: STA 3032 with a grade of "C" (2.0) or better. Application of empirical methods for industrial engineering problem solving and analysis. Occasional.

ESI 4234 ECS-EMS 3(3,0) Quality Engineering: PR: STA 3032 with a grade of "C" (2.0) or better. Basic concepts and techniques of quality control; applications of statistics in industrial research; design of quality assurance systems, reliability engineering. Fall.
ESI 4448 ECSI-ECSS (3.0) Applied Project Management: PR: Junior Standing. Statement of work, activity decisions, timelines, scheduling, and resource allocation methods. Techniques will be appropriate for large and small projects within commercial, academic, or non-profit organizations. Fall.

ETI 4640 ECSI-ECSS (3.0) Operations Management for Technologists: PR: ETI 4035: Scheduling techniques (PERT), (CPM), are presented. Time Study Methods, Work Sampling and MPM are covered. Fall, Spring.

EUEH 2000 CAH-HIST (3.0) Western Civilization I: A survey of western civilization from ancient to 1648. Fall, Spring.


EUEH 2001 CAH-HIST (3.0) Western Civilization II: A survey of western civilization from 1648 to present. May be taken before EUEH 2000. Fall, Spring.


EUEH 3124 CAH-HIST (3.0) The Crusades: PR: EUEH 2000 and EUH 2001 or C.I. The phenomenon of crusading in medieval Europe and the Middle East, including theories of "just war" and jihad. Even Spring.

EUEH 3142 CAH-HIST (3.0) Renaissance and Reformations: PR: EUEH 2000 and EUH 2001 or C.I. Influence of Renaissance humanism on arts, letters, and politics; Luther and Protestantism; the Catholic Counter-Reformation and the Thirty Years' War. Fall, Summer.

EUEH 3180 CAH-HIST (3.0) Sorcerers, Saints and Heretics: Religion in the Medieval World: PR: EUEH 2000 or C.I. Examines the mixture of superstition, paganism, heresies, Jewish and Muslim communities and the rising Catholic Church that formed religious life and society in medieval and medieval Europe. Occasional.

EUEH 3235 CAH-HIST (3.0) Romanticism and Realism: PR: EUEH 2000 and EUH 2001 or C.I. An analysis of novel and realism; new ideas and concepts; liberalism; romanticism, republicanism and socialism; urbanization, technology and mass culture, religious decline, Realpolitik, racism, imperialism, and militarism. Fall, Spring.

EUEH 3242 CAH-HIST (3.0) Modern Europe and the First World War: A survey of the impact of the democratic institutions, education, transportation, housing, health, mass communications, entertainment, women, and war. Fall, Spring.

EUEH 3251 CAH-HIST (3.0) Second World War and Rebirth of Europe: PR: EUEH 2000 and EUH 2001 or C.I. Origins of World War II; Hitler's "New Order," and resistance movements; Cold War. Fall.


EUEH 3421 CAH-HIST (3.0) History of Modern Italy: PR: EUEH 2001. The history of modern Italy from the origins of national unification through the post-World War II era. Occasional.


EUEH 3451 CAH-HIST (3.0) History of Modern France: PR: EUEH 2001, EUH 3462 or C.I. France beginning with the Napoleonic era. Topics include nineteenth century social, political and consumer revolutions, the World Wars, the Cold War, imperialism and decolonization. Occasional.

EUEH 3531 CAH-HIST (3.0) medieval Ireland: PR: EUEH 2000 and EUH 2001 or C.I. Ireland's historical and cultural development from 1129 to 1607. Occasional.

EUEH 3536 CAH-HIST (3.0) Early Modern Ireland: PR: EUEH 2000 and EUH 2001 or C.I. Ireland's historical and cultural development from 1607 to 1800. Occasional.


EUEH 3651 CAH-HIST (3.0) War and Society: Evolution of weapons, tactics, strategy, social status, recruitment of soldiers; influence of military on governments; and international efforts to preserve peace. Occasional.


EUEH 4284 CAH-HIST (3.0) Fascism and Nazism in the Interwar Europe: PR: EUEH 2000 and EUH 2001. Fascist and Nazi movements during the interwar era, mostly in Italy and Germany. Origins, development, seizure of power, system of government, ideology, domestic and foreign policies, resistance to these movements. Occasional.


EUEH 4426 CAH-HIST (3.0) Sex and Gender in Antiquity: PR: EUEH 2000 or WCH 2012. Examines the concepts of sex and gender in Greek and Roman societies and their impact on modern society. Occasional.

EUEH 4465 CAH-HIST (3.0) Hitler's Third Reich: PR: EUH 2000 and EUH 2001 or C.I. German nationalism and militarism; World War I and Versailles Treaty; the Weimar Republic and the rise of the Nazis; Second World War, division and recovery. Occasional.


EUEH 4502 CAH-HIST (3.0) British History: 1815-Present: PR: EUEH 2000 and EUH 2001 or C.I. Occasional.


EUEH 4571 CAH-HIST (3.0) History of Russia to 1801: PR: EUEH 2000 and EUH 2001 or C.I. Kievian State; Mongol Yoke; Development of Muscovite Expansionism and Absolutism; Time of Troubles; Westernization of Russia under Peter I and Catherine; Role of Orthodox Church. Occasional.
EUH 4574 CAH-HIST 3(3,0)
History of Russia: 1801-1917: PR: EUH 2000 and EUH 2001 or C.I. Alexander I; Napoleon Invasion, Revolutionary Movement; Russian Policy toward Central Asia and China; Great Reforms; Russo-Japanese War; Revolution of 1905; Constitutional Period; Triple Entente. Occasional.

EUH 4576 CAH-HIST 3(3,0)

EUH 4582 CAH-HIST 3(3,0)
20th Century Russian Diplomatic History: PR: C.I. Russian diplomatic history from the signing of the Entente Cordiale to the aftermath of the Cold War. Occasional.

EUH 4610 CAH-HIST 3(3,0)
Women in European Society: From Medieval to Modern Times: PR: standing or C.I. This course examines the changing situation of women in Europe from the Middle Ages to the twentieth century. Occasional.

EUH 4610H CAH-HIST 3(3,0)
Honors Women in European Society: PR: GEP Honors completion or permission of Honors. Interdisciplinary approach to the changing situation of women in Europe across space and time with honors-level content. Occasional.

EUH 4620 CAH-HIST 3(3,0)
European Great Powers: 1815-1914: PR: EUH 2000 and EUH 2001 or C.I. Congress of Vienna, Metternich's system, Crimean War, unifications of Italy, Germany, the Bismarckian era, the alliance systems, and the outbreak of World War I. Occasional.

EUH 4663 CAH-HIST 3(3,0)

EUH 4674 CAH-HIST 3(3,0)

EUH 4674H CAH-HIST 3(3,0)
Honors Sports & Society in the Ancient World: PR: GEP Honors completion or permission of Honors. Interdisciplinary approach to comparing the Original Olympic games and other ancient athletic spectacles with their modern counterparts with honors-level content. Occasional.

EUH 5285 CAH-HIST 3(3,0)
Colloquium in Europe Since World War II: PR: Graduate status or senior standing or C.I. Reading and class discussion of the literature on selected topics in European history since WWII. Occasional.

EUH 5415 CAH-HIST 3(3,0)
Rome and Early Christianity: PR: Graduate standing or C.I. Current trends in historical literature in Christianity from its development as a distinct religion to its relations with and eventual "triumph" within the Roman Empire. Occasional.

EUH 5419 CAH-HIST 3(3,0)
Colloquium in Roman History: PR: Graduate standing or C.I. Readings in selected topics in the history of Ancient Rome. May be used in the degree program a maximum of 2 times only when course content is different. Occasional.

EUH 5459 CAH-HIST 3(3,0)
Colloquium in French History: PR: Graduate standing or C.I. Readings in selected topics in French History. May be used in the degree program a maximum of 3 times. Occasional.

EUH 5546 CAH-HIST 3(3,0)
Colloquium: British History: PR: Graduate status or senior standing or C.I. Reading and discussion of the literature on selected topics in British history. There is no standard syllabus because content is different with each offering. May be repeated for credit only when course content is different. Occasional.

EUH 5579 CAH-HIST 3(3,0)
Colloquium in Soviet Russia: PR: Graduate status or senior standing or C.I. Reading and discussion of the literature on selected topics in Russian history, 1911-present. Occasional.

EUH 5905 CAH-HIST 3(3,0)
European Sport and Society: PR: Graduate standing or C.I. Readings in selected topics in the history of European Imperialism. May be used in the degree program a maximum of 3 times only when course content is different. Occasional.

EUH 5925 CAH-HIST 3(3,0)
Colloquium in Medieval Europe: PR: Graduate standing or C.I. Reading and class discussion of the history of medieval Europe. May be used in the degree program a maximum of 3 times only when course content is different. Occasional.

EVR 1001 COS-BIOL 3(4,0)
Introduction to Environmental Science: Environmental science and environmental systems in the context of real places, real people, real problems and real data. Fall.

EVR 1001H COS-BIOL 3(4,0)
Honors Introduction to Environmental Science: Environmental science and environmental systems in the context of real places, real people, real problems, and real data. Fall.

EXP 3204 COS-PSYCH 4(4,0)

EXP 3250 COS-PSYCH 3(3,0)

EXP 3304 COS-PSYCH 3(3,0)

EXP 3404 COS-PSYCH 3(3,0)

EXP 3604 COS-PSYCH 3(4,0)

EXP 3640 COS-PSYCH 3(3,0)

EXP 4507 COS-PSYCH 3(3,0)

EXP 5208 COS-PSYCH 3(3,0)
Sensation and Perception: PR: Graduate status or senior standing or C.I. A study involving human information processing with regard to physical and psychological variables in sensory and perceptual phenomena. Odd Spring.

EXP 5254 COS-PSYCH 3(3,0)
Human Factors and Aging: PR: Graduate standing, post bac or senior standing with C.I. An overview of issues related to enhancing quality of life of elderly through the implementation of basic human factors principles in environmental and task design. Even Fall.

EXP 5256 COS-PSYCH 3(3,0)
Human Factors I: PR: Graduate status or senior standing or C.I. Survey of human factors literature. Introduction to topics including human capabilities and human interfaces with human-machine systems. Fall.

FIL 1000 CAH-SVAD 3(3,0)
Film Survey: Introductory course that focuses on different approaches to studying cinema. Fall/Spring.

FIL 1000H CAH-SVAD 3(3,0)
Honors Cinema Survey: PR: Permission of Honors. Introductory course that focuses on different approaches to studying cinema. Honors-level content. Fall/Spring.

FIL 1007 CAH-SVAD 3(3,0)
Foundations of Story: PR: Digital Media or Cinema Studies major, or Cinema Studies minor. Analysis of dramatic and cinematic narrative structures, both plot and character, from historical and cultural perspectives. Fall/Spring.

FIL 1008 CAH-SVAD 3(3,0)
Cinematic Expression/Aesthetics: PR: Digital Media or Cinema Studies major. Analysis and practice of aesthetic principles essential in filmmaking, including composition, moving graphics, image design, lighting styles. Fall/Spring.

FIL 2030 CAH-SVAD 3(2,2)
History of Motion Pictures: The history of motion pictures as art and industry, from 1895 to the present. Fall/Spring.

FIL 2107 CAH-SVAD 3(3,0)
Screen Analysis: PR: or CR: ENC 1101 and FIL 1007. Introduction to dramatic and visual storytelling techniques used in both traditional and non-traditional filmmaking and screenwriting. Fall/Spring.

FIL 2423 CAH-SVAD 3(3,0)
Foundations of Production: PR: Digital Media or Cinema Studies major, or Cinema Studies minor. Basic production techniques used in film making. Students must supply their own video equipment and editing equipment. Any format is acceptable. Fall/Spring.

FIL 2481 CAH-SVAD 3(3,0)
Cinematography I: PR: FIL 2552 and FIL 2480. Concepts and tools of cinematography and lighting. Fall. M&S fee $45.00

FIL 2480 CAH-SVAD 3(3,0)
Directing for Film I: PR: FIL 1007, FIL 1008, and FIL 3427C. PR or CR: FIL 3115. Introduction to processes and techniques for film directing. Spring. M&S fee $70.00

FIL 2481 CAH-SVAD 3(3,0)
Directing the Actor for Film I: PR: Film BFA or World Cinema major. Developing an ability to direct and work with film actors effectively, using various acting and directing techniques. Spring.

FIL 2552 CAH-SVAD 3(3,0)
Editing I: PR: FIL 1006 and FIL 3427C. PR or CR: FIL 3115. Basic editing concepts and techniques, using non-linear editing systems. Spring.

FIL 3006 CAH-SVAD 3(3,0)
Art of the Cinema: PR: FIL 2030. An analysis of basic elements of cinematic style including film direction, editing, cinematography, art direction and sound. Fall/Spring.

FIL 3035C CAH-SVAD 3(3,1)
Film Histories II: PR: FIL 2030, FIL 2107 and Film BFA, World Cinema, or Cinema Studies major. Examines film history in a depth of detail and with rigor that is appropriate for majors in the subject. This course covers cinema history from 1895 to 1945. Fall.
FIL 3037 CAH-SVAD 3(3,0) Film History II: PR: FIL 2030, FIL 2107 and Film BFA, World Cinema, or Cinema Studies major. Film history in a depth of detail and with rigor that is appropriate for majors in the subject. This course covers from 1946 to the present. Spring.

FIL 3041 CAH-SVAD 3(3,0) History of Animated Films I: PR: Cinema Studies, Art, Animation or Digital Media major; Evolution of animation from its roots in Art, Theatre, and Novelty Inventions to its rise as a cinematic force of popular storytelling. Even Fall.

FIL 3051 CAH-SVAD 3(3,0) Advancement: Documentary Production: PR: FIL 3386C and FIL 3845, or C.I. Processes and principles of advanced documentary production to capture on-going reality based situations. Occasional.

FIL 3379C CAH-SVAD 3(3,6) Honors Advanced Documentary Workshop: PR: ENC 1102H and Consent of Honors or C.I. Public history research and documentary production. Student-produced multimedia projects centered on local partnerships that explore the public history of Central Florida. With Honors content. Occasional.

FIL 3427C CAH-SVAD 3(2,4) Introduction to Film Production: PR: or CR: FIL 2107 and Film BFA or World Cinema major. Introduction to production utilizing film equipment. Basic technical and aesthetic aspects of production. Fall.

FIL 3455C CAH-SVAD 6(2,4) Film and Production Design: PR: FIL 2423 or FIL 3427C, and FIL 2030. The use of landscape in film and its importance to the art of production design. Occasional.

FIL 3462C CAH-SVAD 3(3,1) Cinematic Expression: PR: FIL 3803C. Cinematography using video format; study of fundamentals of motion-picture communication, film structure and storytelling. Spring.

FIL 3483 CAH-SVAD 3(3,0) Directing the Actor for Film II: PR: FIL 2481. Characterization and scene study as it applies to directing the actor for film. Occasional.

FIL 3492C CAH-SVAD 3(3,1) Performance in Film: PR: FIL 3035C. Study of the different traditions and forms of acting in film. Occasional.

FIL 3534 CAH-SVAD 3(3,1) Sound Design for Film I: PR: FIL 3427C and Film BFA or C.I. Technical and aesthetic aspects of production and post-production sound recording, editing, and mixing for film. Fall.

FIL 3720C CAH-SVAD 3(2,4) Introduction to Animation: PR: DIG 3501 and declared Character Animation specialization, or ART 3950 and declared Experimental Animation specialization, or a minimum grade of "B" (3.0) in DIG 4713 and declared Game Design specialization. Interactive computer graphic techniques utilizing microcomputer systems. Techniques include basic paint systems, color cycling and 2D animation. Fall.

FIL 3734C CAH-SVAD 3(2,4) Intermediate Animation: PR: Experimental Animation and Character Animation majors only, FIL 3720C and DIG 4760C, and successful portfolio review or C.I. Focus on 3D computer modeling and animation systems. Hands-on exercise on the type of high-end animation systems used in the film industry. May be repeated for credit. Fall.

FIL 3803C CAH-SVAD 3(3,1) Film Theory and Criticism I: PR: FIL 2107 and Film BFA, World Cinema, or Cinema Studies major. Major film theories to the Second World War Period. Fall.

FIL 3804C CAH-SVAD 3(3,1) Film Theory and Criticism II: PR: FIL 2107 and Film BFA or Cinema Studies major. Major film theories from Second World War period to present. Spring.

FIL 3812C CAH-SVAD 3(3,1) Film Theories and Practices: PR: PHI 2101. Concentration on the film theories of film-makers in relation to their own work and to the cinema generally. Spring.

FIL 3820 CAH-LANG 3(3,0) Italian Film: This course attempts to stimulate and/or increase the interest of students in Italian cinema as an art form and to support the role played by the industry in its influence on world cinema. Students will be encouraged to study Italian cinema as it is an art form in its own right, and they will be introduced to the diversity and richness of Italian film. Occasional.

FIL 3830 CAH-LANG 3(3,0) Film BFA, World Cinema, or Cinema Studies major. The uses and analysis of the non-fiction film. Fall/Spring.

FIL 3822 CAH-LANG 3(3,0) French Films: The study of French cinema as an art form and the key role of the director. Films are analyzed from the perspective of social, cultural, and aesthetic concerns with attention to their relationship with French literature. Taught in English. Occasional.

FIL 3823 CAH-LANG 3(3,0) German Film: PR: C.I. Exploration of the form and context. German film during different time periods in relation to other aspects of culture and to sociopolitical structures at the time. Occasional.

FIL 3826 CAH-LANG 3(3,0) American Cinema: PR: FIL 3036 or FIL 3037, or C.I. Post-World War II period of the Italian cinema, with emphasis on the work of Antonioni, Visconti, Pasolini, Fellini, and Rossellini. Occasional.


FIL 3841 CAH-LANG 3(3,0) French New Wave Cinema: PR: FIL 3036 or FIL 3037, or C.I. Post-World War II period of the Italian cinema, emphasizing the work of Renoir, Bresson, Godard, Rohmer, Resnais, and Rivette. Occasional.

FIL 3842 CAH-LANG 3(3,0) International Cinema: PR: or CR: FIL 3036 or FIL 3037, and Film BFA or Cinema Studies major. Post-World War II period of the international cinema, with emphasis on the cinemas of Europe and Asia. Occasional.

FIL 3845 CAH-LANG 3(3,0) World Cinema Traditions: PR: or CR: FIL 3036 or FIL 3037 and Film BFA, World Cinema, or Cinema Studies major. The relationship among film, history, and culture in selected Asian, African, Middle Eastern and Western countries. Fall/Spring.

FIL 3847 CAH-LANG 3(3,0) Latin American Cinema: PR: or CR: FIL 3036 or FIL 3037 and Film BFA, World Cinema, or Cinema Studies major. Latin American films and film movements, historical and contemporary issues, social, and aesthetic concerns. Spring.

FIL 3850 CAH-LANG 3(3,0) Film Directors: PR: FIL 3803C and Film BFA, World Cinema, or Cinema Studies major, or C.I. Intensive study of the work of selected film-makers using multiple modes of criticism and author analysis to examine films. Occasional.

FIL 3852 CAH-LANG 3(3,0) Film Directing: PR: FIL 3307 and ENC 1102, FIL 2030, FIL 3803C. Modes of cinema criticism. Occasional.

FIL 3860C CAH-SVAD 3(3,1) The Shot, Framing, Point of View: PR: FIL 3035C. Approaches to the shot, framing and point of view. Occasional.

FIL 3862C CAH-SVAD 3(3,1) Narrative Structures in Film: PR: LIT 2110 and LIT 2200. Different structures of narrative in film and the ways in which narrative structures have been theorized and understood. Fall.


FIL 3871 CAH-SVAD 3(3,0) The American Film Artist: PR: FIL 2030. Analysis of a major American filmmaker's style, vision and works; how these evolved and their impact on film and the culture. May be repeated for credit. Fall.

FIL 3876C CAH-SVAD 3(3,1) Experimental Cinema I: PR: FIL 3075C. A notion of cinema as an expansion of possibilities organized around form, material, and conceptual aspects of film. Fall/Spring.

FIL 3877C CAH-SVAD 3(3,1) Experimental Cinema II: PR: FIL 3876C. Concentration on specific aesthetic strategies of experimental film including those derived from the work of artists outside of the film related to treatments of reality and the perception of light. Spring.

FIL 3878C CAH-SVAD 3(3,1) Color and Lighting in Cinema: PR: FIL 3035C. Ideas and practices related to lighting and color primarily in film but also painting, sculpture, photography and theatre. Occasional.

FIL 3880C CAH-SVAD 3(3,1) Images of Women in Film: PR: FIL 2030. Images of women in film and how these images are shaped and structured in relation to circumstances of production, aesthetics, cultural, historical, and ideological factors. Fall/Spring.

FIL 3922 CAH-SVAD 1(1,1) Film Colloquium: PR: Film majors only. A series of lectures, films and forums designed for students in the film program. The class is taught by film faculty and guest speakers from the film industry. Graded SU. May be repeated for credit. Fall/Spring.

FIL 4040 CAH-SVAD 3(3,0) Animation Film History for Non Film Majors: PR ENC 1102. Exploration of animation as a form of cultural expression. Fall/Spring.

FIL 4042 CAH-SVAD 3(3,0) History of Animated Films II: PR: FIL 3041, and Cinema Studies, Art, Animation or Digital Media major. Growth and diversification of American and international animation since 1945. Spring.

FIL 4057C CAH-SVAD 3(3,1) Hollywood Cinema: PR: FIL 3035C. This course studies Hollywood cinema historically, culturally, stylistically, and organizationally. Occasional.

FIL 4103 CAH-SVAD 3(3,0) Adaptation: PR: FIL 2107. The process of adapting scripts from other sources. The investigation of the legalities of adaptation, analysis of existing models, and written adaptations. Occasional.

FIL 4103H CAH-SVAD 3(3,0) Honors Film Adaptation: PR: Consent of Honors. The process of adapting scripts from other sources. The investigation of the legalities of adaptation, analysis of existing models, and written adaptations. With Honors consent. Occasional.

FIL 4126C CAH-SVAD 3(2,2) Genre Writing: PR: Film major, FIL 3030C. Advanced screenwriting practice in selected genres, including comedy, humor, western, crime, etc. Occasional.

FIL 4162C CAH-SVAD 3(2,3) Feature/TV Writing I: PR: Film BFA, World Cinema, or Cinema Studies major, or FIL 3115, or C.I. Writing workshop, examination of mythic storytelling, and ethics of screenwriting. Fall.

FIL 4163C CAH-SVAD 3(2,3) Feature/TV Writing II: PR: FIL 4162C. Advanced writing workshops, principles and methods of adaptation and reader's coverage. Spring.

FIL 4301C CAH-SVAD 3(1,3) Documentary Workshop I: PR: FIL 3836C or C.I. Socially significant documentary projects for community groups, heritage organizations, non-profit agencies using film, video and digital media. Fall. M&S fee $400.00.

FIL 4302C CAH-SVAD 3(1,3) Documentary Workshop II: PR: FIL 4301C or C.I. Advanced documentary projects for community groups, heritage organizations, non-profit agencies and NGOs using film, video and digital media. Spring.

FIL 4303C CAH-SVAD 3(3,1) Film Fiction and the Document: PR: LIT 2110, FIL 3075C, and FIL 3076C. Study of the shifting boundary between fiction and documentary in film and in the other arts at the core of which is the notion of the document. Fall.

FIL 4434C CAH-SVAD 3(2,4) Capstone I: PR: FIL 3132 and Film BFA or World Cinema major. Intensive tutorial guidance, instruction and evaluation of final film project from initial concept through production. May be repeated for credit. Fall.


FIL 4486C CAH-SVAD 3(3,1) Film Production Management: PR: Junior standing and FIL 1008 or C.I. Production, budgeting, crew procurement, location scouting, and crew procurement. Spring.

FIL 4661 CAH-SVAD 3(3,0) The Film Producer: PR: FIL 2423 or FIL 3427C and senior standing and Film BFA, World Cinema, or Cinema Studies major. The role of the producer is examined in the context of theatrical film. Spring.

FIL 4735C CAH-SVAD 3(2,4) Experimental Animation: PR: "C" (2.0) or better in FIL 3734C and a satisfactory portfolio review or C.I. Individual and group creation of original narrative and non-narrative animation with sound through classic, current, innovative, and hybrid analog and digital methodology. May be repeated for credit. Occasional.

FIL 4740C CAH-SVAD 3(3,1) Film and Digitalization: PR: FIL 3035C. A study of the new possibilities offered to film and thinking about film by digitalization. Occasional.

FIL 4750C CAH-SVAD 3(2,4) Experimental Animation Workshop: PR: "C" (2.0) or better in FIL 3720C and a satisfactory portfolio review or C.I. Individual and group creation of original narrative and non-narrative animation with sound through classic, current, innovative, and hybrid analog and digital methodology. May be repeated for credit. Occasional.

FIL 4830 CAH-SVAD 3(3,0) Motion Picture Genre: PR: FIL 3035C. Analysis and evaluation of films, including their major genres, directors, styles, and periods. Occasional.

FIL 4835C CAH-SVAD 3(3,0) Motion Pictures, Genre and Tradition: PR: Consent of Honors. Analysis and evaluation of films, including their major genres, directors, styles, and periods. With Honors consent. Occasional.

FIL 4863C CAH-SVAD 3(3,1) Experimental Animation: PR: FIL 3035C and FIL 3076C. A study of montage primarily but not exclusively in film. Emphasizing the way montage constructs continuities and disjunctions. The course is theoretical with practical exercises. Fall.

FIL 4934CAH-SVAD 3(3,1) Current Problems in Film and Culture: PR: FIL 3035C. Concentration on the most recent work in film studies concerned with film in its relation to cultural issues. Occasional.

FIL 4935CAH-SVAD 3(3,1) Current Problems in Film Theory: PR: FIL 3035C. Concentration on most recent work in film studies concerned with film theory. Occasional.

FIL 4939CAH-SVAD 3(3,1) Current Problems in Film History: PR: FIL 3035C. Concentration on most recent work in film studies concerned with film history. Occasional.

FIL 5046 CAH-SVAD 3(3,0) Theories of Film Production: PR: Film MA student or C.I. Comparative analysis of motion picture production methodologies, including the studio industrial model, from a historical/critical perspective. Spring.

FIL 5414 CAH-SVAD 3(3,0) Film Vision, Scope & Financing: PR: Acceptance to the MFA Film & Digital Media program. Exploration of the creative and business challenges filmmakers encounter when working on a screenplay, including financing, making, and distributing a digital, microbudget motion picture. Spring.

FIL 5419 CAH-SVAD 3(3,0) Developing the Film Screenplay: PR: Admission to MFA Film & Digital Media-Entre Dig Cin track, or C.I. Development of an existing, original screenplay to fit the demands, limits, and possibilities of the microbudget, digital film paradigm. Fall.

FIL 5800 CAH-SVAD 3(3,0) Research Methods in Film and Digital Media: PR: Admission to Film and Digital Media graduate program or C.I. Research methods and techniques for the study and production of film and new media. Spring.
FIN 3414 Intermediate Corporate Finance: PR: FIN 3403 with a “B” (3.0) or better; open to finance majors and minors, or with instructor consent which will be based on meeting qualifications for finance majors and minors. Understanding the principles of corporate finance, investment, financing, and capital decisions and regulations. Fall, Spring.

FIN 4506C Applied Portfolio Management 1: PR: Finance major, FIN 4504 or FIN 4243, each with a “C” (2.0) or better and C.I. For UCF Student Managed Portfolio program participants. Provides detailed, rigorous analyses of portfolio management topics, including risk/return, valuation, forecasting, portfolio construction, and performance appraisal. Occasional.

FIN 4561C Applied Portfolio Management 2: PR: Finance major, FIN 4506C with a “C” (2.0) or better, and C.I. for UCF Student Managed Portfolio program participants. Rigorous coverage of advanced portfolio management topics, including uses of derivatives, tax issues, and style investing. Occasional.

FIN 4614 BA-FIN 3(3.0) Senior Financial Consulting II: PR: Finance major, FIN 4730 with a “C” (2.0) or better. Integrates financial problem solving, design, and consulting in projects for major corporations. Part 2 of two course sequence. Students must register for both semesters. Occasional.

FIN 4731 BA-FIN 3(3.0) Senior Financial Consulting II: PR: Finance major, FIN 4730 with a “C” (2.0) or better. Project management in a collaborative, interdisciplinary team environment. Incorporates financial problem solving, design and consulting in projects for major corporations. Part 2 of two course sequence. Students must register for both semesters. Occasional.

FIN 4941 BA-FIN 3(0,3) Finance Internship: PR: Finance major with at least 6 hours of completed coursework in finance, 3.0 Finance major GPA, minimum overall GPA of 2.75 and consent of internship coordinator. Supervised finance work experience in a pre-approved sponsoring organization. See department for information and application. Graded S/U. Fall, Spring.

FLE 3160 ED-TL&L 3(0,3) Education and Culture/Language Diversity: PR: Admission to major, overall 2.5 GPA, 3.0 GPA in major, and C.I. A cross-cultural field experience which includes cultural and language immersion. Theoretical and applied knowledge of culture and language. Diversity. Occasional.

FLE 4314 ED-TL&L 3(0,3) Foreign Language Teaching in Elementary Schools: Methods of planning and teaching foreign languages in the elementary school. The emphasis is on teaching communicatively and on integrating culture in the K-6 classroom. Occasional.

FLE 4333 ED-TL&L 3(0,3) Foreign Language Teaching in the Secondary School: Methods of planning and teaching foreign languages at the secondary level within a communicative framework. Current instructional techniques in listening, speaking, reading, and writing skills, testing, error correction. May be repeated for credit. Occasional.

FLE 5331 ED-TL&L 3(0,3) Foreign Language Methods at the Secondary Level: PR: Graduate standing or C.I. Methods of planning and teaching foreign language at the secondary level. The emphasis is on teaching communicatively and on integrating culture in the 6-12 classroom. Occasional.

FLE 5335 ED-TL&L 3(0,3) Foreign Language Methods at the Elementary Level: PR: Graduate standing or C.I. Methods of planning and teaching foreign language at the elementary level. The emphasis is on teaching communicatively and on integrating culture in the K-6 classroom. May be repeated for credit. Occasional.

FRE 1120C CAH-LANG 4(3,1) Elementary French Language and Civilization I: Introduces the student to French culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in the language Fall, Spring.

FRE 1121C CAH-LANG 4(3,1) Elementary French Language and Civilization II: PR: FRE 1120C or equivalent. Continuation of FRE 1120C. Fall, Spring.

FRE 2200 CAH-LANG 3(3,1) Intermediate French Language and Civilization: PR: FRE 1121C or equivalent. Development of language skills and cultural knowledge at the intermediate level. Fall, Spring.

FRE 2201 CAH-LANG 3(3,1) Intermediate French Language and Civilization: PR: FRE 2200 or equivalent. Continuation of FRE 2200 with emphasis on French civilization. Fall, Spring.


FRE 3300 CAH-LANG 3(3,0) French Grammar: PR: FRE 2201 or equivalent. An in-depth review of the structures of French for students who intend to take French literature courses. Fall.
FRE 3410 CAH-LANG 3(3,0) Advanced Oral French Abroad: PR: FRE 2200, FRE 2201 or equivalent. Designed for students participating in the Study Abroad Program in France. Students will be immersed throughout the term speaking French. May be repeated for credit. Occasional.

FRE 3420 CAH-LANG 3(3,0) French Composition: PR: FRE 2201 or equivalent. Development of skills in composition. Fall.

FRE 3423 CAH-LANG 3(3,0) Advanced French Grammar: PR: FRE 2200, FRE 2201 or equivalent. Students will be immersed throughout the term applying grammatical concepts as they relate to written expression in order to enhance oral expression. May be repeated for credit. Occasional.

FRE 3440 CAH-LANG 3(3,0) Business French I: PR: Three semesters of French language. Introduces vocabulary and terminology in various French business activities, as well as standards, procedures, and practices of the French business world. Occasional.

FRE 3441 CAH-LANG 3(3,0) Business French II: PR: FRE 3440 or C.I. Introduction to French business language and practices. Occasional.

FRE 3760 CAH-LANG 3(3,0) Advanced French Oral Communication: PR: FRE 2201 or equivalent. Vocabulary building with systematic training in listening and speaking oral presentations as well as production and delivery of real-life dialogues. Spring.

FRE 3780 CAH-LANG 3(3,0) French Phonetics and Diction: French phonology, with emphasis on phonic groupings. Spring.

FRE 3954 CAH-LANG 6(6,0) Study Abroad in the Caribbean: PR: FRE 2201 or equivalent. Travel through Caribbean islands, studying the diversity within the Creole cultures. May be repeated for credit. Occasional.

FRE 4421 CAH-LANG 3(3,0) Advanced French Conversation: PR: FRE 3760. Advanced conversation on directed topics from various disciplines: literature, art, psychology, philosophy, music, business, and the sciences. Fall.

FRE 4422 CAH-LANG 3(3,0) Advanced French Composition: PR: FRE 3420. Readings and written imitations of modern literary styles in the form of themes, sketches, poems, and original stories. Spring.

FRE 4471 CAH-LANG 6(6,0) Advanced French Cultural Studies Abroad: PR: FRE 2201 or equivalent, or C.I. Students will develop strong conversational skills at the third year level while studying French culture abroad. May be repeated for credit. Occasional.

FRE 4500 CAH-LANG 3(3,0) French Civilization and Culture: PR: FRE 3420. A survey analyzing development of key elements of French life: its historical, artistic, intellectual, scientific, and spiritual contributions to the world via readings, films, lectures, and other media. Conducted in French. Occasional.

FRE 4503 CAH-LANG 2(2,0) Quebecois Civilization: PR: 2 years of college level French or equivalent. An introduction to the main epochs and events in the history of the French civilization in North America with particular emphasis on Quebec. Occasional.

FRE 4752 CAH-LANG 2(2,0) Advanced French Phonetics and Diction: PR: 2 years of college level French or equivalent. Intensive exercises in French phonetics and diction with both prose and poetry with particular emphasis on difficulties for speakers of English. Occasional.

FRF 3140 CAH-LANG 3(3,0) French and Francophone Literary Masques in Translation: PR: FRE 2200. May include survey covering texts from the Middle Ages to the present or may focus on a particular period, genre, or topic. Occasional.

FRF 3562 CAH-LANG 3(3,0) French Contemporary Pop Culture: PR: FRE 2200. Examination of modern French culture, with emphasis on contemporary trends in language, music, fashion, fiction, press, cyberculture, street arts, and food. Occasional.

FRF 4421 CAH-LANG 3(3,0) French Medieval Literature and Culture: PR: FRW 3160. Provides students with the skills needed to read, discuss, and write about French literature and culture of medieval France. Occasional.

FRW 3100 CAH-LANG 3(3,0) Survey of French Literature I: PR: FRE 2201 or equivalent. Survey of literature from the Middle Ages through the 18th century. Fall.

FRW 3101 CAH-LANG 3(3,0) Survey of French Literature II: PR: FRE 2201 or equivalent. Main literary currents and works of the 19th and 20th centuries. Spring.

FRW 3370 CAH-LANG 3(3,0) Short Stories of 18th, 19th and 20th Centuries: PR: FRE 2201 or equivalent. Selected readings designed to increase reading speed and develop analytical abilities. Authors include: Voltaire, Maupassant, Flaubert, Camus, and others. Occasional.

FRW 3740 CAH-LANG 3(3,0) The French Literature of Canada: PR: FRE 2201 or equivalent. A survey of the French literature of Canada from the late 19th century to the present, with particular emphasis on the novel and short story. Occasional.

FRW 3752 CAH-LANG 3(3,0) French Caribbean Literature: PR: FRE 2201 or equivalent. Literature of the French speaking Caribbean from colonial times to the present, in French. Occasional.


FRW 3770 CAH-LANG 3(3,0) Francophone Literature: PR: FRE 2201. The literature of the Francophone world. Students will read, analyze and discuss literary works written in French. Even Spring.

FRW 3810 CAH-LANG 3(3,0) French Literary Texts and Analysis: PR: FRE 2201. French literature and literary analysis from the Middle Ages to the present. Course is conducted in French. Fall.

FRW 4281 CAH-LANG 3(3,0) 20th Century French Novels: PR: FRW 3100 or FRW 3101 or equivalent. Contemporary French novel. Will focus on post-war authors, both traditional and avant-garde, such as Bazin, Beckett, Butor, Camus, Maupassant, Malraux and Sarraute. Occasional.

FRW 4310 CAH-LANG 3(3,0) Twentieth Century French Theatre: PR: FRW 3100. Corneille, Racine, and Moliere. A study of the lives and principal works of the authors. Occasional.

FRW 4324 CAH-LANG 3(3,0) 20th Century French Drama: PR: FRW 3100 or FRW 3101 or equivalent, or C.I. Concentration on traditional and avant-garde theater after WWII, such as the works of Beckett, Camus, Claudel, Claudoux, Ionesco, and Sarret. Different literary approaches will also be used. Occasional.


FRW 4440 CAH-LANG 3(3,0) French Literature of the Eighteenth Century: PR: FRW 3100. The philosophical movement of Montesquieu, Voltaire, Diderot, Buffon. Odd Fall.


FRW 4820 CAH-LANG 3(3,0) Stylistics: PR: FRE 3420 or equivalent. An intensive study of textual criticism, an examination of the relationship between language and literature; explications and linguistic analysis of literary texts. Occasional.

FRW 4921 CAH-LANG 4(3,3) Techniques of Food Preparation: PR: HFT 1102 or C.I. Populations and practice of food and beverage preparation, service, and menu development. Fall, Spring. M&S fee $70.00

FRW 4924 CAH-LANG 4(3,3) Food Preparation for Catered Events: PR: HFT 1100. Basic principles and practice of food preparation and menu development for catered events. Methods and procedures for on and off premise catered events. Fall, Spring. M&S fee $70.00

FRW 4928 CAH-LANG 4(3,3) Foodservice Operations Management: PR: HFT 1100, HFT 2221C, HFT 3263 and Junior standing. The purchasing procedures, specifications, and controls of food and related products in the hospitality industry. Fall, Spring. M&S fee $45.00

FRW 4932 CAH-LANG 4(3,3) Corporate and Managed Services Organizations: PR: HFT 1102 or C.I. Populations, hemispheric interdependence, and international development of Latin America. Fall.

FRW 4935 CAH-LANG 4(3,3) Foodservice Operations Management: PR: HFT 1100, HFT 2221C, HFT 3263, and Junior standing. Methods and procedures for successful on and off premise catering functions. Emphasis on food and beverage preparation, menu planning, service and sales techniques. Laboratory class. Occasional. M&S fee $70.00

FRW 4936 CAH-LANG 4(3,3) Corporate Contract and Managed Services Organizations: PR: HFT 1102 or C.I. Populations, hemispheric interdependence, and international development of Latin America. Fall.

FRW 4937 CAH-LANG 4(3,3) Corporate Contract and Managed Services Organizations: PR: HFT 1102 or C.I. Populations, hemispheric interdependence, and international development of Latin America. Fall.

FRW 4940 CAH-LANG 3(3,0) Geography of Latin America: PR: ENC 1102 or C.I. Populations, hemispheric interdependence, and international development of Latin America. Fall.

FRW 4941 CAH-LANG 3(3,0) Geography of Brazil: PR: ENC 1101 or C.I. Geophysical, cultural, economic, and social characteristics and processes of Brazil. Fall.
Fall, Spring.

2401. Presentation, interpretation, and analysis of internal PR: ECO 2013 or ECO 2023, and MAC 1105 and HFT HFT 3224. Discuss cultural, demographic and technology market foundations of media production, data analytics, digital promotion and distribution in the entertainment industry. Higher tech for higher touch building on computer literacy and operation knowledge. Fall, Spring.

3463. Revenue & Relationships in the Entertainment Industry: PR: HFT 2401 and HFT 3375. Basic fund raising principles and sales strategies within the entertainment industry are applied. Industry relevant concepts of revenue and relationship management strategies are learned. Fall, Spring.

3512. Event Promotion: PR: HFT 2750, and HFT 2500. Promotion of events to sponsors, attendees, exhibitors and other participants. Fall, Spring.

3519. Event Services: PR: HFT 2750 and HFT 2254. The acquisition and management of services integral to the success of events. The supply side of the event industry. Fall, Spring. M&S fee $32.00.

3523. Event Sales: PR: HFT 2500 and HFT 3519, or C.I. In-depth look at the sales process for events, including the development of required proposals, negotiation skills and sales strategies. Fall, Spring.

3540. Event Services Management I: PR: ECO 2013 or ECO 2023, and MAC 1105. The study of making decisions from the guest’s point of view in the hospitality industry. Fall, Spring.

3593. Consumer Behavior in Entertainment: PR: HFT 2071, and HFT 2363. Explores entertainment consumer behavior as driven by physiological, psychological and social domains and that are modeled by marketing practices and macro-environmental factors. Fall, Spring.


3670. Tourism Management: PR: HFT 1000 and junior standing or C.I. Analysis of the tourism phenomenon in contemporary societies. An exploration of major concepts about tourism as an inter-linked industry composed of many sectors within both the private and public sectors. Fall, Spring.

3700. Tourism Leadership: PR: HFT 1000 and junior standing or C.I. Leading in the Entertainment Industry: PR: HFT 2071 and HFT 2350. The course challenges students to develop a personal leadership framework that can successfully function within a creative environment through the lens of entertainment. Fall, Spring.

3795. Leading in the Entertainment Industry: PR: HFT 2071 and HFT 2350. The course challenges students to develop a personal leadership framework that can successfully function within a creative environment through the lens of entertainment. Fall, Spring.


3811. Foodservice Marketing, Sales, and Distribution: PR: HFT 1000 and HFT 2500. The course examines the principles of beverage sales, marketing and distribution, including brand management, legal issues, and the roles of producers, importers, wholesalers, retailers, and hospitality outlets. Spring.

3812. Foodservice Marketing, Sales, and Distribution: PR: HFT 1000 and HFT 2503. Foodservice marketing, sales, and distribution from both an operator and supplier perspective. Fall, Spring.

3868. History and Culture of Wine: PR: Minimum age of 21 and a History course or C.I. The role that wine has played in the history, culture, and religion of diverse civilizations. Occasional. M&S fee $70.00.

3933. Hospitality Franchising: PR: HFT 1000 and Junior standing or C.I. Application of case studies in real world franchising to the concepts of franchising, contract rates, acquisition and management of services integral to the success of events. The supply side of the event industry. Fall, Spring. M&S fee $32.00.

4065. Hospitality Operations: PR: HFT 2750, and at least 21 years of age. This course is designed to familiarize the student with the production, aroma/taste profiles, branding, advertising, sales, distribution, laws, regulations, and responsible practices of distilled spirits. Occasional. M&S fee $45.00.

4026C. Hospitality Operations: PR: HFT 2254, HFT 2500, HFT 3431, HFT 3603 and HFT 3610. Advanced case study course based on interaction with hotels, timeshares, shared ownership properties, and other sleeping accommodations. Exposes course participants to real life operational situations. Spring.

4025. Hospitality Brands Management: PR: HFT 2124, HFT 2500, and HFT 3031 and Junior Standing. The course challenges students to develop a personal leadership framework that can successfully function within a creative environment through the lens of entertainment. Fall, Spring.

4026. Hospitality Brands Management: PR: HFT 2124, HFT 2500, and HFT 3031 and Junior Standing. Exploration of the principles of brand management for restaurants and foodservice, hotels, timeshares and shared ownership properties. Fall, Spring.

4068. Case Studies in Restaurant Management: PR: HFT 3603 and Junior standing or C.I. Application of case study methodology to advance topics in restaurant and food service management. Fall, Spring.

4074. Resort Management: PR: HFT 1000, HFT 2254, or C.I. Comprehensive analysis of applied theories, principles, and techniques in the management of hotels and shared ownership/timeshare properties. Spring.
HFT 4275 RCHM-FOOD&LODG 3(3,0) Development of Vacation Ownership Resorts: PR: C.I. Hospitality Management core, or C.I. Sales tactics and business-to-business strategies employed in the sales and marketing of resort hotels, timeshares, and shared ownership properties. Fall, Spring.

HFT 4277 RCHM-TEA 3(3,0) Club Management: PR: HFT 1000 and junior standing or C.I. A seminar discussing the main geographical characteristics for hotels, timeshares and shared ownership properties. Fall, Spring.


HFT 4286 RCHM-HSP SERV 3(3,0) Hospitality Communications: PR: HFT 1000: HFT 2220; HFT 3444; HFT 3540 and Junior standing. Communication exchanges in the hospitality industry for effective presentations, conflict resolution, and report writing. Emphasis on inter departmental dependence by managers in hospitality enterprises in the areas of reading, writing, speaking, and listening. Fall, Spring.

HFT 4295 RCHM-TEA SERV 3(3,0) Leadership and Strategic Management: Hospitality Industry: PR: Senior standing; PR: CR: HFT 4464. Principles of strategic decision making in various hospitality and tourism organizations; lectures, class discussions, and group case analysis presentations. Fall, Spring.

HFT 4343 RCHM-HSP SERV 3(3,0) Hospitality Facilities Management: PR: HFT 1000, HFT 2254 and Junior standing; or C.I. Principles of facility planning, layout, design, and physical plant characteristics for hotels, timeshares and shared ownership properties, restaurants and foodservice and other hospitality related venues. Fall, Spring.


HFT 4375 RCHM-TEA 3(3,0) Advanced Trade Show Management: PR: HFT 4754 or C.I. Trade show installation, floor management and dismantling/shipping. Pre-event logistics and on-site management of critical success factors. Occasional.

HFT 4377 RCHM-TEA 3(3,0) Entertainment Production Management: PR: HFT 3376. Course examines the knowledge and skills necessary to design, execute, and operate an entertainment business model, including visual storytelling, entertainment content, production plan, and budget. Fall, Spring.

HFT 4378 RCHM-TEA 3(3,0) Entertainment Portfolio Management: PR: All core Entertainment Management courses. This course challenges the student to demonstrate expert knowledge across the curriculum while building a real-life actionable entertainment business plan. Fall, Spring.

HFT 4394 RCHM-TEA 3(3,0) Event Operations: PR: All courses in the Event Management core, or C.I. Planning and implementing a live event. Fall, Spring. M&S fee $64.00

HFT 4398 RCHM-TEA 3(3,0) Entertainment Entrepreneurship: PR: HFT 3376, HFT 3375 and ECO 2013 or ECO 2023. How an entrepreneur develops a new entertainment business with a focus on finance, strategic analysis, and risk. Fall, Spring.

HFT 4413 RCHM-HSP SERV 3(3,0) Technology Applications for Hospitality Management: PR: HFT 3444 Hospitality Information Systems. Students with fundamental information system concepts and techniques for effective applications to strategic thinking in hospitality organizations. Odd Spring.

HFT 4432 RCHM-HSP SERV 3(3,0) Hospitality Industry Auditing: PR: HFT 3431 Hospitality Industry Management Access: Provides basic fundamentals of eliminating fraud and saving money through proper internal controls in the hospitality industry. Occasional.

HFT 4457 RCHM-HSP SERV 3(3,0) Food, Beverage, and Labor Cost Controls: PR: HFT 3523 or PR: Students with basic fundamentals of food, beverage, and labor cost control systems in the hospitality industry. Fall, Spring.

HFT 4464 RCHM-HSP SERV 3(3,0) Hospitality Industry Finance: PR: HFT 2401. Working knowledge of finance concepts and theories applicable to the Hospitality Industry including evaluating management contracts, franchising, and leasing. Fall, Spring.

HFT 4468 RCHM-HSP SERV 3(3,0) Revenue Management in the Hospitality Industry: PR: HFT 2401, HFT 2254, HFT 2400, and HFT 3523. Revenue management practices, across multiple industry sectors, in hospitality and tourism organizations which include capacity management, demand and revenue forecasting, discounting, overstocking, displacement, rate management. Fall, Spring.

HFT 4469 RCHM-TEA 3(3,0) Financial Performance in Entertainment: PR: HFT 3463. Working knowledge of finance concepts and theories applicable to the entertainment industry including financial transactions, capital budgeting, and financial simulations. Fall, Spring.

HFT 4473 RCHM-FOOD&LODG 3(3,0) Hospitality and Tourism Development: PR: HFT 2254 or HFT 3263, HFT 2500, HFT 2401, and Junior standing. Review of conceptual development, design/real estate planning, and construction of hotel, resort/entertainment, restaurant, theme park, and convention/conference center projects for both domestic and global destinations. Spring.

HFT 4522 RCHM-FOOD&LODG 3(3,0) Resort Sales Tactics and Strategies: PR: HFT 1000, HFT 2254, or C.I. Sales tactics and business-to-business strategies employed in the sales and marketing of resort hotels, timeshares, and shared ownership properties. Fall.


HFT 4614 RCHM-TEA 3(3,0) Risk Management in Theme Parks and Attractions: PR: HFT 4755 and HFT 3603, or C.I. Examines principles and issues related to the nature and mitigation of risks at theme parks and attractions. Covers all theme park operating departments. Occasional.

HFT 4623 RCHM-TEA 3(3,0) Entertainment Law and Ethics: PR: HFT 3375, HFT 3375, and HFT 3705. The course focuses on the main legal and ethical issues affecting the entertainment industry. Fall, Spring.

HFT 4626 RCHM-TEA 3(3,0) Public Policy Issues in the Entertainment Industry: PR: HFT 3375 and HFT 4623. The course examines the degree to which entertainment businesses are intertwined with government regulations and interventions. (3 credits) Fall, Spring.

HFT 4732 RCHM-TEA 3(3,0) Tourism Impact Analysis: PR: HFT 3700. Quantitative impact analysis of tourism as an industry in the regional/national economy along the tourism satellite accounts concept. Fall, Spring.

HFT 4735 RCHM-TEA 3(3,0) Tourism Geography: PR: HFT 3700 and junior standing or C.I. A seminar discussing the main geographical tourism destinations in U.S. and the World. Fall, Spring.


HFT 4751 RCHM-TEA 3(3,0) Managing the Employee Experience in the Theme Park and Attractions Industry: PR: HFT 4755 and junior standing or C.I. Managing staffing needs, supervision, communication, legal compliance, and retention in the theme parks and attraction industry. Fall.

HFT 4752 RCHM-TEA 3(3,0) Managing the Guest Experience in the Theme Park and Attractions Industry: PR: HFT 4755. The management of guest needs and expectations in theme parks and attractions Spring.

HFT 4754 RCHM-TEA 3(3,0) Exhibit and Trade Show Operations: PR: HFT 2750 or C.I. Provides an in-depth study of exhibit and trade show operations. Focuses on both supply and demand pertaining to exhibits and trade shows. Fall, Spring.

HFT 4755 RCHM-TEA 3(3,0) Theme Park and Attraction Management: PR: HFT 1000 and junior standing or C.I. An in-depth study of the theme park and attraction industry, focusing on resources, ride operations, merchandising, food services, and architectural design. Fall, Spring.

HFT 4757 RCHM-TEA 3(3,0) Event Management: PR: All courses in the Event Management core, or C.I. The development, design, and evaluation of events that meet the needs and expectations. Incorporates a case study approach. Requires event volunteer hours approved by instructor. Fall, Spring.

HFT 4758 RCHM-TEA 3(3,0) Operational Issues in the Theme Park and Attraction Industry: PR: HFT 4755. Organizational structure and operational culture of theme parks and attractions Fall.

HFT 4759 RCHM-TEA 3(3,0) Product Development in Theme Parks and Attractions: PR: HFT 4755 and junior standing or C.I. The strategic management process associated with product development in the theme parks and attraction industry. Occasional.


HFT 4795 RCHM-TEA 3(3,0) Entertainment Arts and Events: PR: HFT 2750 and HFT 4755 or C.I. A historical perspective of theme park, event, and attraction entertainment. Covers show development, event production, creative processes, casting, costuming, staffing, and evaluation. Fall, Spring.

HFT 4796 RCHM-TEA 3(3,0) International Events: PR:HFT2750. Considerations when planning events that are held outside of the United States or that attract a large number of participants from outside the United States. Fall, Spring.

HFT 4802 RCHM-TEA 3(3,0) Catering Sales Management: PR: HFT 2750, HFT 3523, HFT 3670, and FSS 2284C, or C.I. The catering manager's role in the catering sales process. Emphasis on market segments, customer relationships, menu planning, financial impact, internal communication/documentation and event oversight. Fall, Spring. M&S fee $45.00

HFT 4861 RCHM-FOOD&LODG 3(3,0) Beverage Management: PR: HFT 1000 and junior standing. The origin production, storing, marketing, and control of beverages in the hospitality industry. Fall, Spring.

HFT 4894 RCHM-FOOD&LODG 3(3,0) Sensor in Quality Brewing and Fine Beer: PR: HFT 1000, minimum age of 21 by first day of class. The production and service of malt beverages. Fall, Spring. M&S fee $45.00
HFT 4865  RCHM-FOOD&LODG  3(3,0)
Advanced Wine Management: PR: Minimum age of 21, HFT 3868 or HFT 4865C, or C.I. Advanced study of viticulture, enology and winemaking regions of the world. Occasionally. M&S fee $70.00

HFT 4866C  RCHM-FOOD&LODG  3(3,1)
Exploring Wines of the World: PR: HFT 1000, minimum age of 21 by first day of class, or C.I. Using senses to evaluate wines, methodology of tasting and evaluation; grape varieties, production, processing, and production of wine varieties used in making wine. Fall,Spring. M&S fee $70.00

HFT 4894  RCHM-FOOD&LODG  3(3,0)
International Gastronomy: PR: FSS 2211C, HFT 1000, and C.I. A world view of culture and cuisine. PR: Acceptance into the upper-division limited enrollment. Includes an international travel component. May be used in the degree program a maximum of 2 times. Occasional.

HFT 4949  RCHM-RCHM  0-5(0,1-5)
Cooperative Education: Provides paid, pre-professional work experience related to the students’ major while they continue to attend school. Requires achievement of major-related learning objectives. Graded S/U. Fall,Spring.

HIM 3006  HPA-HMI  3(3,0)
Foundations of Health Information Management (HIM): PR: ENC 1102. Foundation of professions, ethics, laws of information; record analysis; numbering and filing systems; standards for long-term care; ambulatory care; and mental health records. Fall, Spring.

HIM 3114C  HPA-HMI  4(3,2)
Health Record Organization and Management: PR: HIM 3006 and acceptance into the upper-division, limited access HIM program; or C.I. Nomenclatures/classification systems; health and vital statistics; data analysis and presentation; indexing; computer abstracting; accrediting and approving agencies; medical staff organization. Spring.

HIM 3806C  HPA-HMI  3(1,4)
Professional Practice Experience I: PR: Admission to HIM program. CR: HIM 3006, HSC 3537 and HIM 3114C. Virtual hospital tour; master patient index; numbering and filing systems; assembly and analysis; incomplete record control; record storage; retention and retrieval; and release of information. Fall, Spring.

HIM 4226C  HPA-HMI  5(3,4)
Coding Procedures I: PR: HSC 3537 or C.I. Principles and mechanics of coding systems for inpatient health information retrieval; ICD-9-CM; DRGs; encoders. Fall, Spring.

HIM 4256C  HPA-HMI  3(2,2)
Coding Procedures II: PR: HSC 3537 or C.I. Principles and mechanics of coding systems for outpatient health information retrieval; CPT,HCPCS, APCS; encoders. Fall.

HIM 4344C  HPA-HMI  4(3,2)
Health Information Department Management: PR: HIM 3114C, HSA 4180 or MAN 3025; or C.I. Personnel administration; budgeting; forms analysis; work distribution and simplification; equipment selection; ergonomics and space planning. Fall.

HIM 4508C  HPA-HMI  3(2,2)
Quality Management: PR: HSC 3537 or C.I. Principles and mechanics of quality improvement; utilization review; case management and risk management. Fall, Spring.

HIM 4624  HPA-HMI  3(3,0)
Health Data Management: PR: Acceptance into HIM program or C.I. Health care statistics, data analytics and data usage specific to health Informatics and information management will be explored in depth. Spring.

HIM 4656C  HPA-HMI  3(2,2)
Health Information Management Systems: PR: or CR: HIM 3006. Vitalization of computerized information systems management and patient care in the health care industry, systems analysis, system design and project management concepts. Fall, Spring.

HIM 4676  HPA-HMI  3(3,0)
Professional Development and Issues in Health Information Management: PR: HIM 4344C, HIM 4508C. Analysis of management functions in health care setting; the HIM professional as an educator; problem-solving techniques; professional ethics; alternative careers. Spring.

HIM 4816C  HPA-HP  3(1,4)
Professional Practice Experience II: PR: HIM 3800C and CR: HIM 4226C, HIM 4256C, HIM 4344C, and HIM 4508C. Classification; coding; quality improvement; risk management; human resources; statistics; accrediting and licensing; revenue management cycle; medical staff organization. Fall, Spring.

HIM 4838  HPA-HMI  5(0,15)
Management Affiliation: PR: or CR: HIM 4676 and HIM 4816C. Assignment to a selected health care facility serving in an administrative capacity under the direction of a Registered Health Information Administrator; lab exercises; comprehensive exam. Fall.

HIM 4998  HPA-HMI  0(0,0)
Internship Orientation: PR: HIM 3116 and senior standing. An orientation course designed to ensure students fully prepare for, identify and secure an ideal HIM internship. Fall, Spring.

HIS 3462  CAH-HIST  3(0,0)

HIS 3949  CAH-HIST  0(0,8)
Cooperative Education in History: PR: Departmental permission required before registering. Cooperative education experience in history. Graded S/U. May be repeated for credit. Occasional.

HIS 4065  CAH-HIST  3(3,0)
Public History: Principles & Techniques: PR: AMH 2020 or C.I. Practice of public history including historic preservation, museum studies, archival management, oral history, historical editing, and conservation science. Occasional.

HIS 4070  CAH-HIST  3(3,0)

HIS 4150  CAH-HIST  3(3,0)
History and Historians: PR: C.I. A study of European and/or American historiography. May be used in the degree program a maximum of 2 times. Fall,Spring.

HIS 4323  CAH-HIST  3(3,0)

HIS 4490  CAH-HIST  3(3,0)

HIS 4935  CAH-HIST  3(3,0)
Senior Seminar: PR: Senior standing, history major, and C.I. Research in history through sustained reading, writing, and discussion on a focused topic. May be repeated for credit. Fall, Spring.

HIS 4944  CAH-HIST  3(3,0)
Internship in Public History: PR: C.I. The Public History Internship is a one-semester course in which undergraduate history majors explore and gain experience in public history professions. Fall, Spring.

HIS 4959  CAH-HIST  0(0,0)
History Portfolio: PR: "C” or better in HIS 4150 and Senior standing. In the term they are graduating, History B.A. and B.S. students revise their portfolio and submit for approval. Fall,Spring.

HIS 4970  CAH-HIST  3(3,0)
Senior Thesis: Original research paper available to advanced history majors, topics to be selected in consultation with a directing professor. Occasional.

HIS 4970H  CAH-HIST  VAR
Honors Undergraduate Thesis: Graded S/U or Letter grade. Occasional.

HIS 5067  CAH-HIST  3(3,0)
Introduction to Public History: PR: Graduate status or senior standing or C.I. Examine and discuss the practice of history in museums, archives, documentary editing, historical publication, media, historical societies, and government agencies. Occasional.

HIS 5088  CAH-HIST  3(3,0)
Readings in Curation & Public History: PR: Graduate standing or C.I. Readings in the theories, principles, methods, and design for publicly engaged history content and visualization. Even Fall.

HIS 5095  CAH-HIST  3(3,0)
Readings in Historic Preservation: PR: HIS 5067 or C.I. Course will expose students to major theoretical conversations in Historic Preservation including law, sustainability, and cultural resource management. Occasional.

HIS 5925  CAH-HIST  3(3,0)
History in the Digital Age: PR: Graduate standing or C.I. Readings in the history, theory, and methodologies of digital historical practices from precedents in New Social History to the present, including use in Public History. Even Fall.

HLP 2701  ED-CFCS  3(3,0)
Peer Education Training: PR: Sophomore standing and C.I. Strategies for teaching life skills and health education information for secondary students and college age peers Fall,Spring.

HSA 3012  HPA-HP  3(3,0)
Issues & Trends in Public Health: PR: Sophomore standing and (CGS 1060C or CGS 2100C). The American public health system, looking at the historical, present day, and future organization and management of all its components. Occasional.

HSA 3104  HPA-HMI  3(3,0)
Health Services Administration Cornerstone: PR: (CGS 1060C or CGS 2100C) and Junior Standing, or C.I. Heighten the overall student awareness about the Health Services Administration Field, provide a foundation or framework to guide students through the major. Fall,Spring.

HSA 3111  HPA-HP  3(3,0)
U.S. Health Care Systems: PR: (CGS 1060C or CGS 2100C) and Sophomore Standing. A survey of the economics, social, and political aspects of the health care system in the United States. Fall,Spring.

HSA 3170  HPA-HP  3(3,0)

HSA 3222  HPA-HP  3(3,0)
HSA 3423 HPA-HMI 3(3,0) Health Law: PR: HSA or HILM major, and HIM 3006, or C.I. Principles of law as applied to the health field, with special reference to health practices and information management. Fall.

HSA 3430 HPA-HP 3(3,0) Health Care Economics: PR: HSA 3111; ECO 2023, or C.I. To provide an application of economic principles to analyze how different economic incentives affect patients, providers, and policy makers behaviors in the delivery of health services. Fall, Spring.

HSA 4109 HPA-HP 3(3,0) Principles of Healthcare Reimbursement, Insurance, and Managed Care Plans: PR: HSA 3111 or C.I. Course will introduce the contractual, financial, and practice pattern components of managed care. Even Fall, Spring.

HSA 4180 HPA-HP 3(3,0) Organization & Management for Health Agencies I: PR: HSA 3111 or admitted to HILM program. Management of health care organizations, strategic planning, healthcare economics, and healthcare financial management. Fall, Spring.

HSA 4184 HPA-HP 3(3,0) Organization & Management for Health Agencies II: PR: HSA 4180, HSA 4190. Management of health care organizations including hospitals, long term care facilities, and medical group practices. Fall.

HSA 4191 HPA-HP 3(3,0) Fundamentals of Health Information Technology: PR: HSA 3111, COS 2100C, or COS 1060C, or C.I. The origin, evolution and application of health information technology in today’s healthcare industry. Fall, Spring.


HSA 4502 HPA-HP 3(3,0) Risk Management Systems: PR: HSA 3111 or C.I. Safety, liability and loss control issues with emphasis on risk retention, risk reduction and risk transfer in health care. Fall, Spring.

HSA 4702 HPA-HP 3(3,0) Health Sciences Research Methods: PR: (STA 2014C or STA 2023) and Junior Standing, or C.I. Introduction to research design in the Health Sciences, including design, literature review, testing, analysis, and conclusions. Fall, Spring.

HSA 4850 HPA-HMI VAR Health Services Administration Internship: PR: HSA 4853, 2.75 Major GPA, 90 overall credit hours, 24 HSA credit hours, approval of the Internship Director. 150 hour minimum administrative experience in an approved health care organization. Fall, Spring.

HSA 4853 HPA-HMI 0(0,0) Internship Orientation: PR: 2.75 Major GPA, 90 overall credit hours, 24 HSA credit hours. This prerequisite for HSA 4850 provides critical information for the internship search. The course must be completed no more than one semester prior to the internship. Fall, Spring.

HSA 4939 HPA-HMI 3(3,0) Health Services Administration Capstone: PR: HSA major and senior standing, HSA 3170, HSA 3430. Capstone course applies healthcare administration theory to a healthcare organization. Students will integrate previous coursework to evaluate an existing healthcare organization. Fall, Spring.

HSA 5177 HPA-HMI 3(3,0) Foundations of Health Care Finance: PR: Admission to graduate program in HSA or C.I. Preparatory course for graduate students who are not prepared to take the required health care finance course. Occasional.

HSA 5198 HPA-HMI 3(3,0) Health Care Decision Sciences and Knowledge Management: PR: Graduate standing. Emphasis on development of a general systematic approach to solving problems under uncertainty. The role of informatics and application of information technology in improving managerial decision making process will be presented. Spring.

HSA 5436 HPA-HMI 3(3,0) Foundations of Health Care Economics: PR: Admission to HSA graduate program or C.I. Preparatory course for graduate students who are not prepared to take the required health care economics course. Fall.

HSA 5504 HPA-HMI 3(3,0) Health Care Risk Management II: PR: HSA 5509. The Health Care Risk Management course is comprised of a total of 12 modules addressing key areas of the field. Health Care Risk Management I covers Modules 1-6 and Health Care Risk Management II covers Modules 7-12. Students must complete both courses in sequential order in order to apply for Risk Management licensure. Fall, Spring.

HSA 5509 HPA-HMI 3(3,0) Health Care Risk Management I: PR: Admission to M.S. in Health Services Administration or C.I. Examines background, history and philosophy of health care risk management. The Health Care Risk Management course is comprised of a total of 12 modules addressing key areas of the field. Health Care Risk Management I covers Modules 1-6; and Health Care Risk Management II covers Modules 7-12. Students must complete both courses in sequential order in order to apply for Risk Management licensure. Fall, Spring.

HSC 1931C HPA-HPA 2(1,1) Foundations of Leadership: PR: LEAD Scholars Program, Seminar for LEAD Scholars in the College of Health & Public Affairs providing a foundation of leadership, scholarship, and service regarding disciplines in the college. Occasional.

HSC 2000 HPA-HP 2(2,0) Introduction to the Allied Health Professions: PR: Freshman and Sophomores only. A survey of allied health professions including regard to duties, responsibilities, education and training, ethics, and relationships with other health professionals. Graded S/U. Fall.

HSC 2524 HPA-HP 3(3,0) Introduction to Human Disease: PR: BSC 2010C, Restricted to COHPA majors or C.I. Basic concepts and mechanisms related to the understanding of human disease. Fall, Spring.

HSC 2921 HPA-HPA 2(2,0) LEAD Colloquium: PR: Accepted to the LEAD Scholars Program and have completed at least two of the following with a B (3.0) or better: HSC 1931C, EGS 1036C, IDS 1040C, GEB 1091C or EDG 1005C. Experiential leadership in an appropriate setting with the LEAD Scholars Program. Program may be repeated for credit. Occasional.

HSC 3110 HPA-HP 3(3,0) Medical Self Assessment: PR: Sophomore Standing. Development of clinical skills and understanding of one’s health to encourage active participation of individuals in their own health care. Fall, Spring.


HSC 3211 HPA-HP 3(3,0) Preventive Health Care: PR: PCB 3703C. Preventive healthcare in the U.S., including current recommendations and guidelines to prevent disease and application of preventive interventions to specific chronic diseases. Fall, Spring.

HSC 3432 HPA-HP 3(3,0) Occupational Safety for the Health Care Professional: PR: ZOO 3733C and PCB 3703C. Issues surrounding the health care environment and the risks associated with working there. Fall, Spring.

HSC 3537 HPA-HP 3(3,0) Medical Terminology: A study of the language of medicine and allied health specialties, including work construction, definitions, and application of terms. Fall, Spring.

HSC 3559 HPA-COM SC&DIS 3(3,0) Disabilities in American Society: PR: Junior or senior status. Personal, social, and environmental impediments confronted by persons with disabilities, including communicative disorders. Strategies that promote life satisfaction are also reviewed. Fall.

HSC 3593 HPA-HP 3(3,0) HIV Disease: A Human Concern: Analysis of the spectrum of HIV disease and the issues surrounding this public health crisis. Fall, Spring.

HSC 4008 HPA-HP 3(3,0) Professional Development in Health Professions: PR: ENC 1102 and Junior Standing. Career development planning, professional leadership approaches to problem solving, regulatory and professional requirements. Fall, Spring.

HSC 4158 HPA-HP 3(3,0) Medical Pharmacology I: PR: BSC 2010C and CHM 2045C. General pharmacological principles such as regulations, prescriptions, routes of administration, drug metabolism, side effects, Fall.


HSC 4201 HPA-HP 3(3,0) Community Health: PR: ENC 1102 and Junior or senior status. Development of a conceptual framework for health and chronic diseases of public health importance. Fall, Spring.

HSC 4500 HPA-HP 3(3,0) Epidemiology: PR: HSA 3111 and (STA 2014C or STA 2023), or C.I. A study of the distribution and determination of diseases and injuries in human population. Fall, Spring.

HSC 4501 HPA-HP 3(3,0) Epidemiology of Chronic Diseases: PR: ZOO 3733C, PCB 3703C, and (STA 2014C or STA 2023). Epidemiology of chronic diseases including risk factors, etiology, mortality and morbidity as they relate to clinical practice, research, and intervention. Occasional.

HSC 4553 HPA-HP 3(3,0) Concepts in Pathophysiological Diagnosis: PR: HSC 4555 or HSC 4556, and Senior Standing. Basic principles of diagnosis with a focus on methodology and relevance to pathophysiology. Occasional.

HSC 4555 HPA-HP 3(3,0) Pathophysiology I: PR: ZOO 3733C and PCB 3703C, or C.I. Abnormalities in physiologic functioning of the human body, with a focus on the endocrine, pathogenesis and clinical manifestations of the immune, cardiovascular, respiratory, and renal systems. Fall, Spring.

HSC 4558 HPA-HP 3(3,0) Pathophysiology II: PR: PCB 3703C and ZOO 3733C. Abnormalities in physiologic functioning of the human body, with a focus on the endocrine, pathogenesis and clinical manifestations of the digestive, hepatobiliary, nervous, and endocrine systems. Fall, Spring.

HSC 4564 HPA-HP 3(3,0) Health Care Needs of the Elderly: PR: HSA 3111 or C.I. Overview of the physical and emotional needs of the elderly, including the institutional health care available. Fall, Spring.

HSC 4572 HPA-HP 3(3,0) Clinical Nutrition: PR: HUN 2201. Basic principles of both normal and medical nutrition therapy associated with health and chronic diseases of public health importance. Fall, Spring.

IDS 1921H BHC-HON 2(2,0) Honors Symposium II: PR: IDH 1920H. Readings, lectures, and discussions covering aspects of scholarship, artistic, and other creative efforts. Graded S/U. Spring.

IDS 310H BHC-HON 3(3,0) Honors Cultural Traditions of India: PR: Permission of Honors. Integrative background of Indian culture, philosophy and art. Instruction on music, yoga, dance and Indian fine arts. Fall, Spring.

IDS 3600H CAH-PHL 3(3,0) Honors Case Studies in Ethics: PR: Permission of Honors or C.I. A case-study approach to contemporary ethical issues. Students will apply critical thinking skills and ethical theories to interdisciplinatory problems and will participate in team debates. With Honors content. Fall.

IDP 4030H BHC-HON 1(3,0) Honors Windows To The World: PR: Permission of Honors and IDH 152H for enrolled in Accelerated Pre-med Program; or C.I. Students will cultivate an active sense of the liberal arts and sciences as they prepare for prestigious scholarships and graduate school. Graded S/U. May be repeated for credit. Occasional.

IDS 3150 UGST-INTERDISC 3(3,0) Foundations of Environmental Studies: PR: Junior standing, complete equivalent of UCF Science and Math GEP. An overview of the approaches taken by different disciplines to address regional, national, and global environmental issues. Spring.

IDS 3333 UGST-INTERDISC 3(3,0) World Comparative Studies: PR: ENC 1102 or C.I. Comparative study of cultures, economies, languages, and social systems using approaches and data from multiple disciplines. Occasional.

IDS 3933 UGST-INTERDISC 3(3,0) Cornerstone Experience: PR: ENC 1102. Junior standing, Interdisciplinary Studies major, or C.I. Interdisciplinary study essentials, including basic concepts and methodological tools, to synthesize material from disparate fields and apply them to academic plans and career goals. Fall, Spring.

IDS 4204C ECS-ECS 3(2,2) Advanced Topics on Energy and Sustainability: PR: Acceptance into the Energy and Sustainability Minor, Senior standing and Completion of GEP or C.I. Contemporary topics in energy and sustainability. Seminars and lectures from industry, academia, government, and UCF speakers. Students are required to work on individual or team assignments, research projects, and present their work in the format of mini seminars. Occasional.

IDS 4934 UGST-INTERDISC 3(3,0) Capstone Experience: PR: IDS 3933, Junior standing, and Interdisciplinary Studies major, or C.I. Student exposition of coursework demonstrating the understanding of interdisciplinary approaches and success synthesis of interdisciplinary studies, applied to the course of study and academic/career goals. Fall, Spring.

IDS 5127 COM-BSBS 3(3,0) Foundation of Bio-Imaging Science: PR: Graduate standing, Fundamental theory, design, and practice of modern bio-imaging techniques used for basic biomedical research applications. Occasional.

INP 3004 COS-PSYCH 3(3,0) Industrial/Organizational Psychology: PR: PSY 2012. Psychological theories and principles applicable to problems in industrial organizations. Fall, Spring.

INP 3004H COS-PSYCH 3(3,0) Honors Industrial/Organizational Psychology: PR: PSY 2012 and consent of Honors. Psychological theories and principles applicable to problems in industrial organizations. With Honors content. Occasional.

INP 3141C COS-PSYCH 1-3(3,0-9) Advanced Applied Psychology: PR: PSY 2012 and C.I. An opportunity for advanced undergraduate psychology majors to become involved in the application of I/O psychology to local organizations. Occasional.

INP 3951 COS-PSYCH 3(3,0) Industrial/Organizational Field Work: PR: C.I. An opportunity for advanced undergraduate psychology majors to become involved in the application of I/O psychology to local organizations. Occasional.

INP 4313 COS-PSYCH 3(3,0) Organizational Psychology: PR: PSY 2012, Analysis of the psychological principles underlying individual and group behavior in an organizational setting. Topics include group dynamics, leadership and participation, intergroup behavior, and organization development. Fall.

INP 4380 COS-PSYCH 3(3,0) Psychology of Teamwork: PR: PSY 2012 or C.I. Dynamics of small groups and teams from social and applied psychology perspectives. Occasional.

INP 5825 COS-PSYCH 3(3,0) Human-computer Interface (HCI) design: A team approach: PR: Graduate status or senior standing or C.I. Interdisciplinary approach to human-computer interaction, including behavior, engineering, computer science, and instructional aspects. Tools and techniques for team development and the evaluation of software for usability. Occasional.

INR 2002 COS-POLS 3(3,0) International Relations-Theory and Practice: PR: ENC 1102 or C.I. Analysis of the fundamental principles and factors affecting interstate relations and their application to contemporary global developments. Fall, Spring.

INR 3016 COS-POLS 3(3,0) Global Political Issues: PR: POS 2041 or C.I. Current global political topics from political development and income gap to gender issues and environmental challenges. Occasional.


INR 3253 COS-POLS 3(3,0) International Politics of Africa: PR: ENC 1102 or POS 2041 or C.I. The broad structures and processes of international politics and foreign policy in Africa, with particular attention on U.S.-African relations. Occasional.

INR 4008 COS-POLS 3(3,0) Global Perspectives: PR: ENC 1102 or C.I. The historical and contemporary contexts of globalization. Fall, Spring.

INR 4011 COS-POLS 3(3,0) Politics of Globalization: PR: ENC 1102 or POS 2041 or C.I. Major political causes and consequences of globalization. Occasional.

INR 4030 COS-POLS 3(3,0) Diplomacy: PR: ENC 1102 or POS 2041 or C.I. Concepts, theories, and methods of contemporary diplomacy; diplomatic processes in the international arena. Spring.


INR 4035 COS-POLS 3(3,0) International Political Economy: PR: ENC 1102 or POS 2041 or C.I. The international politics of regional and global economic interdependence, with emphasis upon North-South relations, the New International Economic Order, OPEC, and multinational corporations. Odd Spring.

INR 4054 COS-POLS 3(3,0) Global Politics of Energy: PR: ENC 1102 or POS 2041 or C.I. International/national dimensions of global energy politics within developed and underdeveloped countries. Occasional.
INR 4225  COS-POLS  3(3,0)
The Vietnam War: PR: POS 2041 or INR 2002, or C.I. Background of events leading to America's involvement in Indochina, the course of the Vietnam War, and the lessons which that war imparts. Occasional.

INR 4243  COS-POLS  3(3,0)
International Politics of Latin America: PR: ENC 1102 or POS 2041, or C.I. Study of contemporary U.S.-Latin American relations, inter-American politics and organization, and the role of Latin America in the world. Occasional.

INR 4274  COS-POLS  3(3,0)
International Politics of the Middle East: PR: Either INR 2002, CPO 3103 or POS 2041. Examines foreign relations among Middle Eastern states and related actors, including, but not limited to, the great powers of the world. Occasional.

INR 4304  COS-POLS  3(3,0)
Issues in International Public Policy: PR: ENC 1102 or POS 2041 or C.I. Endogenous and exogenous variables, including policy analysis and decision-making, which influence select international public policy issues. Occasional.

INR 4333  COS-POLS  3(3,0)

INR 4335  COS-POLS  3(3,0)
Coercion in International Politics: PR: ENC 1102 or POS 2041. Examination of the role of coercive techniques among states in a nuclear age, ranging from nuclear strategy and deterrence to wars of national liberation and coups. Even Fall.

INR 4350  COS-POLS  3(3,0)
Global Environmental Politics: PR: ENC 1102 or POS 2041 or C.I. The unique environmental struggles and political issues that occur on the international and global levels. Fall.

INR 4351  COS-POLS  3(3,0)
International Environmental Law: PR: ENC 1102 or POS 2041 or C.I. Examination of global efforts to establish a treaty regime for environmental protection of earth's biosphere when challenged by national sovereignty and economic and cultural diversity. Occasional.

INR 4363  COS-POLS  3(3,0)
Intelligence Analysis and Reporting: PR: POS 2041 or INR 2002 or ENC 1102. Foreign intelligence analysis and its interaction with organizations, politics, and psychology to shape political decisions. Occasional.

INR 4364  COS-POLS  3(3,0)
The Intelligence Community: PR: ENC 1102 or POS 2041 or C.I. The intelligence community structure in its relations with foreign policy decision making, consideration of control and reliability questions, and issues of cooperation and coordination. Spring.

INR 4401  COS-POLS  3(3,0)
International Law: PR: ENC 1102 or POS 2041 or C.I. The nature, evolution, and sources of international law and examination of various sub-areas as recognition, maritime law, nationality, and war. Fall.

INR 4404  COS-POLS  3(3,0)
Space Law: PR: Junior standing, or C.I. Examination of the legal regime of outer space from both international and national perspectives, and the legal problems arising from human activity in space. Occasional.

INR 4502  COS-POLS  3(3,0)
International Organizations: PR: ENC 1102 or POS 2041 or C.I. The study of the structure and workings of international organizations of cooperation, including the UN, its affiliates, and various regional organizations. Even Fall, Odd Spring.

INR 4603  COS-POLS  3(3,0)
International Relations Theory: PR: ENC 1102 or POS 2041 or C.I. Theoretical trends prevalent in the study of international relations, including realism, liberalism, Marxism, feminism, and post-modernism. Fall, Spring.

INR 4714  COS-POLS  3(3,0)
Politics of International Trade Policy: PR: ENC 1102 or POS 2041 or C.I. Key actors and processes of international trade policy-making at the sub-national, national, regional, and global levels of analysis. Occasional.

INR 4744  COS-POLS  3(3,0)
Militaries in World Politics: PR: POS 2041, or INR 2002, or C.I. Civil-military relations and its relevance to international relations and comparative politics. Occasional.

INR 4764  COS-POLS  3(3,0)
Cyberwarfare Policy: PR: POS 2041 or ENC 1102 or INR 2002 or C.I. How nations, groups and individuals throughout the world use internet/cyber-attacks for military, political, and economic gains over their adversaries. Occasional.

INR 4765  COS-POLS  3(3,0)
Emerging Space Powers: PR: POS 2041, or C.I. Examination of states' efforts to develop space technologies for purposes of economic, social and military development. Occasional.

INR 4774  COS-POLS  3(3,0)
Military Space Policy: PR: ENC 1102 or POS 2041 or C.I. Policies and policymaking involved in militaries globally; consideration of effects on globalization and international policies economic and military. Occasional.

INR 4933H  COS-POLS  3(3,0)
Honors Human Trafficking: PR: INR 2002, or C.I. An interdisciplinary Honors seminar designed to help students gain a better understanding of contemporary human trafficking, also known as slavery and forced servitude. Occasional.

ISC 2054  COS-MATH  1(2,0)
STEM Seminar I: PR: Admission to an ISTEM sponsored program. Study skills, faculty networking, exposure to STEM professionals. Graded S/U. Fall.

ISC 2055  COS-MATH  1(2,0)
STEM Seminar II: PR: Admission to ISTEM sponsored program. Study skills, faculty networking, exposure to STEM professionals, STEM shadowing experience. Graded S/U. Spring.

ISC 2215  COS-MATH  1(3,0)
Interdisciplinary Applications of Calculus I: CR: MAC 2311. Interdisciplinary applications of differential and integral calculus topics in MAC 2311 to the solution of concrete problems in science, mathematics, and engineering disciplines. Fall.

ISC 2216  COS-MATH  1(3,0)
Interdisciplinary Applications of Calculus II: CR: MAC 2312. Interdisciplinary applications of differential and integral calculus topics in MAC 2312 to the solution of concrete problems in science, mathematics, and engineering disciplines. Spring.

ITA 1120C  CAH-LANG  4(3,1)
Elementary Italian Language and Civilization I: Introduces the student to Italian culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. Fall, Spring.

ITA 1121C  CAH-LANG  4(3,1)
Elementary Italian Language and Civilization II: PR: ITA 1120C or equivalent. Continuation of ITA 1120C. Fall, Spring.

ITA 1200  CAH-LANG  3(3,0)
Intermediate Italian Language and Civilization I: PR: ITA 1120C or equivalent. Designed to continue development of language skills at intermediate level, plus a review of grammar, study of syntax, idiomatic expression, extensive readings, and further study of Italian culture. Fall.

ITA 2201  CAH-LANG  3(3,0)
Intermediate Italian Language and Civilization II: PR: ITA 2200 or equivalent. Designed to continue development of language skills at intermediate level, plus a review of grammar and study of syntax with emphasis on Italian civilization. Occasional.

ITA 3420  CAH-LANG  3(3,0)
Italian Composition: PR: ITA 2201 or equivalent. Development of skills in composition, with an introduction to Italian culture. Spring.

ITA 3440  CAH-LANG  3(3,0)

ITA 3472  CAH-LANG  3(3,0)

ITA 3564  CAH-LANG  3(3,0)
Modern Italian Culture: PR: ITA 2200 or C.I. Modern Italian culture (1950s through today) through literature, film, and mass media. Spring.

ITA 3760  CAH-LANG  3(3,0)
Advanced Italian Oral Communication: PR: ITA 2201 or equivalent. Vocabulary building with systematic training in diction and location. Speeches and oral presentations as well as production and delivery of real-life dialogues. Fall.

ITA 4280  CAH-LANG  3(3,0)
Italian Syntax Abroad: A study of Italian Syntax for advanced students of Italian. Occasional.

ITT 3301  CAH-LANG  3(3,0)
Italian & Italian American Women's Literature: PR: ENC 1102 or C.I. Novels and short stories by some major Italian and Italian-American women writers. Occasional.

ITT 3443  CAH-LANG  3(3,0)

ITT 3480  CAH-LANG  3(3,0)
Italian Literature in Translation: PR: ITA 2201 or C.I. Main literary tendencies and authors of Italian literature. Occasional.

ITT 4300  CAH-LANG  3(3,0)
From Italy to America: PR: ITW 3101 or C.I. The course connects Italy and the US, their history and culture. Occasional.

ITT 4956  CAH-LANG  3(3,0)
Study Abroad: Modern and Contemporary Italian Culture: PR: Junior standing and C.I. Modern and contemporary Italian culture in the natural environment. Occasional.

ITT 4957H  CAH-LANG  3(3,0)
Honors Italian Literature in Translation: PR: ENC 1102 and consent of Honors. Main literary tendencies and authors of Italian Literature, with honors content. Occasional.

ITW 3100  CAH-LANG  3(3,0)
Survey of Italian Literature I: PR: ITA 2201. Main currents and writers in Italian literature from the 12th through the 15th centuries. Occasional.

ITW 3101  CAH-LANG  3(3,0)
Survey of Italian Literature II: PR: ITA 2201. Main currents and writers in Italian literature from the 15th century to the present. Occasional.

ITW 3373  CAH-LANG  3(3,0)
Survey of Modern Italian Short Story: PR: ITA 2201 or C.I. Selection of short stories written by the most significant Italian writers of the 20th century. Even Fall.

JOU 2100C  COS-COMM  3(3,1)
News Reporting: PR: Com pending, or Journalism Major, or Magazine Journalism Minor and meet grammar proficiency requirement. News gathering and writing for the mass media. Fall, Spring.

JOU 3004  COS-COMM  3(3,0)
History of American Journalism: Development of mass media, leading innovators, and the media's role in the nation's history. Fall, Spring.

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<table>
<thead>
<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>JOU 2100C</td>
<td>Principles of Journalism</td>
<td>PR: Either SPC 1608, SPC 1603C, or COM 1000. Introduces principles of the journalism industry and lays the foundation for other upper-level journalism courses. Fall, Spring.</td>
</tr>
<tr>
<td>JOU 3010C</td>
<td>Advanced Reporting</td>
<td>PR: Journalism major or Magazine Journalism minor and a minimum grade of &quot;C&quot; (2.0) in JOU 2100C. Occasional.</td>
</tr>
<tr>
<td>JOU 3130</td>
<td>In-Depth Reporting</td>
<td>PR: Journalism major and JOU 2100C, or C.I. Writing with analysis, using detail, in a team, under faculty supervision, and learn first-hand the process of conducting communication/social scientific research. Occasional.</td>
</tr>
<tr>
<td>JOU 3184C</td>
<td>COS-COMM</td>
<td>PR: Journalism major and a minimum grade of &quot;C&quot; (2.0) in JOU 2100C. Coverage of several important news beats in a metropolitan area. Spring.</td>
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<tr>
<td>JOU 3201</td>
<td>Editing I</td>
<td>PR: Meet grammar proficiency requirement with &quot;A&quot;- or higher in ENC 1101 and ENC 1102, or complete Grammar Proficiency test. Editing copy, writing headlines, managing newsroom operations. Fall, Spring.</td>
</tr>
<tr>
<td>JOU 3202</td>
<td>Editing II</td>
<td>PR: Journalism major or Magazine Journalism minor, a minimum grade of &quot;C&quot; (2.0) in JOU 3201, and a minimum grade of &quot;C&quot; (2.0) in JOU 2100C. Practical aspects of editing. Occasional.</td>
</tr>
<tr>
<td>JOU 3301</td>
<td>Reading</td>
<td>PR: Either SPC 1608, SPC 1603C, or COM 1000, or C.I. Concepts of literary journalism, designed to enhance understanding and evaluation techniques used by journalists. Occasional.</td>
</tr>
<tr>
<td>JOU 3310</td>
<td>Social Media Writing for Magazines</td>
<td>PR: JOU 2100C. Writing social media writing for traditional magazines and journalism-based 'zines. Students will learn about the practices of social media writing and create their own blogs based on journalism practices. Fall.</td>
</tr>
<tr>
<td>JOU 3313C</td>
<td>Sports Reporting</td>
<td>PR: Journalism major and a minimum grade of &quot;C&quot; (2.0) in JOU 2100C. Covering sports for the media; issues, principles, and practices. Occasional.</td>
</tr>
<tr>
<td>JOU 3510</td>
<td>Magazine Publishing</td>
<td>PR: Journalism major or Magazine Journalism minor, and a minimum grade of &quot;C&quot; (2.0) in JOU 2100C. The magazine industry, emphasizing business operations and current topics. Fall.</td>
</tr>
<tr>
<td>JOU 3912</td>
<td>Collaborative Experiential Research Practicum</td>
<td>PR: Either SPC 1608, SPC 1603C or COM 1000, and C.I. Students will work as research assistants in a team, under faculty supervision, and learn first-hand the process of conducting communication/social scientific research. May be used in the degree program a maximum of 2 times. Occasional.</td>
</tr>
<tr>
<td>JOU 3951</td>
<td>Knightly Latino: Spanish Language News</td>
<td>PR: JOU 2100C and RTV 3321, or C.I. Focuses on the production of a weekly Spanish campus webcast. Daily news-gathering and production decisions are conducted by students under the advisement of the instructor. Fall, Spring.</td>
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<tr>
<td>JOU 4181</td>
<td>COS-COMM</td>
<td>PR: Journalism major, and a minimum grade of &quot;C&quot; (2.0) in JOU 2100C and a minimum grade of &quot;C&quot; (2.0) in JOU 3184C or JOU 3101. Reporting on city, county and state government. Occasional.</td>
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<tr>
<td>JOU 4211C</td>
<td>COS-COMM</td>
<td>PR: Journalism major and a minimum grade of &quot;C&quot; (2.0) in JOU 2100C. Use of boxes, charts, graphs in news writing. Occasional.</td>
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<tr>
<td>JOU 4212C</td>
<td>COS-COMM</td>
<td>PR: Journalism major and JOU 3201. Designing news pages, including stories, headlines, and other content. Fall, Spring.</td>
</tr>
<tr>
<td>JOU 4300</td>
<td>Feature Writing</td>
<td>PR: Journalism major or Magazine Journalism minor, and a minimum grade of &quot;C&quot; (2.0) in JOU 2100C. Writing feature articles for newspapers and magazines. Fall, Spring.</td>
</tr>
<tr>
<td>JOU 4306C</td>
<td>Critical Writing</td>
<td>PR: Journalism major or Magazine Journalism minor. Writing reviews of movies, plays, television programs, concerts, books, and other cultural works. Occasional.</td>
</tr>
<tr>
<td>JOU 4308</td>
<td>Freelance Writing</td>
<td>PR: Journalism major or Magazine Journalism minor. A study of the techniques and procedures of freelance writing, including the preparation of several manuscripts. Occasional.</td>
</tr>
<tr>
<td>JOU 4309C</td>
<td>COS-COMM</td>
<td>PR: Journalism major and a minimum grade of &quot;C&quot; (2.0) in JOU 2100C. The development, impact and problems of using the Internet as a journalistic tool. Write and design news for the Web. Occasional.</td>
</tr>
<tr>
<td>JOU 4341C</td>
<td>COS-COMM</td>
<td>PR: JOU 4340C. Study, design, and development of online journalism materials. Occasional.</td>
</tr>
<tr>
<td>JOU 4447</td>
<td>Multimedia Journalism</td>
<td>PR: Journalism major or Magazine Journalism minor, and a minimum grade of &quot;C&quot; (2.0) in JOU 2100C. Combining print and electronic technologies to transmit information to the public. Fall, Spring.</td>
</tr>
<tr>
<td>JOU 4700</td>
<td>COS-COMM</td>
<td>PR: MMC 3200. Ethical problems, codes, and practices in newsrooms. Fall, Spring.</td>
</tr>
<tr>
<td>JOU 4950</td>
<td>Senior Capstone in Journalism</td>
<td>PR: JOU 3101, JOU 4340, or JOU 4342, or C.I. Advanced techniques in multimedia news-gathering and reporting for a daily web publication as part of a capstone experience in journalism. Fall, Spring.</td>
</tr>
<tr>
<td>JST 3121</td>
<td>CAH-JUD</td>
<td>Classical Texts of Judaism: PR: ENC 1102. Scriptural and post-Biblical Rabbinic writings, Exegesis, Apocrypha, Qumran documents, Mishnah, Talmud, the Siddur, as well as Jewish mystical writings. Occasional.</td>
</tr>
<tr>
<td>JST 3144</td>
<td>CAH-JUD</td>
<td>Dead Sea Scrolls: PR: Junior standing or C.I. The scrolls, their literary and historical context, and significance. Occasional.</td>
</tr>
<tr>
<td>JST 3149</td>
<td>CAH-JUD</td>
<td>Judaism and Jesus: PR: ENC 1102 or C.I. Examines the implications of the &quot;historical Jesus&quot; and early Christianity on the Jewish people, particularly late antiquity and the Second Jewish Commonwealth. Occasional.</td>
</tr>
<tr>
<td>JST 3190</td>
<td>CAH-JUD</td>
<td>The Biblical Prophets: PR: ENC 1102. Writings of the biblical prophets, Isaiah, Jeremiah and Ezekiel against the backdrop of their times. Occasional.</td>
</tr>
<tr>
<td>JST 3210</td>
<td>CAH-JUD</td>
<td>Kabbalah: Jewish Mysticism: PR: ENC 1102. Jewish mysticism from its early roots in the prophetic age through the flowering of Kabbalah in medieval Spain and the land of Israel, with its texts and the Zohar. Occasional.</td>
</tr>
<tr>
<td>JST 3312</td>
<td>CAH-JUD</td>
<td>Identity and Genre: PR: ENC 1102 or C.I. Jewish and Hebrew literature as related to the intellectual quest for Jewish identity and modernism in the 18th and 19th centuries. Occasional.</td>
</tr>
<tr>
<td>JST 3401</td>
<td>CAH-JUD</td>
<td>Jewish People in Antiquity: PR: ENC 1102. History and culture of the Jewish people from the beginnings of Judaism in the biblical era through the Graeco-Roman and rabbinic periods. Fall.</td>
</tr>
<tr>
<td>JST 3415</td>
<td>CAH-JUD</td>
<td>American Jewish History: PR: ENC 1102, Jewish presence in America and its influence on and contribution to American life and culture. Occasional.</td>
</tr>
<tr>
<td>JST 3417</td>
<td>CAH-JUD</td>
<td>Sephardic Jews: History, Culture, and Folklore: PR: ENC 1102. Study of Sephardic Jews (Jews originated from Spain) as dispersed in Europe and the Middle East following the Expulsion from Spain in 1492. Even Spring.</td>
</tr>
</tbody>
</table>
Leadership Experience:
Students will engage in volunteer experiences and related to translating a leadership vision into organizational transformational events in culture, politics, education, and issues in Latin America including, among others, the analysis and comparison of traditional, structural, and nonverbal communication of selected cultural components, models of language production and comprehension, and theories of language development. Fall, Spring.

World Literature I:
PR: ENC 1102. Poetry, prose, and drama selected from ancient Hebrew, Greek, and Oriental literature and from that of Renaissance Europe. Fall, Spring.

World Literature II:
PR: ENC 1102. Readings from Moliere, Voltaire, Goethe, Pushkin, Balzac, Tolstoy, Ibsen, Mann, Kafka, Camus, and others. Fall, Spring.

Continental European Fiction Since 1900:
PR: Grade of C (2.0) or better required in ENC 1102. A selection of significant works of fiction written in various languages during the present century, read in translation. Occasional.

Legend & Literature of King Arthur:
PR: Grade of "C" (2.0) or better in ENC 1102 or C.I. Surveys 1500 years of Arthurian legend and literature, including such authors as Thomas Malory, Chretien de Troyes, and Mark Twain. Occasional.

Caribbean Literature:
PR: Grade of C (2.0) or better required in ENC 1102. Traces how Caribbean societies have achieved self-expression through documentary writing, prose fiction, and popular culture; in English. Occasional.

Honors Caribbean Literature:
PR: Permission of Honors and ENC 1102H or equivalent credit. How Caribbean societies have achieved self-expression through documentary writing, prose fiction, and popular culture; taught in English: Honors content. Occasional.

Death and Dying:
PR: Grade of "C" (2.0) or better required in ENC 1102 or C.I. Considering the topic of death and dying through a study of literature, the course includes facts, psychological impact, ideological responses to death and identity. Occasional.

Honors Death and Dying:
PR: ENC 1102H or equivalent credit, and consent of Honors. Explores the subject of death and grief in a variety of literary genres (fiction, memoir, non-fiction). With Honors content. Occasional.
LIT 3313 CAH-ENG 3(3,0)
Science Fiction: PR: Grade of "C" (2.0) or better required in ENC 1102 or C.I. An investigation of science fiction as a literary form, together with selected readings. Occasional.

LIT 3313H CAH-ENG 3(3,0)
Honors Science Fiction Literature: PR: Permission of Honors and ENC 1102H or equivalent credit. An investigation of science fiction as a literary form, together with selected readings. Honors content. Occasional.

LIT 3308 CAH-ENG 3(3,0)
Magical Realism in Literature: PR: Grade of "C" (2.0) or better in ENC 1102, or C.I. Magical realism in literature, including consideration of its popularity, development, and treatment in various cultural contexts. Occasional.

LIT 3381 CAH-ENG 3(3,0)
Women Writers of Color: PR: Grade of "C" (2.0) or better required in ENC 1102 or C.I. Examines the cultural productions of women writers of color in the Americas with a particular focus on literature, theory, and film. Occasional.

LIT 3385 CAH-ENG 3(3,0)
Women in Literature: PR: Grade of "C" (2.0) or better required in ENC 1102 or C.I. Fiction, poetry, drama, and non-fiction by selected women writers, such as Emily Dickinson, Jane Austen, George Eliot, Kate Chopin, Zora Neale Hurston, Toni Morrison, Adrienne Rich, Gwendolyn Brooks. Occasional.

LIT 3383H CAH-ENG 3(3,0)
Honors Women in Literature: PR: Permission of Honors and ENC 1102H or equivalent credit. Fiction, poetry, drama and non-fiction by selected women writers, such as Emily Dickinson, Jane Austen, George Eliot, Kate Chopin, Zora Neale Hurston, Toni Morrison, Adrienne Rich, Gwendolyn Brooks. Honors content. Occasional.

LIT 3344 CAH-ENG 3(3,0)
Literature of AIDS: PR: Grade of "C" (2.0) or better required in ENC 1102 or C.I. To familiarize students with the new genres of literature that has arisen related to AIDS. Essays, short stories, plays, poetry, and novels will be covered. Occasional.

LIT 3394H CAH-ENG 3(3,0)

LIT 3437 CAH-ENG 3(3,0)
International Environmental Justice Literature: PR: Grade of "C" (2.0) or better required in ENC 1102 or C.I. Literary and creative works from different genres and international authors addressing issues and stories related to environmental justice themes, such as toxic and land use. Occasional.

LIT 3485 CAH-ENG 3(3,0)
Literature & Popular Culture: PR: Grade of "C" (2.0) or better required in ENC 1102 or C.I. Analysis of media to determine popular values in the formation of popular cultural perceptions. Occasional.

LIT 3482H CAH-ENG 3(3,0)

LIT 3605 CAH-ENG 3(3,0)
Literature and War: PR: Grade of "C" (2.0) or better in ENC 1102, or C.I. Varied representations of war in literature. Occasional.

LIT 3607 CAH-ENG 3(3,0)
Mad, Bad, and Dangerous: Roles and Images of Writers in Society: PR: English major or minor, and grade of "C" (2.0) or better required in CRW 3013 and CRW 3053. CRW 3013. Representations of writers in films and texts, including multi-cultural and gendered aspects, and how these ideals, stereotypes, and cultural roles affect student writers. Occasional.

LIT 3714 CAH-ENG 3(3,0)
Literary Modernism: PR: Grade of "C" (2.0) or better required in ENC 1102 or C.I. Examines a specific period, a literary movement, and a set of aesthetic/formal practices applied to poetry, novels, essays, and manifestos. Occasional.

LIT 3823 CAH-ENG 3(3,0)
Hispanic Women Writers: PR: Grade of "C" (2.0) or better required in ENC 1102 or C.I. Hispanic women writers in a variety of genres. Occasional.

LIT 3833 CAH-ENG 3(3,0)
Modern Asian Literature: PR: Grade of "C" (2.0) or better required in ENC 1102 or C.I. Asian literatures in different genres translated into English or written in English from the modern period. Various countries emphasized in different iterations. Occasional.

LIT 3824 CAH-ENG 3(3,0)
Chinese Poetry in Translation: PR: Grade of "C" (2.0) or better in ENC 1102, or C.I. Chinese poetry in English translation, either as a survey or with focus on particular periods, movements, or styles. Occasional.

LIT 3833 CAH-ENG 3(3,0)
Translated Modern Chinese Novels: PR: Grade of "C" (2.0) or better in ENC 1102, or C.I. Chinese novels in English translation from the modern and contemporary periods. Occasional.

LIT 3905 CAH-ENG 3(3,0)
Directed experience in Literature: PR: ENC 1102, C.I. Individualized study of a topic, study and/or research in literature with personalized faculty direction. May be repeated for credit. Occasional.

LIT 3931 CAH-ENG 3(3,0)
Topics in World Literature: PR: Grade of "C" (2.0) or better required in ENC 1102 or C.I. Themes, modes, and genres from literature outside of the U.S. May be repeated for credit only if content is different. Occasional.

LIT 3932 CAH-ENG 3(3,0)
Topics in Popular Fiction: PR: Grade of "C" (2.0) or better required in ENC 1102 or C.I. Examines genres in popular fiction such as the western, romance, detective, fantasy, horror, or mystery. May be repeated for credit only if content is different. Occasional.

LIT 3933 CAH-ENG 3(3,0)
Modern Drama As Literature: PR: Grade of "C" (2.0) or better required in ENC 3014. A study of important plays, playwrights, themes, movements, and styles in modern American, British, and European drama. Occasional.

LIT 4184 CAH-ENG 3(3,0)
Irish Literature: PR: Grade of "C" (2.0) or better required in ENG 3014. A study of important plays, playwrights, themes, movements, and styles in modern American, British, and European drama. Occasional.

LIT 4374 CAH-ENG 3(3,0)
Literature of the Bible: PR: Permission of Honors and ENC 1102H or equivalent credit. Literary forms in the Bible — narrative, poetic, and dramatic — and their reflection in modern literature. Honors content. Occasional.

LIT 4433 CAH-ENG 3(3,0)
Literature of Science and Technology: PR: Grade of "C" (2.0) or better in ENC 1102, or C.I. Major works of non-fiction that address and describe the history, philosophy, politics, and new ideas in science and technology. Fall.

LIT 4554 CAH-ENG 3(3,0)
Advanced Feminist Theories: PR: Grade of "C" (2.0) or better required in ENC 1102, or C.I. Advanced feminist critical theories and practices. Occasional.

MAA 4226 COS-MATH 4(4,0)

MAA 4227 COS-MATH 3(3,0)
Advanced Calculus II: PR: MAA 4226 or C.I. Continuation of MAA 4226. Spring.

MAA 4402 COS-MATH 3(3,0)
Introduction to Complex Variables: PR: MAC 2313 and MAP 2302 and MAF 3302, or C.I. Analytic functions and complex integration. Residue integration, Taylor and Laurent series, conformal mapping and the application of complex analysis to Potential Theory. Spring.

MAA 4934 COS-MATH 3(3,0)
Topics in Analysis: PR: MAS 3106 and MAA 4226, or C.I. Advanced topics in analysis. Selection of topics will vary. May be used in the degree program a maximum of 3 times. Occasional.

MAA 5210 COS-MATH 3(3,0)
Topics in Advanced Calculus: PR: MAS 3105, MAP 2302, or equivalent or C.I. Real numbers, epsilon-delta language, limits, continuity, integration, differentiation, Taylor’s theorem, series, uniform convergence, inverse and implicit function theorems. Fall.

MAA 5228 COS-MATH 3(3,0)
Analysis I: PR: MAS 3106 and C.I. Real numbers, limits, differentiation, Riemann integrals, Riemann-Stietjes integrals, calculus in R^n, metric and normed spaces, contraction mapping theorem, inverse and implicit functions. Fall.

MAC 1105C COS-MATH 3(1,3)
College Algebra: PR: Appropriate score on the UCF Math Placement exam, or MAT 1033C with a "C" (2.0) or better required in ENC 1102, or C.I. Intermediate algebra. Topic: Graphs, rational, logarithmic, and exponential functions. Systems of equations. The "NC" grading policy applies to this course. Fall, Spring.

MAC 1105H COS-MATH 3(3,0)
MAC 1140C  COS-MATH  (3,1,3)
College Trigonometry: PR: Appropriate score on the UCF Math Placement Exam, or MAC 1105C with a "C" (2.0) or higher, or C.I. The circle arc length, identities, trigonometric functions, inverse functions, applications to simple harmonic motion, function of angles, complete development of triangle solving. Prepares students for upper level mathematics. The "NC" grading policy applies to this course. Fall, Spring.

MAC 1140C  COS-MATH  (3,1,3)
Pre-Calculus Algebra: PR: Appropriate score on the Math Placement Exam, or MAC 1105C with a "C" (2.0) or better, or C.I. Properties and graphs of polynomials, rational, exponential and logarithmic functions, matrices, sequences and series, conics, induction, binomial theorem. Introduction to limits. Prepares students for upper level mathematics. The "NC" grading policy applies to this course. Fall, Spring.

MAC 1140H  COS-MATH  (3,3,0)
Honors Pre-Calculus Algebra: PR: Appropriate score on the UCF Math Placement Exam, or MAC 1105C with a "C" (2.0) or better, or C.I. Polynomial, rational, exponential, and piecewise defined functions; matrices, conic sections, sequences and series, binomial theorem, mathematical induction, and applications with additional honors content. The "NC" grading policy applies to this course. Occasional.

MAC 2147  COS-MATH  (5,5,0)
Mathematics for Calculus: PR: Solid background in algebra or trigonometry, or C.I. For students with good mathematical background who do not want the theory of calculus. Topics include limits, derivatives, integrals, applications, infinite series. The "NC" grading policy applies to this course. Occasional.

MAC 2233  COS-MATH  (3,3,0)
Calculus of Calculus: PR: Appropriate score on the UCF Math Placement Exam, or MAC 1140C with a "C" (2.0) or better, or C.I. The differential and integral calculus of rational, exponential, and logarithmic functions, applications to business analysis. Not open to students with credit in MAC 2253 or MAC 2311C. The "NC" grading policy applies to this course. Occasional.

MAC 2253  COS-MATH  (3,3,0)
Applied Calculus: PR: Appropriate score on the UCF Math Placement Exam, or MAC 1140C with a "C" (2.0) or better and MAC 1141C with a "C" (2.0) or better, or C.I. Differential and integral calculus. Applications to engineering technology. Not open to students with credit in MAC 2253 or MAC 2311C. The "NC" grading policy applies to this course. Fall, Spring.

MAC 2311C  COS-MATH  (4,3,2)
Calculus with Analytic Geometry I: PR: Appropriate score on the UCF Math Placement Exam, or MAC 1140C with a "C" (2.0) or better, or C.I. Grade of "C" (2.0) or better in MAC 2311C, or grade of "C" (2.0) or better in the Calculus AB Advanced Placement Exam, or an AB sub-score of 5 or better on the Calculus BC Advanced Placement Exam. Differentiation and integration of exponential, inverse trigonometric functions; techniques of integration; further applications of integration; parametric equations, polars, coordinate planes; infinite sequences and series. Fall, Spring.

MAC 2312  COS-MATH  (4,0,0)
Calculus with Analytic Geometry II: PR: Grade of "C" (2.0) or better in MAC 2311C, or score of 5 on the Calculus AB Advanced Placement Exam, or an AB sub-score of 5 or better on the Calculus BC Advanced Placement Exam. Differentiation and integration of exponential, inverse trigonometric functions; techniques of integration; further applications of integration; parametric equations, polar coordinates; infinite sequences and series. Fall, Spring.

MAC 2312H  COS-MATH  (4,0,0)
Honors Calculus with Analytic Geometry II: PR: Grade of "C" (2.0) or better in MAC 2311C, or score of 5 on the Calculus AB Advanced Placement Exam, and permission of Honors. Differentiation and integration of exponential, inverse trigonometric functions; techniques of integration; further applications of integration; parametric equations, polar coordinates; infinite sequences and series. With Honors content. Fall, Spring.

MAC 2313  COS-MATH  (4,0,0)
Calculus with Analytic Geometry III: PR: Grade of "C" (2.0) or better in MAC 2312, or score of 5 on the Calculus BC Advanced Placement Exam, or C.I. Geometry of higher dimensional Euclidean space; vectors and vector functions; partial derivatives; multiple integrals; line integrals; vector fields; Green's Theorem and Stoke's Theorem. Fall, Spring.

MAC 2313H  COS-MATH  (4,0,0)
Honors Calculus with Analytic Geometry III: PR: Grade of "C" (2.0) or better in MAC 2312, or score of 5 on the Calculus BC Advanced Placement Exam, and permission of Honors. Geometry of higher dimensional Euclidean space; vectors and vector functions; partial derivatives; multiple integrals; line integrals; vector fields; Green's Theorem and Stoke's Theorem. With Honors content. Spring.

MAD 2104  COS-MATH  (3,0,3)
Foundations of Discrete Math: PR: 2 years of high school algebra and 1 year of geometry or C.I. Basic mathematical logic, methods of proof in mathematics, and application to elementary discrete structure. Fall, Spring.

MAD 2403  COS-MATH  (3,0,3)
Introduction to Combinatorics: PR: MAC 2312, and either MTH 3102 or COT 3100C, or C.I. Counting principles; permutations and combinations, multisets, recurrence relations and generating functions; combinatorial designs; the Polya theory of counting. Fall.

MAD 4301  COS-MATH  (3,0,3)
Introduction to Graph Theory: PR: Either MTH 3102 or COT 3100C, or C.I. Graph theory; isomorphism, connectivity, traversability, matchings, factorizations, planarity, colorings, and Ramsey number. Spring.

MAD 4934  COS-MATH  (3,0,3)
Topics in Discrete Mathematics: PR: MAS 3106 and either MAD 4203 or MAD 4301, or C.I. Advanced topics in discrete mathematics. Selection of topics will vary. May be used in the degree program a maximum of 3 times. Occasional.

MAD 5205  COS-MATH  (3,0,3)
Graph Theory I: PR: MAD 2403, graduate standing or C.I. Connectivity, Hamilton cycles, spanning trees, network flows, matchings, vertex and edge colorings planar graphs, extremal problems, Ramsey theory, spectral graph theory, Odd Spring.

MAE 2801  ED-TL&L  (4,3,1)
Elementary School Mathematics: PR: MAC 1105C or MGF 1106. Mathematics appropriate for the elementary school including the six basic sets of numbers; concepts, learning sequences, algorithms, problem-solving techniques, error patterns, number patterns, and geometry. Fall, Spring.

MAE 3310  ED-TL&L  (3,0,3)
Elementary Mathematics for Teaching I: PR: Junior standing or C.I. This course will address pedagogical content knowledge for teaching whole number concepts and operations, integer concepts, geometry and algebraic reasoning. Fall, Spring.

MAD 3311  ED-TL&L  (3,0,3)
Elementary Mathematics for Teaching II: PR: MAD 3310 with a "C" (2.0) or better. This course will address pedagogical content knowledge for teaching rational number concepts and operations, measurement, and algebraic reasoning. Fall, Spring.

MAD 3366  ED-TL&L  (3,0,3)
Middle and High School Mathematics for Teaching I: PR: Admission to Mathematics: education major or minor. This course provides a foundation in the pedagogical content knowledge for teaching mathematics appropriate for the middle and high school settings with an emphasis on algebra and geometry. Spring.

MAE 4300  ED-TL&L  (3,0,3)

MAE 4634  ED-TL&L  (3,2,1)

MAE 5327  ED-TL&L  (3,0,3)
Teaching Middle School Mathematics: PR: EDCG 4410 and MAD 4304. Course of study includes teaching middle school curriculum and survey of methods and materials which have special application for teaching mathematics. Fall.

MAE 5634  ED-TL&L  (3,0,3)
Teaching High School Mathematics: PR: MAC 2312H and either MHF 3302 or COT 3310C, or C.I. Counting principles; permutations and combinations, multisets, recurrence relations and generating functions; combinatorial designs; the Polya theory of counting. Fall.

MAE 7336  ED-TL&L  (3,0,3)

MAE 5935  COS-MATH  (3,0,3)
Post-Secondary Mathematics: PR: Graduate standing or senior standing or C.I. The course will focus on issues which are faced by teachers of collegiate mathematics. Topics will be selected from teaching issues, program issues, and other issues. Even Fall.

MAN 3025  BA-MAN  (3,0,3)
Management of Organizations: PR: ACG 2021 and ECO 2013 or ECO 2023 each with a grade of "C" (2.0) or better, or for non-business students, ECO 2013 and ECO 2023 with a grade of "C" (2.0) or better. Introduction to the theory and practice of managing formal organizations, including planning, organization theory, human behavior and management. Fall, Spring.

MAN 3025H  BA-MAN  (3,0,3)
Honors Management of Organizations: PR: ACG 2021 and ECO 2013 or ECO 2023 each with a grade of "C" (2.0) or better, and consent of Honors. Introduction to the theory and practice of managing formal organizations, including planning, organization theory, human behavior, and control. Applicable to honors students. Spring.

MAN 3301  BA-MAN  (3,0,3)
Strategic Human Resource Management: PR: Admission to the Management major. Provides students with a complete, comprehensive review of the strategic importance of the essential human resource management concepts and techniques for any student majoring in Management. Fall, Spring.
UCF Courses and Descriptions

MAN 3302 BA-MAN 3(3,0) Essentials of Human Resource Management for Integrated Business: PR: Admission to the Integrated Business major. Prepares managers to contribute to the development and implementation of HR policies and practices. Legal issues and relationships with other business functions are emphasized. Fall, Spring.

MAN 3354 BA-MAN 3(3,0) Employee Training for Non-Business Majors: PR: MAN 3025. Employee training needs and practices performed by supervisors and managers under the direction of organizational specialists. Designed for non-business majors. Occasional.


MAN 4046 BA-MAN 3(3,0) Teamwork, Collaboration, and Group Dynamics: PR: Admission to the Management major. Examination of concepts related to teams and group dynamics, and development of an understanding of how to become an effective team member, leader, and designer. Fall, Spring.

MAN 4101 BA-MAN 3(3,0) Human Relations in Management: PR: Management major, MAN 3025. The study of individual, interpersonal, group, and intergroup problems in business organizations through the use of cases and experimental exercises. Fall, Spring.

MAN 4143 BA-MAN 3(3,0) Leadership Development: PR: Admission to the Management major. Provides a foundation on the leadership development process and the impact leaders can have on individuals, groups, and organizations. Fall, Spring.

MAN 4209 BA-MAN 3(3,0) Dynamic Organizations: PR: Admission to the Management major. Explores how innovative organization design represents an important source of competitive advantage for organizations of all types. Fall, Spring.

MAN 4240 BA-MAN 3(3,0) Organizations: Theory and Behavior: PR: Management major, MAN 3025. A course providing a micro/ macro approach to the study of organizations by integrating organizational theory and organizational behavioral science concepts. Fall, Spring.

MAN 4320 BA-MAN 3(3,0) Human Resources Recruitment and Selection: PR: Management major, MAN 3031. A concentrated investigation of the methods appropriate to the development, implementation and administration of the staffing process in contemporary organizations Fall, Spring.

MAN 4329 BA-MAN 3(3,0) Business Analytics in Human Resource Management: PR: Admission to the Management major. Presentation of compensation theory and current practices used to transform data from many sources into useful information for human resource management and decisions. Fall, Spring.

MAN 4330 BA-MAN 3(3,0) Compensation Administration: PR: Management major, MAN 3031. Presentation of compensation theory and current practices employed in the design and administration of pay systems in large and small organizations Fall, Oct, Spring.

MAN 4350 BA-MAN 3(3,0) Performance Management: PR: Admission to the Management major. The management of worker performance through the training and development activities delivered by organizational specialists. Theory, issues, practices and problems are discussed. Fall, Spring.

MAN 4441 BA-MAN 3(3,0) Conflict Resolution and Negotiation: PR: MAN 3025. Conflict resolution and negotiation theories and processes applied to human resource management practices and other management activities in work organizations. Occasional.

MAN 4532 BA-MAN 3(3,0) Introduction to Collaborative Design: PR: Senior standing and C.I. Business students will learn team and engineering skills to work together at solving real world design problems in a team based environment. Fall, Spring.

MAN 4583 BA-MAN 3(3,0) Project Management: PR: Admission to the Integrated Business major. Foundations of project management in emerging industries and large, diversified and complex organizations. Covers the project environment, the project manager's role, and project phases from initiation to closing. Fall, Spring.

MAN 4600 BA-MAN 3(3,0) International Management: PR: Approved major or minor, MAN 3025. The course examines issues involved in multinational management of business firms, with special emphasis on comparative management. Fall, Spring.

MAN 4701 BA-MAN 3(3,0) Business Ethics and Society: PR: Management major, MAN 3025. This course applies the ethics dimension to business decisions in today's complex political, social, economic and technological environment. Fall, Spring.

MAN 4720 BA-MAN 3(3,0) Strategic Management: PR: Admitted to Business major, senior standing, and completion of MAN 3025, MAN 3031, MAN 3032, and MAN 3131. Students assume a strategic view of organizations and integrate and apply material learned in their business courses to modern organizational problems and opportunities. Fall, Spring.

MAN 4941 BA-MAN 3(3,0) Management Internship: PR: Management major, application approval. Provides current concepts and work experience in a sponsoring organization. See department for information; application required. May be repeated for credit. Occasional.

MAN 5037 BA-MAN 1.5(1,0) Management Foundations: PR: Graduate standing or C.I. Theory and practice of managing organizations to include planning, organizational theory, human behavior, and control. Fall, Spring.


MAN 5867 BA-MAN 3(3,0) Small Business Consulting: PR: C.I. Hands-on small business consulting course. Students are assigned teams and work with a local small business. Occasional.

MAP 2302 COS-MATH 3(3,0) Ordinary Differential Equations I: PR: Grade of "C" (2.0) or better in MAC 2313, or C.I. Methods of solution for first order equations. Linear equations. Laplace transforms. Series solutions. Selected applications. Fall, Spring.

MAP 2302H COS-MATH 3(3,0) Honors Differential Equations: PR: Grade of "C" (2.0) or better in MAC 2313, and permission of Honors. Methods of solution for first order equations. Linear equations. Numerical methods; Laplace transforms. Series solutions. Selected applications. Students will complete projects. For Honors students from all disciplines. Occasional.

MAP 3482H COS-MATH 3(3,0) Honors Systems Modeling and Simulation: PR: Permission of Honors and MAC 2321. Population growth dynamics; spread of an epidemic; ecological predator-prey relationships; and its use in the control of diabetes; economic systems. Occasional.

MAP 3923 COS-MATH 1(1,0) Frontiers in Mathematical Research: Colloquia and Public Talks: PR: MAP 2302 or C.I. Current research in mathematics and related fields, as presented by leading national and international researchers. May not be used to satisfy requirements for mathematics major or minor. Graded S/U. May be used in the degree program a maximum of 3 times. Fall, Spring.

MAP 4103 COS-MATH 3(3,0) Mathematical Modeling I: PR: MAS 3105 or MAS 3106, and MAP 2302, or C.I. An introduction to the study of mathematical modeling. Spring.

MAP 4113 COS-MATH 3(3,0) Probability, Random Processes and Applications: PR: MAC 2313. Elementary probability theory; modes of convergence; martingales, Gaussian, Wiener, and diffusion processes; Brownian motion; applications. Fall.

MAP 4153 COS-MATH 3(3,0) Vector and Tensor Analysis: PR: MAS 3105 or MAS 3106, and MAP 2302, or C.I. Vector calculus. The theorems of Green, Gauss and Stokes. Introduction to tensors. Application in engineering and physical sciences. Fall.

MAP 4171 COS-MATH 3(3,0) Optimization I: PR: MAC 2313, and MAP 2302, and MAS 3105, or MAS 3106, or C.I. Linear programming, dynamic programming, control theory, integer programming. Occasional.

MAP 4303 COS-MATH 3(3,0) Ordinary Differential Equations II: PR: MAP 2302, and MAS 3105 or MAS 3106, or C.I. Introduction to partial differential equations, stability theory and phase plane analysis, an introduction to limit cycles, bifurcations and chaos, power series solutions for ordinary differential equations. Occasional.


MAP 4342 COS-MATH 3(3,0) Partial Differential Equations II: PR: MAS 3105 or MAS 3106, and MAP 4341. Green's Functions, Integral Transforms, Laplace and Fourier transforms applied to heat, wave and potential equations. Bessel functions, Legendre functions, Fourier-Bezier series, PDEs in higher dimensions. Spring.

MAP 4371 COS-MATH 3(3,0) Numerical Methods for Differential Equations: PR: MAC 2313, and MAP 2302, and COP 3223C, and MAS 3105 or MAS 3106, or C.I. Numerical theory and practice used in solving ordinary differential equations and PDE. Covers Euler's method, trapezoidal rule, multi-step methods, Runge-Kutta, error control, finite differences, implicit and explicit schemes, iterative methods, and stability. Fall.


MAP 4484 COS-MATH 3(3,0) Mathematical Biology I: PR: MAP 2302, and MAS 3105 or MAS 3106, or C.I. Mathematical models of single populations, predator-prey systems, competition between species, epidemiology, genetics, compartmental models, numerical methods. Occasional.

MAP 4494 COS-MATH 3(3,0) Mathematical Biology II: PR: MAP 4484. Mathematics of permanence, persistence and stability of ecological communities; competition in special habitats; epidemiology, immune systems, oncology (cancer modeling, physiological modeling); genetics; protein folding. Occasional.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Prerequisites</th>
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</thead>
<tbody>
<tr>
<td>MAP 4640</td>
<td>Financial Mathematics: PR: MAP 4113 or C.I., Biomial no-stopping pricing model, Marking model, Markov processes, capital asset pricing model, stopping times, American derivative securities, random walks, interest rates, fixed-income derivatives, futures, Occasional.</td>
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<tr>
<td>MAP 4934</td>
<td>Topics in Applied Mathematics: PR: MAP 2302, Graduate status or senior standing, or C.I. Introduction to modeling in industrial and scientific applications; techniques for studying statistical and deterministic models. Selection of topics will vary. May be used in the degree program a maximum of 3 times. Occasional.</td>
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<tr>
<td>MAP 5117</td>
<td>Mathematical Modeling: PR: STA 4321, MAP 4303, graduate standing or senior standing, or C.I. Introduction to modeling in industrial and scientific applications; techniques for studying statistical and deterministic models. Even Fall.</td>
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<tr>
<td>MAP 5426</td>
<td>Special Functions: PR: MAP 2302, and graduate status or senior standing or C.I. Series and integral representations, generating functions, recurrence relations and orthogonality properties of the special functions. Emphasis on Bessel, Legendre and hypergeometric functions. Occasional.</td>
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<tr>
<td>MAP 5435</td>
<td>Advanced Mathematics for Engineers: PR: MAP 2302, and graduate status or senior standing or C.I. Linear Algebra and matrix methods, ordinary differential equations, Fourier series, partial differential equations, numerical methods, partial differential equations, and applications to engineering. Occasional.</td>
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<tr>
<td>MAP 5514</td>
<td>Linear and Nonlinear Waves I: PR: MAP 2302, and graduate standing or senior standing, or C.I. Equations of motion in inviscous and viscous fluids, energy equation and energy flux, linear theory of gravity and capillary-gravity waves, variational principles for water waves. Occasional.</td>
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<tr>
<td>MAP 5931</td>
<td>Research Seminar: PR: Graduate status or senior standing or C.I. Four instructors will introduce the students to a research area by presenting necessary background and placing current investigations. Different branches of mathematics will be presented for a sense of diversity. Occasional.</td>
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<tr>
<td>MAR 3023</td>
<td>Marketing: PR: ACG 2021 and ECO 2013 or ECO 2023 each with a grade of &quot;C&quot; (2.0) or better, or for non-business majors, ECO 2013 or ECO 2023 with a grade of &quot;C&quot; (2.0) or better. Study of how firms create and communicate value in order to build and maintain customer relationships while benefiting the organization and its stakeholders. Fall, Spring.</td>
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<tr>
<td>MAR 3023H</td>
<td>Honors Marketing: PR: ACG 2021 and ECO 2013 or ECO 2023 each with a grade of &quot;C&quot; (2.0) or better, and consent of the Honors College. Study of the planning and management of all activities involved in product development and introduction, and flows of materials and information to meet customers' needs. Fall, Spring.</td>
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<tr>
<td>MAR 3203</td>
<td>Supply Chain and Operations Management: PR: Completion of each course in the Business common program prerequisites with a &quot;C&quot; (2.0) or better, and consent of the Honors College. Study of the planning and management of all activities involved in processes, assets, and flows of materials and information to meet customers' needs. Fall.</td>
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<tr>
<td>MAR 3203H</td>
<td>Honors Supply Chain and Operations Management: PR: Completion of each course in the Business common program prerequisites with a &quot;C&quot; (2.0) or better, and consent of the Honors College. Study of the planning and management of all activities involved in processes, assets, and flows of materials and information to meet customers' needs. Fall.</td>
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<tr>
<td>MAR 3323</td>
<td>Integrated Marketing Communication: PR: Marketing Minor and MAR 3023 with a &quot;B&quot; (3.0) or better, Planning and execution of advertising, sales promotion, and public relations programs consistent with integrated marketing communications programs. Fall, Spring.</td>
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<tr>
<td>MAR 3391</td>
<td>Professional Selling: PR: Marketing major or Marketing Minor and MAR 3023 with a grade of &quot;B&quot; (3.0) or better. The communication processes that form the basis of professional selling to businesses and to individuals. Focus is on applied exercises and role-play situations. Fall, Spring.</td>
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<tr>
<td>MAR 3391H</td>
<td>Honors Professional Selling: PR: Marketing major or Marketing minor, and MAR 3023 with a grade of &quot;B&quot; (3.0) or better, and consent of the Honors College. The communication processes that form the basis of professional selling to businesses and to individuals. Focus is on applied exercises and role-play situations. Occasional.</td>
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<tr>
<td>MAR 4003</td>
<td>Sales Force Management: PR: MAR 3023 with a &quot;B&quot; (3.0) or better and appropriate major or minor. An overview of the sales management process. Emphasis on sales program formulation and implementation. Occasional.</td>
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<tr>
<td>MAR 3503</td>
<td>Consumer Behavior: PR: Admission to the Marketing major. Individuals, groups, or organizations and the processes utilized to select, secure, use, and dispose of products, services, or experiences to satisfy consumer needs and wants. Fall, Spring.</td>
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<tr>
<td>MAR 3611</td>
<td>Marketing Analysis and Research Methods: PR: Marketing major or Professional Selling minor, and MAR 3023 with a &quot;B&quot; (3.0) or better. Study of the analytical tools and research methods used by marketers to make more effective decisions. Fall, Spring.</td>
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<tr>
<td>MAR 3613</td>
<td>Marketing Research: PR: MAR 3615 with a grade of &quot;C&quot; (2.0) or better. The acquisition of information using various marketing research methods, as well as the analysis of results to marketing decision making. Fall, Spring.</td>
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<tr>
<td>MAR 3615</td>
<td>Marketing Analysis: PR: Admission to the Marketing major. Study of analytic methods, tools, processes, and technologies that enable marketers to evaluate the success of marketing activities and initiatives. Fall, Spring.</td>
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<tr>
<td>MAR 3641</td>
<td>Marketing Intelligence: PR: Marketing minor and MAR 3023 with a &quot;B&quot; (3.0) or better. Contemporary sources and applications of information concerning external forces impacting marketing decision making. Occasional.</td>
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<tr>
<td>MAR 3721</td>
<td>Digital Media Marketing: PR: Admission to the marketing major. The application of contemporary digital media technologies to marketing decision making. Fall, Spring.</td>
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<tr>
<td>MAR 3765</td>
<td>Entrepreneur Marketing: PR: Marketing major and MAR 3023 with a &quot;B&quot; (3.0) or better, or admission to the Entrepreneurship certificate or the Entrepreneurship minor or the Technological Entrepreneurship minor. Explores the impact of how marketing and entrepreneurship affect and are affected by one another. Fall, Spring.</td>
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<tr>
<td>MAR 4156</td>
<td>International Marketing: PR: Marketing minor and MAR 3023 with a &quot;B&quot; (3.0) or better. Investigates strategy, policy and the variables relevant to international marketing decisions. Occasional.</td>
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<tr>
<td>MAR 4231</td>
<td>Retailing Management: PR: Marketing minor and MAR 3023 with a &quot;B&quot; (3.0) or better. The field of retailing. Emphasis on planning for profitability through demand forecasting, inventory control, customer relationship management and brand leadership. Occasional.</td>
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<tr>
<td>MAR 4413C</td>
<td>Strategic Issues in Sales: PR: MAR 4415C with a &quot;B&quot; (3.0) or better. Advanced study of selected contemporary strategic issues in selling and sales management. Occasional.</td>
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<tr>
<td>MAR 4415C</td>
<td>Advanced Professional Selling: PR: Admission to the professional selling track in the Marketing major or to the Professional Selling minor. Advanced study of the professional selling process, including team selling, negotiating, customer conflict management, and CRM systems. Occasional.</td>
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<tr>
<td>MAR 4418</td>
<td>Fundamentals of Sales Force Management: PR: Admission to the Marketing major or the Professional Selling minor. Study of the effective strategic management of contemporary sales forces. Emphasis on sales program formulation, implementation, and control, with a focus on strategy. Fall, Spring.</td>
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<tr>
<td>MAR 4711</td>
<td>Sport Marketing: PR: Marketing minor and MAR 3023 with a &quot;B&quot; (3.0) or better. Marketing as it applies to the sport and leisure industry. Occasional.</td>
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<tr>
<td>MAR 4712</td>
<td>Healthcare Marketing: PR: Marketing minor and MAR 3023 with a &quot;B&quot; (3.0) or better. Marketing as it applies to healthcare manufacturers, intermediaries and providers. Occasional.</td>
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<tr>
<td>MAR 4715</td>
<td>Entertainment Marketing: PR: Marketing minor and MAR 3023 with a &quot;B&quot; (3.0) or better. Study of the effective strategic management of contemporary sales forces. Emphasis on sales program formulation, implementation, and control, with a focus on strategy. Fall, Spring.</td>
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<tr>
<td>MAR 4803</td>
<td>Marketing Management: PR: Marketing Minor and MAR 3611 with a grade of &quot;C&quot; (2.0) or better. Planning, implementing, monitoring and controlling marketing programs to effectively compete in dynamic and diverse business environments. Fall, Spring.</td>
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<tr>
<td>MAR 4804</td>
<td>Marketing Strategy: PR: MAR 3613 with a grade of &quot;C&quot; (2.0) or better. Marketing issues are explored, with emphasis on strategy formulation and integrative marketing decision making. Fall, Spring.</td>
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<tr>
<td>MAR 4832</td>
<td>Product Management: PR: MAR 3613 with a grade of &quot;C&quot; (2.0) or better. Study of the theory and practice of managing innovation and product design, testing, branding, and introduction of new products. Fall, Spring.</td>
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<tr>
<td>MAR 4840</td>
<td>Fundamentals of Services Marketing: PR: Admission to the Integrated Business major. Study of marketing decision making in services sectors. Primary focus is on the unique aspects of services that impact marketing decision making in small and medium-size enterprises. Occasional.</td>
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<tr>
<td>MAR 4841</td>
<td>Services Marketing: PR: Admission to the marketing major. Examination of marketing in services industries, with particular emphasis on the services sector, the role of marketing in services, and the implementation of services strategies. Fall, Spring.</td>
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<tr>
<td>MAR 4934</td>
<td>Contemporary Marketing Topics in Florida: PR: Marketing minor and MAR 3023 with a &quot;B&quot; (3.0) or better. Advanced study of marketing topics relevant to major business sectors in the state of Florida, e.g., high technology, health care, sustainable marketing, housing, real estate, tourism, hospitality, sports, gaming, etc. Topics may vary from term to term. May be repeated for credit only when course content is different. Occasional.</td>
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</tbody>
</table>
UCF Courses and Descriptions

MAR 4941 COM-BSBS 3(3,0)
Marketing Internship: PR: Admission to the Marketing major or minor, and application to and approval by the Department of Marketing. Provides students with supervised, market-related work experience in a sponsoring organization. Application and approval required. Fall, Spring.

MAS 3015 COS-MATH 4(4,0)
Matrix and Linear Algebra: PR: MAC 2312 or C.I. Matrices, determinants, vector spaces in R^n, linear independence, basis, solutions of systems, range of linear transformations, eigenvectors, Jordan Canonical Form, matrix functions, quadratic forms. Fall, Spring.

MAS 3015H COS-MATH 4(4,0)
Honors Matrix and Linear Algebra: PR: MAC 2312 and permission of Honors or C.I. Matrices, determinants, vector spaces in R^n, linear independence, basis, solutions of systems, range of linear transformations, eigenvectors, Jordan Canonical Form, matrix functions, quadratic forms, with honors content. Fall.

MAS 3106 COS-MATH 3(3,0)
Linear Algebra: PR: MHF 3302 and MAC 2312, or C.I. Abstract vector spaces, linear transformations, isomorphisms, projections, inner products, the spectral theorem, Jordan Canonical Form. Fall, Spring.

MAS 3203 COS-MATH 3(3,0)
Introduction to Number Theory: PR: MAC 3302. The course will include the following topics: inductive reasoning, factorization, the division algorithm and congruences. Spring.

MAS 4301 COS-MATH 3(3,0)
Abstract Algebra I: PR: MHF 3302 and MAS 3106, or C.I. Groups, subgroups, permutation groups, homomorphisms and isomorphisms, the isomorphism theorems, groups actions, the class equation, Sylow theorems, and rings. Fall.

MAS 4302 COS-MATH 3(3,0)
Abstract Algebra II: PR: MAS 4301 or C.I. Advanced topics. includes ring theory and field theory; introduction to Galois theory. Spring.

MAS 4934 COS-MATH 3(3,0)
Topics in Algebra: PR: MAS 3106 and MAS 4301, or C.I. Advanced topics in abstract algebra and discrete mathematics. Selection of topics will vary. May be used in the degree program a maximum of 3 times. Occasional.

MAS 5145 COS-MATH 3(3,0)
Advanced Linear Algebra and Matrix Theory: PR: MAS 3106 or C.I. Linear spaces, subspaces, linear transformations, matrices, eigenvalues and eigenvectors, Jordan forms, positive matrices, bilinear and quadratic forms, functions of matrices. Even Fall.

MAS 5311 COS-MATH 3(3,0)
Algebra I: PR: MAS 4301 or graduate standing or C.I. Sets and categories, groups and groupoids, group actions, the class equation, Sylow theorems, Jordan-Holder Theorem, Rings, Modules, Complexes, Factorization, and Idemducibility. Occasional.

MAT 1033C COS-MATH 3(1,3)
Intermediate Algebra: Reinforcement and development of algebra skills. Operations with polynomial, rational expressions; radicals; rational exponents; linear and quadratic equations, linear inequalities, and applications. This course is a "bridge course" which may be applied towards a degree as elective credit. This course will not satisfy either the GEP or Gordon Rule. Occasional.

MAT 3937 COS-MATH 1(1,0)
Techniques of Problem Solving: PR: MAC 2311C and CR: MAC 2312; or C.I. Methods for solving problems in a wide variety of mathematical fields, with an emphasis on proper mathematical technique and writing of solutions. Graded S/U. May be repeated for credit. Fall.

MAT 5712 COS-MATH 3(3,0)
Scientific Computing: PR: MAC 2313, MAP 3202, and either MAS 3105 or MAS 3106, or C.I. Matlab fundamentals, computer arithmetic, nonlinear equations, polynomial interpolation, divided; differences, splines, curve fitting, least-squares method, numerical differentiation and integration. Even Fall.

MCC 1000 COM-BSBS 3(3,0)
The Invisible World: Introduction to microbes, their beneficial and detrimental activities, and their importance to our every day lives. Fall.

MCC 1310 COM-BSBS 3(3,0)

MCC 2004C COM-BSBS 4(3,2)
Microbiology for Health Professionals: PR: BSC 2010C, CHM 1032 or CHM 2045C. A survey of microbiology for the health professional. Spring. M&S fee $53.00

MCC 3020C COM-BSBS 5(3,4)
General Microbiology: PR: BSC 2010C, CHM 2046, or CR: CHM 2210. Fundamentals of microbiology, evaluating microbial structure and function, metabolism, growth, genetics, virology environmental control, ecology, epidemiology, and laboratory techniques. Fall, Spring. M&S fee $53.00

MCC 3020C COM-BSBS 5(3,5)
Honors General Microbiology: PR: BSC 2010C, CHM 2046 or CR: CHM 2210, and consent of Honors. Same as MCC 3020C with enrichment and further development of analytical skills in a separate laboratory discussion section. With Honors content. Fall. M&S fee $53.00

MCC 3202 COM-BSBS 3(3,0)
Principles of Infectious Disease: PR: MCC 3020C. Introduction to host-pathogen interactions and microbial pathogens, with topics covering eukaryotic pathogens, virology, prokaryotic structure, pathogen identification, epidemiology, immunity, vaccines and antimicrobials, and virulence mechanisms. Occasional.

MCC 3203 COM-BSBS 3(3,0)
Pathogenic Microbiology: PR: MCC 3020C or C.I. Microorganisms producing disease in man and other animals; means of transmission; prevention against disease. Spring.

MCC 3203L Pathogenic Microbiology Lab: CR: MCC 3203. Laboratory investigation of pathogenic microorganisms, with emphasis on isolation and identification of pathogenic microorganisms. Spring. M&S fee $53.00

MCC 3316H COM-BSBS 3(3,0)

MCC 4114C COM-BSBS 4(3,3)

MCC 4201 COM-BSBS 3(3,0)
Microbial Stress Response: PR: MCC 3020C and PCB 3522. Examination of the molecular genetic mechanisms that bacterial and fungal pathogens use to adapt to changes in their environment. Fall.

MCC 4204 COM-BSBS 3(3,0)
Cellular Microbiology: Host-Pathogen Interactions: PR: MCC 3020C, PCB 3522. Examination of the molecular details of host-pathogen interactions. Key areas of cell biology will be considered in relation to microbial pathogenesis. Spring.

MCC 4207 COM-BSBS 3(3,0)
Infectious Processes: PR: MCC 3020C. The infectious process and the response of host cells and tissue to infection. Fall.

MCC 4224 COM-BSBS 3(3,0)
Molecular Biology of Diseases: PR: PCB 3522 or PCB 3523. In-depth knowledge of current advances in the molecular mechanisms underlying human diseases. Topics include autoimmunity, neurodegeneration, aging, drug addiction, obesity, and cancer. Spring.

MCC 4276 COM-BSBS 3(3,0)
Epidemiology of Infectious Diseases: PR: MCC 3020C. Study of descriptive and analytic epidemiology and its application to the analysis of infectious diseases and in the community health status. Spring.

MCC 4312 COM-BSBS 3(3,0)
Molecular Biotechnology: PR: MCC 3020C. Principles, techniques, and applications of Molecular Biotechnology in genetically modified food, cloning, gene therapy, and forensics; transgenic animals; patents and regulations. Fall.

MCC 4404 COM-BSBS 3(3,0)
Bacterial Genetics and Physiology: PR: PCB 3522. Basic principles of microbial genetic analysis emphasizing how microbial genetic approaches are used to understand fundamental physiological processes in bacteria. Spring.

MCC 4410 COM-BSBS 3(3,0)
Cellular Metabolism: PR: PCB 3522 or PCB 3023. Basic concepts of the mechanisms that define the functional organization and regulation of prokaryotic and eukaryotic cell metabolism. Fall.

MCC 4414 COM-BSBS 3(3,0)
Microbial Metabolism: PR: BSC 3403. Interrelationship between cellular structure function and genetic traits in microorganisms. The interaction between microorganisms and their nutritional environment. Fall, Spring.

MCC 4503C COM-BSBS 3(3,0)

MCC 4603 COM-BSBS 3(3,0)
Environmental Microbiology: PR: MCC 3020C. Interrelationships between the biological activities of microorganisms and their terrestrial and aquatic environments. Fall.

MCC 4653 COM-BSBS 3(1,6)
Applied Industrial Microbiology: PR: MCC 3020C and BSC 3403C. Combination of molecular and biochemical analyses with applied industrial microbiology projects. Fall.

MCC 4720 COM-BSBS 3(3,0)
Industrial Perspectives Seminar: PR: Biotechnology major and CR: MCC 3020C. Concepts and techniques of basic research and drug development. Speakers from the biotechnology/pharmaceutical industry will show applications. Fall.

MCC 4721C Methods in Biotechnology: PR: BSC 3403C. Fluorescence and luminescence-based assays used in biopharmaceutical industry for target validation. Occasional. M&S fee $70.00

MCC 4920C COM-BSBS 3(1,4)
Group Effort Applied Research: PR: MCC 3020C and BSC 3403C. Hands-on training class focused on real-world, applied research. Students participate as a group in a research project focusing on high quality technical applications. May be used in the degree program a maximum of 2 times only when course content is different. Occasional.

MCC 4920H COM-BSBS 3(1,4)
Honors Group Effort Applied Research (GEAR): PR: BSC 3403C and Consent from Honors. Hands-on training class focused on real-world, applied research. Students participate as a group in a research project focusing on high quality technical applications. May be used in the degree program a maximum of 2 times only when course content is different. Occasional.
MCB 4940 COM-BSBS 3(0,3-4)
Methodology in Biomedical Sciences
Instructor: PR: MCB 3202L or PCB 323L, or PCB 3703C or ZOO 3733C or MCB 3202C, and C.I. Reinforces lab techniques; students will also gain experience in teaching by assisting instructors of different biomedical science labs. Fall, Spring.

MCF 5205 COM-BSBS 3(3,0)
Infectious Disease: Proctor Examination: PR: MCB 3202C and C.I. Discussion of current theories of the infectious process and the response of host cells and tissue to infection. Fall.

MCF 5208 COM-BSBS 3(3,0)
Cellular Microbiology: Host-Pathogen Interactions: PR: Graduate standing, PCB 3522. Examination of the molecular details of host-pathogen interactions. Key areas of cell biology will be considered in relation to microbial pathogenesis. Spring.

MCF 5209 COM-BSBS 3(3,0)
Microbial Stress Response: PR: Graduate standing or C.I. Examination of the molecular genetic mechanisms, bacterial and fungal pathogens used to adapt to changes in their environment. Fall.

MCF 5225 COM-BSBS 3(3,0)

MCF 5314 COM-BSBS 1(1,0)
Industrial Perspectives Seminar: PR: Biotechnology MS students. Learning concepts of basic research and drug development in the pharmaceutical industry and technical presentation. May be used in the degree program a maximum of 2 times. Fall.

MCF 5415 COM-BSBS 3(3,0)
Cellular Metabolism: PR: Graduate standing or C.I. Basic concepts of the mechanisms that define the functioning and regulation of prokaryotic and eukaryotic cell metabolism. Fall.

MCF 5505 COM-BSBS 3(3,0)
Molecular Virology: PR: Graduate standing or C.I. An in-depth overview of the fundamental aspects and current concerns in modern virology including HIV, tumor viruses, Prion disease, virus-host interaction, genome replication and pathogenesis. Occasional.

MCF 5654 COM-BSBS 3(3,0)
Applied Microbiology: PR: MCB 3202C or C.I. Microbial biochemistry of industrial processes including: economics, screening, scale up, quality control and applied genetics. Occasional.

MCF 5752 COM-BSBS 4(2,4)
Methods in Biotechnology: PR: Graduate standing. A laboratory course that will train graduate students in fluorescence and luminescence-based assays used in biopharmaceutical industry for target validation. Occasional. M&S fee $70.00

MCF 5932 COM-BSBS VAR(VAR,VAR)
Current Topics in Molecular Biology: PR: Graduate standing or C.I. Selected current research topics from the primary literature reflecting recent advances in molecular biology. May be repeated for credit. Occasional.

MET 2104 COS-PHYS 3(3,0)
The Earth's Climate: History, physics and dynamics of the Earth's climate. Odd Spring.

MGF 1106 COS-MATH 3(0,3)
Finite Mathematics: PR: Appropriate score on the UCF Math Placement test, or MAT 1033C with a “C” (2.0) or better, or C.I. Introduction to systematic counting, probability, geometry, statistics, sets and logic. This course is intended for students who are not planning to take upper level courses in mathematics. Fall.

MGF 1107 COS-MATH 3(3,0)
Explorations in Mathematics: The beauty and utility of mathematics, including patterns and symmetry, voting strategies, and finance. Connections between math and music, art, architecture, and nature. This course is intended for students not planning to take upper level mathematics. Fall, Spring.

MHH 3302 COS-MATH 3(3,0)

MHH 4404 COS-MATH 3(3,0)

MHH 4934 COS-MATH 3(3,0)
Topics in Foundations and History of Mathematics: PR: MHH 3932 and MAS 3106, or C.I. Advanced, specialized topics in the foundations and history of mathematics, ranging from set theory and mathematical logic to the history and development of mathematical theories. May be used in the degree program a maximum of 3 times. Occasional.

MHS 2090 ED-CFCS 3(3,0)
Introduction to Human Services: An overview of the field of human services including roles, boundaries and ethical issues. The course orients students to the operation of human service agencies. Fall, Spring.

MHS 2330 ED-CFCS 3(3,0)
Career Planning: PR: Graduate standing. Service science and life cycle planning theories and concepts that assists students in applying these to their own lives. Odd Fall, Even Spring.

MHS 2441 ED-CFCS 3(3,0)
Couples, Families and Intimate Relationships: PR: Graduate standing or C.I. Dynamics of families, couples, intimate relationships, dating, courtship and choices of establishing stable and satisfying couples and families, impact of divorce, premarital and couples education. Fall, Spring.

MHS 3052 ED-CFCS 3(3,0)
Helping Skills for Human Service Providers: PR: MHS 2090. Focuses on the interpersonal skills necessary to the practice of the human service industry. Emphasis on motivating and supporting clients who are experiencing challenging situations. Spring.

MHS 3426 ED-CFCS 3(3,0)

MHS 5005 ED-CFCS 3(3,0)
Introduction to the Counseling Profession: PR: Completion of Phase II of Education Professional Preparation or C.I. Overview of the philosophy, organization, administration, and roles of counselors in various work settings. Fall, Spring.

MHS 3220C COM-BSBS 3(3,0)
Techniques in Clinical Microscopy: PR: CHM 2210, PCB 3703C or C.I. Analysis of body fluids and urine by chemical and microscopic methods with interpretation and correlation to human disease. Fall. M&S fee $70.00

MHS 3305 COM-BSBS 3(3,0)
Hematology: PR: CHM 2210 and PCB 3703C. Overview of the hematopoietic system and disease states associated with blood and bone marrow failure. Fall.

MHS 3305L COM-BSBS 1(0,6)
Hematology Lab: PR: MHS 3305. Practical laboratory procedures routinely performed for analyzing hematologic abnormalities. Spring.

MHS 3705 COM-BSBS 3(3,0)
Concepts in Education/Management: PR: Admission to professional phase of the MLS Program or C.I. Introduction to laboratory management, health delivery systems, and educational practices in clinical settings. Spring.

MHS 4334 COM-BSBS 3(3,0)
Hemostasis: PR: CHM 2210 and PCB 3703C. Overview of hemostatic and fibrinolytic conditions at the time of disease and the relationship of lab tests to diagnosis. Occasional.

MLS 4430C COM-BSBS 2(3,0)
Clinical Parasitology: PR: MCB 3020C, CHM 2210, PCB 3703C or C.I. Instruction and laboratory practice in the examination and study of clinical material for the detection and identification of human parasites. Fall. M&S fee $46.00

MLS 4460L COM-BSBS 1(0,6)
Clinical Pathogenic Microbiology Lab: PR: To the professional phase of the MLS program. PR: MCB 3203. Laboratory analysis of human pathogens from clinical samples to include bacteria and fungi. Spring. M&S fee $53.00

MLS 4505C COM-BSBS 3(3,0)

MLS 4550 COM-BSBS 4(2,6)
Clinical Immunohematology: PR: Admission to the professional phase of the MLS program or C.I. Investigation of incompatibility crossmatches; antibody identification, leukocyte antigens and identification procedures, problem solving. Spring. M&S fee $70.00

MLS 4625 COM-BSBS 3(3,0)
Advanced Clinical Chemistry I: PR: CHM 2210, PCB 3703C or C.I. Correlation of test lab to specific disease states including deviations in carbohydrate, amino acid, renal function, gastic function, electrolytes, and blood gases. Fall.

MLS 4625L COM-BSBS 1(0,3)
Advanced Clinical Chem I Lab: CR: MLS 4625. Laboratory procedures routinely performed in a clinical chemistry laboratory. Fall. M&S fee $70.00

MLS 4630 COM-BSBS 3(3,0)
Advanced Clinical Chemistry II: PR: CHM 2210, PCB 3703C or C.I. Correlation of laboratory tests to specific human disease states. Spring.

MLS 4830L COM-BSBS 4(0,8)
Interpreting & Practical Clinical Chemistry: PR: To the MLS program, MLS 4625, MLS 4630. Instruction and practice of clinical chemistry laboratory procedures at an off-campus affiliated hospital/clinical site. Fall.

MLS 4831L COM-BSBS 4(0,8)
Interpreting & Practical Immunohematology: PR: To the MLS program, MLS 4550, MLS 4550C. Instruction and practice of blood banking and transfusion medicine laboratory procedures at an off-campus affiliated hospital/clinical site. Fall.

MLS 4832L COM-BSBS 4(0,8)
Interpreting & Practical Hematology: PR: To the MLS program, MLS 3305, MLS 4334. Instruction and practice of clinical hematology laboratory procedures at an off-campus affiliated hospital/clinical site. Fall.

MLS 4833L COM-BSBS 4(0,8)
Diagnostic Microbiology: PR: To the MLS program, MLS 4460C. Instruction and practice of clinical microbiological procedures at an off-campus affiliated hospital/clinical site. Fall.

MLS 4910 COM-BSBS 1(1,0)
Introduction to Clinical Research: PR: MLS 3220C, MLS 4625, MLS 4550. Introduces MLS students to different types of research within the clinical setting. Spring.

MLS 4933 COM-BSBS 2(2,0)

MMC 2004 COS-COMM 3(3,0)
Mass Media: Introduction to the nation's mass media, including newspapers, radio, television, magazines, advertising, and public relations. Fall, Spring.

MMC 3200 COS-COMM 3(3,0)
Mass Communication Law: PR: One of the following: SPC 1608, SPC 1603C, COM 1000, or C.I. Legal rights and responsibilities of the mass media. Fall, Spring.

UNIVERSITY OF CENTRAL FLORIDA
MUE 4332 CAH-MUSIC 3(3,0) Secondary Instrumental Methods I: PR: Admission to BME Program. Wind, percussion, and string teaching methods for beginning and middle level students in a large classroom setting. Fall.

MUE 4335 CAH-MUSIC 3(3,0) Secondary Choral Methods II: PR: MUE 4331 with a grade of “C” (2.0) or better. Continued examination of vocal and choral literature, planning skills and rehearsal techniques for choral groups. Odd Spring.

MUE 4337 CAH-MUSIC 3(3,0) Secondary Instrumental Methods II: PR: MUE 4332 with grade of “C” (2.0) or better. Wind and percussion teaching methods for high school students in a large classroom setting. Odd Spring.


MUE 4393 CAH-MUSIC 2(2,0) Music and Students with Special Needs: PR: MUE 2040 or C.I. Consideration of the general education music curriculum in regards to students with disabilities and special needs. Odd Fall.

MUE 4441 CAH-MUSIC 3(3,0) String Methods: PR: MUE 4332. String teaching methods for high school students in a large classroom setting. Odd Spring.

MUE 4791 CAH-MUSIC 0(0,0) BME ePortfolio: PR: MUE 3742 Music Internship I; CR: MUE 4943 Music Internship II. Required electronic portfolio for all Bachelor of Music Education majors to be taken in conjunction with MUE 4943 Music Internship II. Fall, Spring.

MUE 4943 CAH-MUSIC 12(12,0) Music Internship II: PR: MUE 3842. Student Teaching in an elementary or secondary school under supervision of a certified classroom teacher. Graded S/U. Fall, Spring.

MUE 5348C CAH-MUSIC 4(4,0) K-12 Music Methods: PR: Graduate standing in Music Education or C.I. Organization and administration of instruction for comprehensive music education, K-12. Instructional planning, techniques, and materials for general, choral, and instrumental music education. Spring.

MUE 5921 CAH-MUSIC 2(2,0) Music Education Workshop: PR: Graduate standing in C.I. or C.I. variable topics in Music Education to offer hands-on instruction in a workshop format. May be used in the degree program a maximum of 4 times only when course content is different. Occasional.

MUG 3104 CAH-MUSIC 2(1,1) Basic Conducting: PR: MUT 1122 or C.I. Fundamental techniques and practice in conducting. Fall


MUG 3502 CAH-MUSIC VAR(VAR,VAR) Instrumental Conducting and Materials: PR: MUG 3104. Fundamental topics in Music Education to offer instrumental conducting and rehearsal techniques including an examination of materials. Spring.

MUH 2017 CAH-MUSIC 3(3,0) Survey of Rock Music: Rise of rock music to prominence, and its impact on audience reception. No musical background required. Fall, Spring.

MUH 2017H CAH-MUSIC 3(3,0) Honors Survey of Rock Music: PR: Consent of Honors. Rock music, 1950s to present, with emphasis on cultural and musical meaning. With Honors content. Even Fall.

MUH 2019 CAH-MUSIC 3(3,0) American Popular Music, 1840s-present: Historical and cultural development of popular music in the United States from the 1840s to the present. Fall, Spring.

MUH 2021 CAH-MUSIC 3(3,0) Immigration and Settlement of Vocal and Choral Literature: No credit allowed for Music Education majors. Fall.

MUH 2071C CAH-MUSIC 1(1,0) World Music Survey and Performance Laboratory: PR: MUL 1122 or C.I. An introduction to different cultures of World Music. Spring.

MUH 3211 CAH-MUSIC 3(3,0) Music of the Baroque: PR: MUH 3633 and MUL 1122 with a grade of “C” (2.0) or better. History of Western European art music from Antiquity to 1800. Fall, Spring.

MUH 3212 CAH-MUSIC 3(3,0) Music History and Literature II: PR: MUE 3211 with grade of “C” (2.0) or better. History of Western European art music from 1800 to present day. Fall.

MUH 3633 CAH-MUSIC 3(3,0) Music in the United States: PR: MUL 2720 and MUL 1122 with grade of “C” (2.0) or better. Music of the United States of America from pre-Revolutionary times to present. Includes vernacular, jazz, popular, and art music traditions indigenous to the USA. Fall, Spring.

MUH 4218 CAH-MUSIC 1(1,0) Review of Music History: PR: C.I. A review of music history from Ancient Greece to the present. Occasional.

MUH 4322 CAH-MUSIC 3(3,0) Medieval and Renaissance Music: PR: MUE 3211 and MUE 3712 with grade of “C” (2.0) or better. Music and culture of Western Europe in the era c. 1500-1400. Even Fall.

MUH 4341 CAH-MUSIC 3(3,0) Music of the Baroque: PR: MUE 3211 and MUE 3712 with grade of “C” (2.0) or better. Music and culture of Western Europe in the era c. 1700-1830. Odd Fall.

MUH 4351 CAH-MUSIC 3(3,0) Eighteenth-Century Music: PR: MUE 3211 and MUE 3712 with grade of “C” (2.0) or better. Music and culture of Western Europe in the era c. 1700-1830. Even Fall.

MUH 4361 CAH-MUSIC 3(3,0) Music of the 19th Century: PR: MUE 3211 and MUE 3712 with grade of “C” (2.0) or better. Examination of Western European and American art music from the nineteenth century. Odd Fall.

MUH 4371 CAH-MUSIC 3(3,0) Music Since 1900: PR: MUE 3211 and MUE 3712 with grade of “C” (2.0) or better. Western art music since 1900. Odd Spring.

MUH 4814 CAH-MUSIC 3(3,0) Jazz Styles and Analysis: PR: MUL 3717 and MUL 3008 with grade of “C” (2.0) or better. Western art music since 1900. Even Spring.

MUH 5326 CAH-MUSIC 3(3,0) Medieval and Renaissance Music: PR: Graduate standing in music education or C.I. Music and culture of Western Europe in the era c. 1450-1600. Occasional.

MUH 5345 CAH-MUSIC 3(3,0) Music of the Baroque: PR: Graduate standing in music or music education or C.I. Baroque music, 1600-1750. Even Spring.

MUH 5356 CAH-MUSIC 3(3,0) Eighteenth-Century Music: PR: Graduate standing in music education or C.I. Music and culture of Western Europe in the era c. 1700-1800. Odd Fall.
MUL 4444 CAH-MUSIC 3(3,0) Woodwind Literature and Pedagogy: PR: Music major and MUL 2014. Important literature written for woodwind instruments, and basic concepts and techniques to teach woodwinds. Odd Spring.

MUL 4552 CAH-MUSIC 3(3,0) Band Literature: PR: MUL 1122 and MUL 2014, or C.I. Survey of materials for use in the public school band classroom, including beginning band methods, technique books, and musical selections appropriate for concert performance. Fall.

MUL 4643 CAH-MUSIC 3(3,0) Choral Literature: PR: "C" (2.0) or better in MUL 3211 and MUL 3212, or C.I. Choral music from its beginnings to the present with consideration of historical perspective; genres, styles, and performance practice; major composers, and representative works. Fall.

MUL 5436 CAH-MUSIC 3(3,0) Guitar Literature and Pedagogy: PR: Graduate standing in Music or C.I. Survey of significant repertories and pedagogy for classical guitar. Odd Spring.

MUL 5439 CAH-MUSIC 3(3,0) String Literature and Pedagogy: PR: Graduate standing in Music or C.I. Major works written for woodwind instruments, as well as the study of the basic concepts and techniques fundamental to teaching woodwind instruments. Odd Spring.

MUL 5447 CAH-MUSIC 3(3,0) Woodwind Literature and Pedagogy: PR: Graduate standing in Music or C.I. Significant woodwind repertoire, study materials and a review of teaching techniques for artistic brass performance. Even Fall.

MUL 5555 CAH-MUSIC 3(3,0) Band Literature: PR: Graduate standing or C.I. Survey of materials for use in the public school band classroom, including beginning band methods, technique books, and musical selections appropriate for concert performance. Occasional.

MUL 5645 CAH-MUSIC 3(3,0) Choral Literature: PR: Graduate standing or C.I. Survey of choral music from its beginnings to the present with consideration of historical perspective; genres, styles and performance practice; major composers and representative works. Occasional.

MUM 5806 CAH-MUSIC Performing Arts Management: PR: Graduate standing in Music or C.I. Structure of performing arts organization (PAOs), examining the fundamental elements of administration, audience development, marketing, and fund-raising. Spring.

MUN 2442 CAH-MUSIC 1(1,0) Percussion/Mallet Ensemble: PR: C.I. Preparation and performance of music for percussion with mallets. May be repeated for credit. Fall. M&S fee $30.00

MUN 3113 CAH-MUSIC 2(0,8) Marching Band: PR: Admission by audition. Preparation for appearances at football games and special occasions. May be repeated for credit. Fall. M&S fee $37.00

MUN 3121 CAH-MUSIC 1(0,3) Concert Band: PR: C.I. No audition required and open to all majors. Study and performance of music for large ensembles. May be repeated for credit. Fall,Spring. M&S fee $20.00

MUN 3133 CAH-MUSIC 1(0,4) Symphonic Band: PR: Open to all students by audition. All percussion, dance and performance ensemble that presents multiple concerts each semester and performs a variety of musical literature for winds and percussion. Fall,Spring. M&S fee $20.00

MUN 3143 CAH-MUSIC 1(0,4) Wind Ensemble: PR: Open to all students by audition. Study and performance of music for wind ensemble and band. May be repeated for credit. Fall,Spring. M&S fee $20.00

MUN 3283 CAH-MUSIC 1(0,5) Symphony Orchestra: PR: Audition. Open to all students by audition. Rehearsal and performance of works from the symphonic repertoire. May be repeated for credit. Fall,Spring. M&S fee $22.00

MUN 3313 CAH-MUSIC 1(3,0) University Chorus: PR: C.I. Open to all students by audition. Study and performance of large ensemble music. Possible tours. May be repeated for credit. Fall,Spring. M&S fee $20.00

MUN 3323 CAH-MUSIC 1(0,3) Women’s Chorus: PR: Audition and C.I. Study and performance of music for women’s voices. Open to all students. May be repeated for credit. Fall,Spring. M&S fee $20.00

MUN 3343L CAH-MUSIC 1(0,3) Chamber Singers: PR: C.I. A chamber choir of advanced singers. Open to all students by audition. Additional rehearsals and commitments required. May be repeated for credit. Fall,Spring. M&S fee $20.00

MUN 3423 CAH-MUSIC 1(0,2) Woodwind Ensemble: PR: C.I. Open to all students. Study and performance of music for small ensembles. May be repeated for credit. Fall,Spring. M&S fee $20.00

MUN 3426 CAH-MUSIC 1(1,0) Saxophone Ensemble: PR: Students must pass an audition in front of the instructor. An in-depth study and performance of music written for an ensemble comprised of all saxophones. May be used in the degree program a maximum of 8 times. Fall,Spring. M&S fee $20.00

MUN 3427 CAH-MUSIC 1(1,0) Flute Ensemble: PR: Student must pass an audition in front of the instructor. Study and performance of music written for an ensemble comprised of all flutes. May be used in the degree program a maximum of 8 times. Fall,Spring. M&S fee $20.00

MUN 3431L CAH-MUSIC 1(0,2) Brass Quintet: PR: Audition and Consent of Instructor. Rehearsal and performance of music for brass quintet. May be used in the degree program a maximum of 4 times. Fall,Spring. M&S fee $20.00

MUN 3433 CAH-MUSIC 1(0,2) Brass Ensemble: PR: C.I. Open to all students. Study and performance of music for small ensembles. May be repeated for credit. Fall,Spring. M&S fee $20.00

MUN 3437 CAH-MUSIC 1(1,0) Trumpet Ensemble: PR: C.I. Rehearsal and performance of music for trumpet ensembles. May be repeated for credit. Occasional. M&S fee $20.00

MUN 3443 CAH-MUSIC 1(0,2) Percussion Ensemble: PR: C.I. Open to all students. Study and performance of music for small ensembles. May be repeated for credit. Fall,Spring. M&S fee $35.00

MUN 3444 CAH-MUSIC 1(0,1) Mallet Ensemble: PR: C.I. Preparation and performance of music for mallet ensemble. May be repeated for credit. Fall,Odd Spring. M&S fee $35.00

MUN 3453 CAH-MUSIC 1(0,3) Piano Ensemble: PR: Open to Music Majors or C.I. Study and performance of music for small ensembles. May be repeated for credit. Fall,Spring. M&S fee $20.00

MUN 3483 CAH-MUSIC 1(0,2) String Ensemble: PR: C.I. Open to all students. Study and performance of music for small ensembles. May be repeated for credit. Fall,Spring. M&S fee $20.00

MUN 3487 CAH-MUSIC 1(0,2) Guitar Ensemble: PR: Audition or C.I. Study and performance of music for multiple guitars. May be used in the degree program a maximum of 8 times. Odd Spring. M&S fee $20.00

MUN 3713 CAH-MUSIC 1(0,4) Jazz Ensemble: PR: C.I. Open to all students by audition. Study and performance of music for small ensembles. May be repeated for credit. Fall,Spring. M&S fee $20.00

MUN 3714 CAH-MUSIC 1(0,2) Jazz Combo: PR: Junior standing and C.I. Rehearsal and performance of music for small jazz combo, emphasizing improvisation. May be repeated for credit. Fall,Spring. M&S fee $22.00

MUN 3813 CAH-MUSIC 1(1,1) Steel Drum Band: PR: C.I. Rehearsal and performance of music for steel drum band. May be repeated for credit. Fall,Spring. M&S fee $20.00

MUN 4476 CAH-MUSIC 1(0,2) Early Music Ensemble: PR: C.I. Study and performance of pre-classical music. May be repeated for credit. Fall,Spring. M&S fee $5.00

MUN 5126 CAH-MUSIC 1(0,3) Concert Band: PR: Open to all graduate students by audition. Study and performance of music for large ensembles. May be used in the degree program a maximum of 4 times.Odd Fall. M&S fee $20.00

MUN 5145 CAH-MUSIC 1(0,4) Wind Ensemble: PR: Open to all graduate students by audition. Study and performance of music for wind ensemble and band. May be used in the degree program a maximum of 4 times. Odd Fall. M&S fee $20.00

MUN 5215 CAH-MUSIC 1(0,5) Symphony Orchestra: PR: Open to all graduate students by audition. Rehearsal and performance of works from the symphonic repertoire. May be used in the degree program a maximum of 4 times. Odd Fall. M&S fee $20.00

MUN 5325 CAH-MUSIC 1(0,3) Women’s Chorus: PR: Open to all graduate students by audition. Study and performance of choral music for women’s voices. May be used in the degree program a maximum of 4 times. Odd Fall. M&S fee $20.00

MUN 5385L CAH-MUSIC 1(0,3) Graduate University Chorus: PR: Graduate standing in Music Education and C.I. Select, mixed choir that explores music appropriate to a small, advanced ensemble, and performs in the Orlando area each semester. May be used in the degree program a maximum of 5 times. Fall,Spring. M&S fee $20.00

MUN 5445 CAH-MUSIC 1(0,2) Percussion Ensemble: PR: Open to all graduate students by audition. Study and performance of music for small percussion ensembles. May be used in the degree program a maximum of 4 times. Odd Fall. M&S fee $35.00

MUN 5465L CAH-MUSIC 1(0,2) Graduate Chamber Music: PR: Graduate standing in Music Education and C.I. The study and performance of vocal and/or instrumental chamber literature. Flexible instrumentation to meet student needs. May be used in the degree program a maximum of 5 times. Occasional. M&S fee $20.00

MUN 5478L CAH-MUSIC 1(0,3) Early Music Ensemble: PR: Graduate standing in Music Education and C.I. Graduate ensemble experience with instruments and repertories of the Medieval, Renaissance, and Baroque periods. May be used in the degree program a maximum of 5 times. Occasional. M&S fee $5.00

MUN 5715L CAH-MUSIC 1(0,4) Jazz Ensemble: PR: Audition, graduate or senior standing, and C.I. Study and performance of jazz big band music. May be used in the degree program a maximum of 4 times only when course content is different. Fall,Spring. M&S fee $20.00
MUS 5716L CAH-MUSIC 1(2,2)
Jazz Chamber Group: PR: Audition, graduate standing or senior standing, and C.I. Study and performance of jazz small group music. May be used in the degree program a maximum of 4 times. Fall, Spring. M&S fee $20.00

MUO 5505L CAH-MUSIC 1(0,3)
Graduate Opera Workshop: PR: C.I. and audition. Study of audition techniques, operatic roles and repertoire, and characterization through performance. May be used in the degree program a maximum of 5 times. Occasional. M&S fee $70.00

MUS 1010 CAH-MUSIC 0(9,2)
Music Forum: A series of special musical events required of music majors. Includes lectures and recitals by faculty, students, and guest artists. Graded S/U. May be repeated for credit. Fall, Spring.

MUS 1250 CAH-MUSIC 1(2.0)
IPA for Singers: PR: Music major or C.I. The International Phonetic Alphabet and its application to English, French, German, and Italian music written for voice. Odd Fall.

MUS 2300C CAH-MUSIC 3(2,2)
Introduction to Music Technology: PR: MUS 2360 with a grade of "C" (2.0) or better. Today's music industry: copyright, publishing, contracts and licensing. Graded S/U. May be used in the degree program a maximum of 2 times. Fall, Spring.

MUS 3254 CAH-MUSIC 2(2,0)

MUS 3255 CAH-MUSIC 2(2,0)
German and English Lyric Diction: PR: MUS 1250. Study and applications of the correct sung pronunciation of the German and English languages. Odd Spring.

MUS 3053 CAH-MUSIC 0(1,0)
Recital Performance II: PR: Junior Level Applied Music and C.I. Public recital of 30 minutes to demonstrate performance skills. Graded S/U. May be used in the degree program a maximum of 2 times. Fall, Spring.

MUS 4320 CAH-MUSIC 3(3,0)
Music Business and Industry: PR: MUS 2360C with a grade of "C" (2.0) or better. Today's music industry: copyright, publishing, contracts and licensing. Odd Fall.

MUS 4674 CAH-MUSIC 3(3,0)

MUS 4900 CAH-MUSIC 3(3,0)
Music BA Capstone Project: PR: C.I. Self-designed project, completed under faculty supervision, that demonstrates ability to think critically and work independently while applying knowledge and skills from music and other subjects. Graded S/U. Occasional.

MUS 4905 CAH-MUSIC 1-4(1-4)
Directed Experience: PR: C.I. and Junior standing. Special topics of study and/or research as determined by student/faculty consultation. May be repeated for credit. Occasional.

MUS 4954 CAH-MUSIC 0(1,0)
Recital Performance II: PR: Senior level applied music and C.I. Public recital of 45 minutes to demonstrate performance skills. Graded S/U. May be used in the degree program a maximum of 2 times. Fall, Spring.

MUS 5365 CAH-MUSIC 3(3,0)
Music and Technology: PR: Graduate status or senior standing, or C.I. The emergence of technology in music including MIDI, CD ROM, and the high-tech music classroom. Occasional.

MUS 5577 CAH-MUSIC 3(3,0)
Wellness for the Performing Musician: PR: Graduate standing in music education or C.I. Various techniques and methods of maintaining physical health and wellness for musicians. Occasional.

MUT 1004 CAH-MUSIC 3(3,0)
Fundamentals of Music I: Basic music theory and reading music. Fall.

MUT 1121 CAH-MUSIC 4(2,3)
Music Theory and MusicianShip I: PR: MUT 1004 or C.I. Studies in music theory, both written and aural skills, including musical analysis, model composition, sight singing, ear training, and improvisation. Odd Spring.

MUT 1122 CAH-MUSIC 4(2,3)
Music Theory and MusicianShip II: PR: MUT 1121 with a grade of "C" (2.0) or better. Continuation of MUT 1121. Studies in music theory, both written and aural skills, including musical analysis, model composition, sight singing, ear training, and improvisation. Odd Spring.

MUT 2126 CAH-MUSIC 4(2,3)
Music Theory and MusicianShip III: PR: MUT 1122 with a grade of "C" (2.0) or better. Continuation of MUT 1122. Studies in music theory, both written and aural skills, including musical analysis, model composition, sight singing, ear training, and improvisation. Odd Spring.

MUT 2127 CAH-MUSIC 4(2,3)
Music Theory and MusicianShip IV: PR: MUT 2126 with a grade of "C" (2.0) or better. Continuation of MUT 2126. Studies in music theory, both written and aural skills, including musical analysis, model composition, sight singing, ear training, and improvisation. Odd Spring.

MUT 3170 CAH-MUSIC 3(3,0)
Jazz Theory I: PR: MUT 1122 with a grade of "C" (2.0) or better. Study of theoretical concepts in jazz music, including practical keyboard applications. Even Fall.

MUT 3923 CAH-MUSIC 3(3,0)
Jazz Workshop: PR: MUT 3171 or C.I. Comprehensive musicianship in jazz studies, improvisation, repertoire, leadership and collaboration, studied in the context of a jazz group. May be repeated up to four times. Fall, Spring Fall, Spring.

MUT 4031 CAH-MUSIC 1(1,0)
Review of Music Theory: PR: C.I. A comprehensive review of harmonic and analytic skills. May be repeated for credit. Occasional.

MUT 4311 CAH-MUSIC 3(3,0)
Orchestration: PR: MUS 2360C and MUT 2127 with a grade of "C" (2.0) or better. Technical and aesthetic principles of writing for instruments of the concert orchestra. Odd Spring.

MUT 4401 CAH-MUSIC 3(3,0)
Counterpoint: PR: MUT 2127 with a grade of "C" (2.0) or better. Countertone in Western music from the 16th to the 20th Centuries. Even Spring.

MUT 4571 CAH-MUSIC 3(3,0)
Analysis of Twentieth-Century Music: PR: MUT 2127 with a grade of "C" (2.0) or better. Techniques of analysis for various styles of twentieth-century music. Odd Fall.

MUT 5316 CAH-MUSIC 3(3,0)
Orchestration: PR: Graduate standing in Music or C.I. Study of the various instruments commonly found in orchestras and wind ensembles and how to write for these instruments in combination. Odd Spring.

MUT 5381 CAH-MUSIC 3(3,0)
Arranging and Composing Music: PR: Satisfactory placement tests in theory, sight-singing, and ear training, and graduate status or senior standing or C.I. Arranging and composing music for instrumental and vocal ensembles. Some emphasis on compositional techniques of the 20th century. Occasional.

MUT 5445 CAH-MUSIC 3(3,0)
Graduate Repertoire: PR: Graduate standing in Music or C.I. Principles of counterpoint and the study of contrapuntal styles in Western music from the 16th century to the present day. Even Spring.

MUT 5620 CAH-MUSIC 3(3,0)
Analysis of Twentieth Century Music: PR: Graduate standing in Music or C.I. Analysis of music in a selection of the different styles practiced in the 20th century, with an emphasis on Western art music. Fall.

MUT 5936 CAH-MUSIC 3(3,0)
Music Theory Seminar: PR: Graduate standing in music education or C.I. One or more issues of importance in music theory with emphasis on recent scholarly literature and debates. May be used in the degree program a maximum of 4 times. Occasional.

MVB 1211 CAH-MUSIC 1(0,1)

MVB 1212 CAH-MUSIC 1(0,1)

MVB 1213 CAH-MUSIC 1(0,1)

MVB 1214 CAH-MUSIC 1(0,1)

MVB 1215 CAH-MUSIC 1(0,1)
Secondary Tuba: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in tuba. Intended for non-music majors. May be repeated for credit. Fall, Spring.

MVB 1411 CAH-MUSIC 2(1,1)
Trumpet I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVB 1412 CAH-MUSIC 2(1,1)
French Horn I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVB 1413 CAH-MUSIC 2(1,1)
Trombone I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVB 1414 CAH-MUSIC 2(1,1)
Euphonium I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVB 1415 CAH-MUSIC 2(1,1)
Tuba I: PR: Major in music or consent of chair; audition. May be repeated for credit. Even Fall, Spring.

MVB 2421 CAH-MUSIC 2(1,1)
Trumpet II: PR: MVB 1411 and competence determined by faculty jury. Continuation of MVB 1411. May be repeated for credit. Fall, Spring.

MVB 2422 CAH-MUSIC 2(1,1)
French Horn II: PR: MVB 1412 and competence determined by faculty jury. Continuation of MVB 1412. May be repeated for credit. Fall, Spring.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Department</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MVB 2424</td>
<td>CAH-MUSIC</td>
<td>2(1,1)</td>
<td></td>
<td>Euphonium II: PR: MVB 1414 and competence determined by faculty jury. Continuation of MVB 1414. May be repeated for credit. Fall, Spring.</td>
</tr>
<tr>
<td>MVB 2425</td>
<td>CAH-MUSIC</td>
<td>2(1,1)</td>
<td></td>
<td>Tuba: PR: MVB 1415 and competence determined by faculty jury. Continuation of MVB 1415. May be repeated for credit. Fall, Spring.</td>
</tr>
<tr>
<td>MVB 3431</td>
<td>CAH-MUSIC</td>
<td>2-3(1,1)</td>
<td></td>
<td>Trumpet III: PR: MVB 2424. Continued study of performance skills of the trumpet, with additional intensive work expected for performance majors. May be repeated in the degree program a maximum of 3 times. Fall, Spring.</td>
</tr>
<tr>
<td>MVB 3432</td>
<td>CAH-MUSIC</td>
<td>2-3(1,1)</td>
<td></td>
<td>French Horn III: PR: MVB 2422 and competence determined by faculty jury. Continued study of performance skills of the French horn, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.</td>
</tr>
<tr>
<td>MVB 3433</td>
<td>CAH-MUSIC</td>
<td>2-3(1,1)</td>
<td></td>
<td>Trombone III: PR: MVB 2423 and competence determined by faculty jury. Continued study of performance skills of the trombone, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.</td>
</tr>
<tr>
<td>MVB 4441</td>
<td>CAH-MUSIC</td>
<td>4(1,1)</td>
<td></td>
<td>Trumpet IV: PR: MVB 3431. Intensive advanced performance study of the trumpet, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.</td>
</tr>
<tr>
<td>MVB 4442</td>
<td>CAH-MUSIC</td>
<td>4(1,1)</td>
<td></td>
<td>French Horn IV: PR: MVB 3432 and competence determined by faculty jury. Intensive advanced performance study of the French horn, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.</td>
</tr>
<tr>
<td>MVB 4443</td>
<td>CAH-MUSIC</td>
<td>4(1,1)</td>
<td></td>
<td>Trombone IV: PR: MVB 3433 and competence determined by faculty jury. Intensive advanced performance study of the trombone, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.</td>
</tr>
<tr>
<td>MVB 4444</td>
<td>CAH-MUSIC</td>
<td>4(1,1)</td>
<td></td>
<td>Euphonium IV: PR: MVB 3434 and competence determined by faculty jury. Intensive advanced performance study of the euphonium, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.</td>
</tr>
<tr>
<td>MVB 4445</td>
<td>CAH-MUSIC</td>
<td>4(1,1)</td>
<td></td>
<td>Tuba IV: PR: MVB 3435 and competence determined by faculty jury. Intensive advanced performance study of the tuba, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.</td>
</tr>
<tr>
<td>MVB 5451</td>
<td>CAH-MUSIC</td>
<td>2(1,0)</td>
<td></td>
<td>Trumpet V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.</td>
</tr>
<tr>
<td>MVB 5452</td>
<td>CAH-MUSIC</td>
<td>2(1,0)</td>
<td></td>
<td>French Horn V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.</td>
</tr>
<tr>
<td>MVB 5453</td>
<td>CAH-MUSIC</td>
<td>2(1,0)</td>
<td></td>
<td>Trombone V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.</td>
</tr>
<tr>
<td>MVB 5454</td>
<td>CAH-MUSIC</td>
<td>2(1,0)</td>
<td></td>
<td>Baritone V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.</td>
</tr>
<tr>
<td>MVB 5455</td>
<td>CAH-MUSIC</td>
<td>2(1,0)</td>
<td></td>
<td>Tuba V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.</td>
</tr>
<tr>
<td>MVJ 1010</td>
<td>CAH-MUSIC</td>
<td>2(1,1)</td>
<td></td>
<td>Jazz Piano I: PR: Music major or C.I. Scale studies, arpeggios, chord voicings, and other techniques included in fundamentals of jazz piano skills. May be used in the degree program a maximum of 3 times. Odd Spring.</td>
</tr>
<tr>
<td>MVJ 1213</td>
<td>CAH-MUSIC</td>
<td>2(1,1)</td>
<td></td>
<td>Jazz Guitar I: PR: Music major or C.I. Scales, arpeggios, chord voicings, and other techniques included in fundamentals of jazz guitar skills. May be used in the degree program a maximum of 3 times. Odd Spring.</td>
</tr>
<tr>
<td>MVJ 1214</td>
<td>CAH-MUSIC</td>
<td>2(1,1)</td>
<td></td>
<td>Jazz Bass I: PR: Music major or C.I. Basic Jazz Bass skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.</td>
</tr>
<tr>
<td>MVJ 1219</td>
<td>CAH-MUSIC</td>
<td>2(1,1)</td>
<td></td>
<td>Jazz Drum Set I: PR: Music major or C.I. Basic Jazz Drum Set skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.</td>
</tr>
<tr>
<td>MVJ 1220</td>
<td>CAH-MUSIC</td>
<td>2(1,1)</td>
<td></td>
<td>Jazz Piano II: PR: MVJ 1210. Continuation of MVJ 1210. Scale Studies, arpeggios, chord voicings, and other techniques included in progressive jazz piano skills. May be used in the degree program a maximum of 3 times. Odd Spring.</td>
</tr>
<tr>
<td>MVJ 1222</td>
<td>CAH-MUSIC</td>
<td>2(1,1)</td>
<td></td>
<td>Jazz Bass II: PR: MVJ 1212. Continuation of MVJ 1212. Progressive Jazz Bass skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.</td>
</tr>
<tr>
<td>MVJ 1229</td>
<td>CAH-MUSIC</td>
<td>2(1,1)</td>
<td></td>
<td>Jazz Drum Set II: PR: MVJ 1216. Continuation of MVJ 1216. Progressive Jazz Drum Set skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.</td>
</tr>
<tr>
<td>MVJ 3230</td>
<td>CAH-MUSIC</td>
<td>3(1,1)</td>
<td></td>
<td>Jazz Piano III: PR: MVJ 2220. Continuation of MVJ 2220. Scale studies, arpeggios, chord voicings, and other techniques included in progressive jazz piano skills. May be used in the degree program a maximum of 3 times. Odd Spring.</td>
</tr>
<tr>
<td>MVJ 3233</td>
<td>CAH-MUSIC</td>
<td>2(1,1)</td>
<td></td>
<td>Jazz Guitar III: PR: MVJ 2223. Continuation of MVJ 2223. Scales, arpeggios, chord voicings and other techniques included in progressive jazz guitar skills. May be used in the degree program a maximum of 3 times. Odd Spring.</td>
</tr>
<tr>
<td>MVJ 5350C</td>
<td>CAH-MUSIC</td>
<td>4(1,1)</td>
<td></td>
<td>Jazz Piano IV: PR: MVJ 3230. Continuation of MVJ 3230. Scale studies, arpeggios, chord voicings, and other techniques included in advanced jazz guitar skills. May be used in the degree program a maximum of 3 times. Odd Spring.</td>
</tr>
<tr>
<td>MVJ 5353C</td>
<td>CAH-MUSIC</td>
<td>4(1,1)</td>
<td></td>
<td>Jazz Bass IV: PR: MVJ 3234. Continuation of MVJ 3234. Advanced Jazz Bass skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.</td>
</tr>
<tr>
<td>MVJ 5359C</td>
<td>CAH-MUSIC</td>
<td>4(1,1)</td>
<td></td>
<td>Jazz Drum Set IV: PR: MVJ 3339. Continuation of MVJ 3339. Progressive Jazz Drum Set skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.</td>
</tr>
<tr>
<td>MVK 1111</td>
<td>CAH-MUSIC</td>
<td>1(0,2)</td>
<td></td>
<td>Class Piano I: Instruction for beginning piano students. Not open to music majors whose major performing medium is piano. Fall, Spring.</td>
</tr>
<tr>
<td>MVK 1112</td>
<td>CAH-MUSIC</td>
<td>1(0,2)</td>
<td></td>
<td>Class Piano II: PR: MVK 1111 with grade of &quot;C&quot; (2.0) or better, or C.I. Study of advanced piano literature, styles and techniques. May be used in the degree program a maximum of 3 times when course content is different. Fall, Spring.</td>
</tr>
<tr>
<td>MVK 1113</td>
<td>CAH-MUSIC</td>
<td>1(0,2)</td>
<td></td>
<td>Secondary Piano: CR: Performing ensemble. Advanced instruction in piano. Intended for non-music majors. May be repeated for credit. Fall, Spring.</td>
</tr>
<tr>
<td>MVK 1114</td>
<td>CAH-MUSIC</td>
<td>1(0,2)</td>
<td></td>
<td>Piano I: PR: Major in music or consent of chairperson; audition. May be repeated for credit. Fall, Spring.</td>
</tr>
<tr>
<td>MVK 1121</td>
<td>CAH-MUSIC</td>
<td>1(0,2)</td>
<td></td>
<td>Piano II: PR: MVK 1111 with grade of &quot;C&quot; (2.0) or better; or C.I. Continuation of MVK 1111. Music majors only; not open to music majors whose major performing medium is piano. Fall, Spring.</td>
</tr>
<tr>
<td>MVK 1122</td>
<td>CAH-MUSIC</td>
<td>1(0,2)</td>
<td></td>
<td>Piano III: PR: MVK 2121 with grade of &quot;C&quot; (2.0) or better; or C.I. Continuation of MVK 2121. Music majors only; not open to music majors whose major instrument is piano. Fall, Spring.</td>
</tr>
<tr>
<td>MVK 1123</td>
<td>CAH-MUSIC</td>
<td>1(0,2)</td>
<td></td>
<td>Piano IV: PR: MVK 3121 with grade of &quot;C&quot; (2.0) or better; or C.I. Continuation of MVK 3121. Music majors only; not open to music majors whose major instrument is piano. Fall, Spring.</td>
</tr>
</tbody>
</table>
MVK 5451 CAH-MUSIC 2(1,0) Piano V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVK 5450 CAH-MUSIC 2(2,0) Piano Pedagogy: PR: Graduate standing in Music or C.I. Techniques, methods, and experiences of former and current pedagogues to equip students for current or future piano teaching. Even Spring.

MVO 5250 CAH-MUSIC 1(1,0) Advanced Secondary Instruction: PR: Graduate status or senior standing, and C.I. Advanced instructional techniques on a secondary instrument or in voice. May be repeated for credit. Occasional.

MVP 1211 CAH-MUSIC 1(0,1) Secondary Percussion: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in percussion. Intended for non-music majors. May be repeated for credit. Occasional. M & S fee $35.00

MVP 1411 CAH-MUSIC 2(1,1) Percussion I: PR: Major in music or consent of chair. Audition. May be repeated for credit. Fall, Spring. M & S fee $35.00

MVP 2421 CAH-MUSIC 2(1,1) Percussion II: PR: MVP 1411 and competence determined by faculty jury. May be repeated for credit. Fall, Spring. M & S fee $35.00

MVP 3431 CAH-MUSIC 2(3,1) Percussion III: PR: MVP 2421 and competence determined by faculty jury. Continued study of percussion. Intended for non-music majors. May be repeated in the degree program a maximum of 3 times. Fall, Spring. M & S fee $35.00

MVP 3630 CAH-MUSIC 2(2,0) Percussion Pedagogy: PR: Music major, C.I. Teaching methods and materials for percussion students and groups. Fall, Spring.

MVP 4441 CAH-MUSIC 4(1,1) Percussion IV: PR: MVP 3431 and competence determined by faculty jury. Intensive advanced performance study of percussion for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring. M & S fee $35.00

MVP 5451 CAH-MUSIC 2(1,0) Percussion V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring. M & S fee $35.00

MVS 1211 CAH-MUSIC 1(0,1) Secondary Violin: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in violin. Intended for non-music majors. May be repeated for credit. Fall, Spring.

MVS 1212 CAH-MUSIC 1(0,1) Secondary Viola: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in viola. Intended for non-music majors. May be repeated for credit. Fall, Spring.

MVS 1213 CAH-MUSIC 1(0,1) Secondary Cello: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in cello. Intended for non-music majors. May be repeated for credit. Fall, Spring.

MVS 1214 CAH-MUSIC 1(0,1) Secondary Bass: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in bass. Intended for non-music majors. May be repeated for credit. Fall, Spring.

MVS 1216 CAH-MUSIC 1(0,1) Secondary Guitar: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in guitar. Intended for non-music majors. May be repeated for credit. Fall, Spring.

MVS 1411 CAH-MUSIC 2(1,1) Violin I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 1412 CAH-MUSIC 2(1,1) Viola I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 1413 CAH-MUSIC 2(1,1) Cello I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 1414 CAH-MUSIC 2(1,1) Bass I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 1415 CAH-MUSIC 2(1,1) Harp I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 1416 CAH-MUSIC 2(1,1) Guitar I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 2421 CAH-MUSIC 2(1,1) Violin II: PR: MVS 1411 and competence determined by faculty jury. Continuation of MVS 1411. May be repeated for credit. Fall, Spring.

MVS 2422 CAH-MUSIC 2(1,1) Viola II: PR: MVS 1412 and competence determined by faculty jury. Continuation of MVS 1412. May be repeated for credit. Fall, Spring.

MVS 2423 CAH-MUSIC 2(1,1) Cello II: PR: MVS 1413 and competence determined by faculty jury. Continuation of MVS 1413. May be repeated for credit. Fall, Spring.

MVS 2424 CAH-MUSIC 2(1,1) Bass II: PR: MVS 1414 and competence determined by faculty jury. Continuation of MVS 1414. May be repeated for credit. Fall, Spring.

MVS 2425 CAH-MUSIC 2(1,1) Harp II: PR: MVS 1415 and competence determined by faculty jury. Continuation of MVS 1415. May be repeated for credit. Fall, Spring.

MVS 2426 CAH-MUSIC 2(1,1) Guitar II: PR: MVS 1416 and competence determined by faculty jury. Continuation of MVS 1416. May be repeated for credit. Fall, Spring.

MVS 3421 CAH-MUSIC 2(3,1) Violin III: PR: MVP 2421 and competence determined by faculty jury. Continued study of violin. Intended for music majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 3422 CAH-MUSIC 2(3,1) Viola III: PR: MVP 2422 and competence determined by faculty jury. Continued study of viola. Intended for music majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 3423 CAH-MUSIC 2(3,1) Cello III: PR: MVP 2423 and competence determined by faculty jury. Continued study of cello. Intended for music majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 3433 CAH-MUSIC 2(3,1) Harp III: PR: MVP 2425 and competence determined by faculty jury. Continued study of harp. Intended for music majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 3434 CAH-MUSIC 2(3,1) Bass III: PR: MVP 2426 and competence determined by faculty jury. Continued study of bass. Intended for music majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 3435 CAH-MUSIC 2(3,1) Cello IV: PR: MVP 2427 and competence determined by faculty jury. Continued study of cello. Intended for music majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 3436 CAH-MUSIC 2(3,1) Harp IV: PR: MVP 2428 and competence determined by faculty jury. Continued study of harp. Intended for music majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 4441 CAH-MUSIC 4(1,1) Violin IV: PR: MVS 3431 and competence determined by faculty jury. Intensive advanced performance study of the violin. Intended for music majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 4442 CAH-MUSIC 4(1,1) Viola IV: PR: MVS 3432 and competence determined by faculty jury. Intensive advanced performance study of the viola. Intended for music majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 4443 CAH-MUSIC 4(1,1) Cello IV: PR: MVS 3433 and competence determined by faculty jury. Intensive advanced performance study of the cello. Intended for music majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 4444 CAH-MUSIC 4(1,1) Bass IV: PR: MVS 3434 and competence determined by faculty jury. Intensive advanced performance study of the bass. Intended for music majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 4445 CAH-MUSIC 4(1,1) Harp IV: PR: MVS 3435 and competence determined by faculty jury. Intensive advanced performance study of the harp. Intended for music majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 5451 CAH-MUSIC 2(1,0) Violin V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVS 5452 CAH-MUSIC 2(1,0) Violin VI: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVS 5453 CAH-MUSIC 2(1,0) Cello V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVS 5454 CAH-MUSIC 2(1,0) Bass V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVS 5455 CAH-MUSIC 2(1,0) Harp V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVS 5456 CAH-MUSIC 2(1,0) Guitar V: PR: Graduate status or senior standing and C.I. May be used in the degree program a maximum of 4 times. Fall, Spring.

MVP 4445 CAH-MUSIC 4(1,1) Harp II: PR: MVS 3426 and competence determined by faculty jury. Continued study of harp. Intended for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVP 4446 CAH-MUSIC 4(1,1) Harp III: PR: MVS 3427 and competence determined by faculty jury. Continued study of harp. Intended for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.
MVV 1411 CAH-MUSIC 2(1,1) Voice I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVV 1873 CAH-MUSIC 1(0,1) Secondary Voice: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in voice. Intended for non-music majors. May be repeated for credit. Fall, Spring.

MVV 2421 CAH-MUSIC 2(1,1) Voice II: PR: MVV 1411 and competence determined by faculty jury. CR: MUS 1250. Continuation of MVV 1411. Major in music or consent of chair; audition. Private and class lessons.May be repeated for credit 2 times. Fall, Spring.

MVV 3431 CAH-MUSIC 2(3,1) Voice III: PR: MVV 2421 and competence determined by faculty jury. Continued study of performance skills of the voice, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVV 4441 CAH-MUSIC 4(1,1) Voice IV: PR: MVV 3431 and competence determined by faculty jury. Intensive advanced performance study of the voice, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVV 4640 CAH-MUSIC 2(0,0) Voice Pedagogy: PR: C.I. Vocal function, anatomy, and pedagogical methodology as applied to the voice teacher and performer. Odd Spring.

MVV 5451 CAH-MUSIC 2(1,0) Voice V: PR: Graduate standing or senior standing and C.I. May be used in the degree program a maximum of 4 times. Fall, Spring.

MVV 5651 CAH-MUSIC 2(3,0) Voice Pedagogy: PR: Graduate standing in Music or C.I. Vocal function, anatomy, and pedagogical methodology with application to the voice teacher and performer. Odd Spring.

MVW 1211 CAH-MUSIC 1(0,1) Secondary Flute: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in flute. Intended for non-music majors. May be repeated for credit. Fall, Spring.

MVW 1212 CAH-MUSIC 1(0,1) Secondary Oboe: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in oboe. Intended for non-music majors. May be repeated for credit. Fall, Spring.

MVW 1213 CAH-MUSIC 1(0,1) Secondary Clarinet: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in clarinet. Intended for non-music majors. May be repeated for credit. Fall, Spring.

MVW 1214 CAH-MUSIC 1(0,1) Secondary Bassoon: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in bassoon. Intended for non-music majors. May be repeated for credit. Fall, Spring.

MVW 1411 CAH-MUSIC 2(1,1) Flute I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVW 1412 CAH-MUSIC 2(1,1) Oboe I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVW 1413 CAH-MUSIC 2(1,1) Clarinet I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVW 1414 CAH-MUSIC 2(1,1) Bassoon I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring. M&S fee $20.00

MVW 1415 CAH-MUSIC 2(1,1) Saxophone I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVW 2421 CAH-MUSIC 2(1,1) Flute II: PR: MVW 1411 and competence determined by faculty jury. Continuation of MVW 1411. May be repeated for credit. Fall, Spring.

MVW 2422 CAH-MUSIC 2(1,1) Oboe II: PR: MVW 1412 and competence determined by faculty jury. Continuation of MVW 1412. May be repeated for credit. Fall, Spring.

MVW 2423 CAH-MUSIC 2(1,1) Clarinet II: PR: MVW 1413 and competence determined by faculty jury. Continuation of MVW 1413. May be repeated for credit. Fall, Spring.

MVW 2424 CAH-MUSIC 2(1,1) Bassoon II: PR: MVW 1414 and competence determined by faculty jury. Continuation of MVW 1414. May be repeated for credit. Fall, Spring. M&S fee $20.00

MVW 2425 CAH-MUSIC 2(1,1) Saxophone II: PR: MVW 1415 and competence determined by faculty jury. Continuation of MVW 1415. May be repeated for credit. Fall, Spring.

MVW 3431 CAH-MUSIC 2(3,1) Flute III: PR: MVW 2421 and competence determined by faculty jury. Continued study of performance skills of the flute, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVW 3432 CAH-MUSIC 2(3,1) Oboe III: PR: MVW 2422 and competence determined by faculty jury. Continued study of performance skills of the oboe, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVW 3433 CAH-MUSIC 2(3,1) Clarinet III: PR: MVW 2423 and competence determined by faculty jury. Continued study of performance skills of the clarinet, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVW 3434 CAH-MUSIC 2(3,1) Bassoon III: PR: MVW 2424 and competence determined by faculty jury. Continued study of performance skills of the bassoon, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVW 3435 CAH-MUSIC 2(3,1) Saxophone III: PR: MVW 2425 and competence determined by faculty jury. Continued study of performance skills of the saxophone, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVW 4441 CAH-MUSIC 4(1,1) Flute IV: PR: MVW 3431 and competence determined by faculty jury. Intensive advanced performance study of the flute, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVW 4442 CAH-MUSIC 4(1,1) Oboe IV: PR: MVW 3432 and competence determined by faculty jury. Intensive advanced performance study of the oboe, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVW 4443 CAH-MUSIC 4(1,1) Clarinet IV: PR: MVW 3433 and competence determined by faculty jury. Intensive advanced performance study of the clarinet, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVW 4444 CAH-MUSIC 4(1,1) Bassoon IV: PR: MVW 3434 and competence determined by faculty jury. Intensive advanced performance study of the bassoon, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVW 4445 CAH-MUSIC 4(1,1) Saxophone IV: PR: MVW 3435 and competence determined by faculty jury. Intensive advanced performance study of the saxophone, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVW 5451 CAH-MUSIC 2(1,0) Flute V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVW 5452 CAH-MUSIC 2(1,0) Oboe V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVW 5453 CAH-MUSIC 2(1,0) Clarinet V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVW 5454 CAH-MUSIC 2(1,0) Bassoon V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVW 5455 CAH-MUSIC 2(1,0) Saxophone V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

NGR 5003 CON-NURS 2(2,0) Advanced Health Assessment and Diagnostic Reasoning: PR: or CR: NGR 5141; CR: NGR 5003L. Admission to the M.S. in Nursing or Doctor of Nursing Practice program tracks or C.I. Concepts and skills of advanced health assessment over the lifespan. Application of the diagnostic reasoning process through differential diagnoses. May be used in the degree program a maximum of 2 times. Fall, Spring.

NGR 5003L CON-NURS 1(0,1) Advanced Health Assessment and Diagnostic Reasoning (Lab): PR: or CR: NGR 5141; CR: NGR 5003L. Admission to the M.S. in Nursing or Doctor of Nursing Practice program tracks or C.I. Application of concepts and skills for advanced health assessment and diagnostic reasoning over the lifespan Graded S/U. May be used in the degree program a maximum of 2 times. Fall, Spring. M&S fee $45.00

NGR 5090 CON-NURS 3(3,0) Urgent Care for the Advanced Practice Nurse: PR: NGR 6240 or C.I. Advanced practice evaluation and management of clients in urgent care settings. Occasional.

NGR 5141 CON-NURS 3(3,0) Pathophysiological Bases for Advanced Nursing Practice: PR: or CR: NGR 5141 or equivalent. Critical examination of the physiological and pathophysiological mechanisms affecting individuals. May be used in the degree program a maximum of 2 times. Fall, Spring.

NGR 5190 CON-NURS 3(3,0) Core Clinical Concepts for Nurse Educators: PR: Admission to the Graduate Nursing Program or C.I. NGR 5141 or equivalent. Integrate concepts of Pharmacology and Health Assessment. Provides the foundation for the Advanced Nursing Practice within the Nurse Educator role. Fall, Spring.

NGR 5638 CON-NURS 3(3,0) Health Promotion: PR: Admission to M. S. in Nursing or Doctor of Nursing Practice or C.I. Exploration and analysis of concepts, theories, research evidence, clinical assessment and interventions for health promotion and wellness. May be used in the degree program a maximum of 2 times. Fall, Spring.

NGR 5660 CON-NURS 3(3,0) Health Disparities: Issues and Strategies: PR: Graduate standing. Examine and analyze the utilization, services, outcomes, and status for different U.S. populations: data, research, programmatic issues, and strategies to close the gaps. May be used in the degree program a maximum of 2 times. Occasional.
NUR 5690 CON-NURS 3(3,0) Interdisciplinary Care at End-of-Life: PR: Graduate standing; successful completion of interprofessional roles and strategies for enabling patients, families, and caregivers to approach end-of-life care from avoidable distress and suffering. May be used in the degree program a maximum of 2 times. Fall.

NUR 5720 CON-NURS 3(3,0) Organizational Dynamics in Nursing: PR: Baccalaureate degree in Nursing or C.I. Analysis of organizational theories related to health care organizations and the use of leadership, communication and power to influence health care delivery and policy. May be used in the degree program a maximum of 2 times. Fall.

NUR 5800 CON-NURS 3(3,0) Theory for Advanced Practice Nursing: PR: Baccalaureate degree in Nursing or C.I. Conceptual and theoretical bases of nursing practice and research with emphasis on scholarly writing and critique. May be used in the degree program a maximum of 2 times. Fall, Spring.

NUR 5871 CON-NURS 3(3,0) Health Care Informatics: PR: Baccalaureate degree in Nursing or C.I. Use of information systems, clinical data management, communication strategies, and decision-making models. May be used in the degree program a maximum of 2 times. Fall.

NUR 5884 CON-NURS 3(3,0) Legal and Professional Behavior in Advanced Practice Nursing: PR: Graduate standing and admission to the M.S. in Nursing or Doctor of Nursing Practice program. Examination of legal, ethical, cultural, and political issues related to professional advanced practice nursing. May be used in the degree program a maximum of 2 times. Fall, Spring.

NUR 5894C CON-NURS 3(2,1) International Perspectives of Global Health: PR: Graduate standing or C.I. An analysis of global health in comparison with that of USA and other nation’s health care systems. Occasional.

NUR 1800 CON-NURS 3(3,0) Nursing as a Profession: Professional nursing roles in contemporary society covering a range of topics using discourse methodology that forms a foundation for nursing and health care. Fall, Spring.

NUR 4335 CON-NURS 3(3,0) Nursing Care of the High-Risk Newborn: PR: Admission to BSN program; successful completion of NUR 3445 & NUR 3445L, or C.I. for RN-BSN students. In-depth study of pathophysiology, management and nursing care of high risk newborn, emphasizing care of the neonate and factors contributing to outcomes related to morbidity and mortality. Occasional.

NUR 4425 CON-NURS 3(3,0) Women’s Health Issues: PR: Junior standing or C.I. Factors and conditions impacting the health of women. May be repeated for credit. Occasional.

NUR 4455 CON-NURS 3(3,0) Emergency Department Nursing: PR: Completion of the pharmacology and pathophysiology components of the student’s current nursing program curriculum, and NUR 3225 or RN License/Eligibility or C.I. An overview of Emergency Department Nursing. Topics include scopes of practice, laws, economics, nursing care and management of emerging physiologic conditions in the emergency department setting. Occasional.

NUR 4550 CON-NURS 3(3,0) Family and Interpersonal Violence: Perspectives for Nurses: PR: Admission to a BSN program or C.I. Family and interpersonal violence education to include effective nursing responses including: history, categories, cycles, laws, intervention, nursing resources, protocols and resources. Occasional.

NUR 4685 CON-NURS 3(3,0) Death & Dying: Nursing Considerations: PR: Admission to BSN Program or C.I. An in-depth look at issues encountered in nursing practice related to the process of death, dying, and end of life. Occasional.

NUR 4695 CON-NURS 3(3,0) Forensic Nursing Principles and Practice: PR: Admission to BSN program; successful completion of all courses in the first semester of the nursing curriculum, and concurrent enrollment in NUR 3225; NUR 3445; NUR 3445L. Integrate biopsychosocial models of nursing practice for individuals experiencing health risks, short-term illness, or chronic health problems. Graded S/U. Fall, Spring. M&S fee $40.00

NUR 3028 CON-NURS 3(3,0) Essentials of Nursing Practice: PR: Admission to BSN program; NUR 3065 and NUR 3065L. Apply nursing process and core scientific principles to technical psychomotor nursing skills. Integrate evidence-based principles and nursing process to clients in long-term care. Fall, Spring.

NUR 3028L CON-NURS 2(0,2) Essentials of Nursing Practice Lab: PR: Admission to BSN program. CR: NUR 3028; NUR 3065 and NUR 3065L Lab to learn and apply scientific and evidence-based principles as they relate to technical psychomotor nursing skills. Graded S/U. Fall, Spring. M&S fee $30.00

NUR 3065 CON-NURS 2(0,2) Health Assessment: PR: or CR: NUR 3065L and Admission to BSN program, or C.I. Concepts of health assessment of clients. Fall, Spring.

NUR 3065L CON-NURS 1(0,1) Health Assessment Lab: CR: NUR 3065 and admission to BSN program. C.I. Clinical application of concepts and techniques of health assessment of clients. Fall, Spring. M&S fee $16.00

NUR 3125 CON-NURS 3(3,0) Pathophysiology for Nursing Practice: PR: Admission to BSN program. Concepts and nursing care applications of the pathophysiological basis of illness. Fall, Spring.

NUR 3145 CON-NURS 3(3,0) Pharmacology for Nursing Practice: PR: Admission to BSN program. CR: NUR 3225 and NUR 3225L. Principles of pharmacology and application to nursing practice. Fall, Spring.

NUR 3165 CON-NURS 3(3,0) Nursing Research: PR: Admission to BSN program and successful completion of first semester or C.I. Nursing research as a basis for nursing practice. Selected experiences in investigating, analyzing, and interpreting nursing research for nursing practice. Spring, Fall.

NUR 3165H CON-NURS 3(3,0) Honors Nursing Research: PR: Permission of honors; Admission to BSN program and successful completion of first semester or C.I. Nursing research as a basis for nursing practice. Selected experiences in investigating, analyzing, and interpreting research for nursing practice. With Honors consent. Occasional.

NUR 3167 CON-NURS 1(2,0) Accelerated Nursing Research Seminar: PR: Admission to BSN program, previous undergraduate or graduate research course with approval from the CON or C.I. Accelerated study of systematic approaches to problematic situations in nursing. Selected experiences in investigating, analyzing, and interpreting nursing research and nursing issues. Spring.

NUR 3225 CON-NURS 3(3,0) Nursing Care of the Adult I: Clinical Practice: PR: Admission to BSN program, successful completion of all courses in the first semester of the nursing curriculum, and concurrent enrollment in NUR 3225L; NUR 3145; NUR 3445; NUR 3445L. Integrate biopsychosocial models of nursing practice for individuals and families experiencing health risks, short-term illness or chronic health problems. Fall, Spring.

NUR 3225L CON-NURS 2(0,6) Nursing Care of the Adult I: Clinical Practice Lab: PR: Admission to BSN program; successful completion of all courses in the first semester of the nursing curriculum, and concurrent enrollment in NUR 3225; NUR 3225L; NUR 3315; NUR 3445L. Clinical experience applying biopsychosocial models of nursing practice for clients experiencing health risks, short-term illness, or chronic health problems. Graded S/U. Fall, Spring. M&S fee $40.00

NUR 3445 CON-NURS 4(4,0) Nursing Care of Families: PR: Admission to BSN program; successful completion of all courses in the first semester of the nursing curriculum, and concurrent enrollment in NUR 3225; NUR 3225L; NUR 3315; NUR 3445L. Concepts of family nursing as they relate to health promotion, maintenance of high risk newborn, and concurrent enrollment in NUR 3225; NUR 3225L; NUR 3315; NUR 3445. Nursing practice to address health promotion, maintenance and illness management needs of childbearing and childbearing families. Fall, Spring.

NUR 3445L CON-NURS 2(0,6) Nursing Care of Families Clinical: PR: Admission to BSN program, successful completion of the first semester in the nursing curriculum, and concurrent enrollment in NUR 3225; NUR 3225L; NUR 3315; NUR 3445. Nursing practice to address health promotion, maintenance and illness management needs of childbearing and childbearing families. Graded S/U. Fall. M&S fee $20.00

NUR 3616 CON-NURS 2(2,0) Health Promotion Across the Lifespan: PR: Admission to BSN program and C.I. NUR 3616L. The concepts of health promotion and prevention for individuals and families living in the community across the lifespan. Fall, Spring.

NUR 3616L CON-NURS 1(1,0) Health Promotion Across the Lifespan Clinical: PR: Admission to BSN program and C.I. NUR 3616L. Clinical concepts of community health nursing practice across the community as client and levels of prevention across the lifespan. Fall, Spring.

NUR 3634 CON-NURS 3(3,0) Community Health Nursing: PR: Admission to BSN program. CR: NUR 3634L. Concepts of community health nursing focusing on community as client and levels of prevention across the lifespan. Occasional.

NUR 3634L CON-NURS 2(0,6) Community Health Nursing Clinical: PR: Admission to BSN program. CR: NUR 3634L. Concepts of community health nursing focusing on community as client and levels of prevention across the lifespan. Fall, Spring.

NUR 3755L CON-NURS 2(0,6) Essentials of Nursing Practice Clinical: PR: Admission to BSN program. CR: NUR 3228 and NUR 3028L, NUR 3065 and NUR 3065L. Application of the nursing process, scientific and evidence-based principles and nursing care applications of the pathophysiological basis of illness. Fall, Spring.

NUR 3805 CON-NURS 3(3,0) Principles of Oncology Nursing: PR: Admission to BSN program or C.I. Basic principles and concepts in oncology. Focus on cancer as it affects individuals and families. Emphasis on cancer treatment, symptoms management and psychosocial response. Occasional.

NUR 3806 CON-NURS 1(1,0) Professional Socialization Seminar: PR: Admission to BSN program or C.I. Application of library utilization and professional writing skills, critical thinking and stress management principles to the beginning role of the professional nurse. Fall, Spring.

NUR 3816 CON-NURS 1(1,0) Professional Nurse Seminar: PR: Admission to the BSN program. CR: NUR 3225. The role and function of the professional nurse including professional standards, ethics, and legal and practice issues. Fall, Spring.

NUR 3825 CON-NURS 2(2,0) The Role of the Professional Nurse: PR: Admission to BSN program. Examination of the role and function of the professional nurse, including professional standards, ethics, law and practice issues. Occasional.

NUR 3850 CON-NURS 2(2,0) Honors The Role of the Professional Nurse: PR: Admission to BSN program. Permission of honors. Role and function of the professional nurse, including professional standards, legal and practice issues with honors consent. Occasional.
NUR 3826 CON-NURS 3(3,0) Bioethics in Nursing: PR: PSY 2012, SYG 2000, or PHI 2010, or C.I. An examination of human values and bioethics of situations arising in health care as they relate to nursing. Occasional.


NUR 3936 CON-NURS 3(2,2) International Perspectives of Nursing and Health Care: PR: Permission of Honors. Comparative analysis of professional nursing practice and health care systems in the United States and selected countries. May be repeated for credit. Occasional.

NUR 4177 CON-NURS 3(3,0) Holistic Nursing: PR: Admission to BSN program or C.I. Explores lived experience of health-wellness, illness-disease focusing on mind-body-spirit, transpersonal healing and complementary interventions to maximize nursing care outcomes. Occasional.

NUR 4178 CON-NURS 3(3,0) Complementary Therapies: Options for Integrative Nursing Practice: PR: Junior or senior undergraduate standing in nursing, or C.I. History, principles, techniques, outcomes, and research of complementary and integrative health. Concepts of wellness, healing and integrative practice from nursing and consumer perspectives. Occasional.

NUR 4197 CON-NURS 3(3,0) Genetics and Genomics in Nursing Practice: PR: Admission to BSN program or C.I. The application of genetic and genomic principles to clinical nursing practice. Occasional.

NUR 4227 CON-NURS 4(4,0) Nursing Care of the Adult II: PR: Admission to the BSN program, successful completion of the first two semesters in the nursing curriculum. CR: NUR 4227L, or C.I. Nursing care of clients and their families experiencing acute, unstable, or life-threatening health problems. Fall, Spring.

NUR 4227L CON-NURS 3(0,3) Nursing Care of the Adult II: Clinical Practice: PR: Admission to BSN program; successful completion of the first three semesters in the nursing curriculum. CR: NUR 4227, or C.I. Clinical practice in acute health care settings with clients experiencing acute, unstable, surgical, or life-threatening health conditions. Graded S/U. Fall, Spring.

NUR 4257 CON-NURS 3(3,0) Introduction to Critical Care Nursing: PR: Admission to BSN program; successful completion of NUR 4227 and NUR 4227L or C.I. Theories and principles of comprehensive nursing care of individuals and families in critical care settings. Fall, Spring.

NUR 4286 CON-NURS 3(3,0) Gerontologic Nursing: PR: Admission to BSN program or C.I. Theories and principles related to the promotion, maintenance, and restoration of health in older adults in various settings. Occasional.

NUR 4340 CON-NURS 3(3,0) Obesity in Children and Adolescents: Nursing Management: PR: Permission of Honors. Examines multiple factors that predispose children and adolescents to obesity; explores nursing management and public health and policy strategies for prevention and treatment. Occasional.

NUR 4493 CON-NURS 3(3,0) Perinatal Loss and Grief: Nursing Interventions: PR: Admission to BSN Program or C.I. Nursing interventions for individuals and families experiencing perinatal loss and grief. Occasional.


NUR 4535 CON-NURS 3(3,0) Psychiatric Mental Health Nursing: PR: Admission to BSN program. CR: NUR 4535L. Nursing in the promotion of mental health and the prevention, treatment, and rehabilitation of mental illness. Fall, Spring.


NUR 4604L CON-NURS 4(0,12) Practicum in Community and Public Health Nursing for RNs: PR: Admission to BSN program. Synthesis of learning; application of concepts incorporated throughout the curriculum, applied in the community health and public health nursing setting, and directed toward professional role development. Graded S/U. Fall, Spring.

NUR 4637 CON-NURS 3(3,0) Public and Community Health Nursing: PR: Admission to the BSN program. Concepts of public health nursing focusing on population-based health care delivery systems. Fall, Spring.

NUR 4637L CON-NURS 1(0,3) Public Health Nursing Clinical: PR: To the BSN program. CR: NUR 4637. Clinical Course to apply concepts of public health nursing. Students will apply findings of community assessment completed in NUR 4637 Public Health Nursing. Graded S/U. Fall, Spring.

NUR 4675 CON-NURS 3(3,0) Issues in Rural Health Care: PR: Admission to BSN program or C.I. The rural environment and appropriate health care services and programs for rural populations. Occasional.

NUR 4760 CON-NURS 3(3,0) Principles of Pain Management: PR: Admission to BSN program or C.I. Principles of pain and pain management across the lifespan from neonates to the elderly, including practices across healthcare settings, from acute care to home care. Occasional.

NUR 4765 CON-NURS 3(3,0) Rehabilitation Nursing: Principles and Practice: PR: Admission to BSN program or C.I. Rehabilitation principles are the practices that may be incorporated into any healthcare setting and applied to clients of all age groups. Occasional.

NUR 4828 CON-NURS 3(3,0) Nursing Leadership, Management and Role Transition: PR: Admission to BSN program or C.I. Professional development and role transition of baccalaureate graduates entering professional nursing practice focusing on principles of leadership and management applied to health care settings. Fall, Spring.

NUR 4828S CON-NURS 3(3,0) Honors Leadership, Management and Role Transition: PR: Admission to the BSN program; admission to the Honors or Honors in the major program or C.I. Application of leadership and management principles to the beginning role of the professional nurse with honors content. Spring.

NUR 4829 CON-NURS 3(3,0) Accelerated Transitioning into Professional Practice as a Leader: PR: Admission to BSN program or C.I. NUR 4845, or C.I. Application of leadership and management principles to the beginning role of the professional nurse. Occasional.

NUR 4837 CON-NURS 3(3,0) Health Care Issues, Policy, and Economics: PR: Admission to BSN program or C.I. Study of selected health care policy issues relevant to the financing, organization, and delivery of nursing services to populations in the community Fall, Spring.

NUR 4837H CON-NURS 3(3,0) Honors Health Care Issues, Policy, and Economics: PR: Admission to BSN program; or C.I. Study of selected health care policy issues relevant to the financing, organization, and delivery of nursing services to populations in the community with honors content. Occasional.

NUR 4906 CON-NURS VAR(VAR,VAR) Independent Study: Directed Study, Graded S/U or Letter grade. May be repeated for credit. Occasional.

NUR 4907H CON-NURS 3(3,0) Honors Directed Reading/Research: PR: Permission of Honors and admission to major. The student will review and synthesize literature on a selected topic in preparation for the Honors Thesis or Project. Graded S/U or Letter grade. Occasional.

NUR 4942L CON-NURS 3(0,3) Nursing Practicum for International Students: PR C.I. In-depth study of clinical nursing practice for international students. Graded S/U. May be used in the degree program a maximum of 2 times. Occasional.

NUR 4945L CON-NURS 4(0,4) Nursing Practicum: PR: Admission to the BSN program and successful completion of all previous clinical courses on plan of study; or C.I. Designed to enhance student’s knowledge and expertise in an area of nursing practice chosen by the student and school of nursing faculty. Graded S/U. Spring.

NUR 4971H CON-NURS 1-3(1-3,0) Honors Thesis or Project Works: PR: Permission of Honors. Faculty mentoring through the process of writing and defending the Honors Thesis or Project. May be taken the second time for 1-3 credit hours. May be used in the degree program a maximum of 2 times. Occasional.

OCE 3008 CON-Biol 3(0,3) Oceography: PR: CHM 2245C and CHM 2245 and a "C" (2.0) or better in BSC 2101C. Biological, physical and chemical oceanography. Occasional.


OCE 3490 OPT-OPT 3(3,0) Nanophotonics: PR: PHY 2049C or C.I. Optical/photonic processes on nano scale and interactions with elements of physics & engineering. Occasional.


OCE 4410 OPT-OPT 3(3,0) Optoelectronics: CR: OSE 3307C, OSE 3052. Introduction to the principles and design of semiconductor optoelectronic devices including photodiodes, solar cells, light-emitting diodes, laser diodes, and CCDs. Applications include photovoltaics, displays, imaging. Spring.

OCE 4410L OPT-OPT 3(0,3) Optoelectronics Laboratory: CR: OSE 4410. Experiments in the basics of semiconductor optoelectronic devices including photodiodes, light-emitting diodes, laser diodes, and CCDs. Applications include solar cells, displays, photodetection, and optical communications. Spring. M&S fee $18.00
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>OSE 4470</td>
<td>Fiber-Optic Communications</td>
<td>3(3,0)</td>
<td>Introduction to the principles and design of fiber-optic communication systems including the integrated-optic and optoelectronic devices used in transmitters and receivers. Fall.</td>
</tr>
<tr>
<td>OSE 4470L</td>
<td>Fiber-Optic Communications Laboratory</td>
<td>1(0,3)</td>
<td>CR: OSE 4470L. Focuses on the application of fiber-optic communications in various optical systems. Autumn.</td>
</tr>
<tr>
<td>OSE 4520</td>
<td>Laser Engineering</td>
<td>3(3,0)</td>
<td>Focuses on the mathematical models of two- and three-dimensional imaging systems including gazing, scanning, interferometric, tomographic, and hyperspectral systems. Applications to remote sensing, biology, and medicine. Fall.</td>
</tr>
<tr>
<td>OSE 4830</td>
<td>Imaging and Display</td>
<td>3(3,0)</td>
<td>Laboratory experiments introducing imaging systems. 2D and 3D imaging systems. Exercises on image processing and interpretation. Spring.</td>
</tr>
<tr>
<td>OSE 4830L</td>
<td>Imaging and Display Laboratory</td>
<td>1(0,3)</td>
<td>CR: OSE 4830L. Focuses on the application of imaging systems in various optical systems. Autumn.</td>
</tr>
<tr>
<td>OSE 4951</td>
<td>Senior Design I</td>
<td>3(3,0)</td>
<td>Senior Design I: CR: OSE 3053 and OSE 4520; CR: OSE 4410 and OSE 4470; CR: OSE 4100; CR: OSE 4470; CR: OSE 4520; CR: OSE 4410. Focuses on the technical, communication, and team skills for successful design of optical and photonics systems. Preparation of project proposals for Senior Design II. Fall.</td>
</tr>
<tr>
<td>OSE 4952</td>
<td>Senior Design II</td>
<td>3(3,0)</td>
<td>Senior Design II: CR: OSE 4951. Focuses on the execution of project developed in OSE 4951, including complete project design review, presentation, technical report, research paper, and final report. Emphasis on team effort. Spring.</td>
</tr>
<tr>
<td>OSE 5041</td>
<td>Introduction to Wave Optics</td>
<td>3(3,0)</td>
<td>Focuses on the mathematical foundation of light waves as applied to reflection, diffraction, interference, polarization, coherence, and guided waves. Autumn.</td>
</tr>
<tr>
<td>OSE 5115</td>
<td>Interference and Diffraction</td>
<td>3(3,0)</td>
<td>Focuses on the principles of interference and diffraction, including interference of light, optical interferometry, Fraunhofer and Fresnel diffractive optics, diffraction gratings, temporal coherence, spatial coherence, and partial coherence. Fall/Spring.</td>
</tr>
<tr>
<td>OSE 5203</td>
<td>Geometrical Optics</td>
<td>3(3,0)</td>
<td>Focuses on the principles of geometrical optics, including ray tracing, lens design, and the behavior of light in optical systems. Fall/Spring.</td>
</tr>
<tr>
<td>OSE 5312</td>
<td>Light Matter Interaction</td>
<td>3(3,0)</td>
<td>Focuses on the principles of light interaction with matter, including absorption, dispersion, emission, and scattering. Fall/Spring.</td>
</tr>
<tr>
<td>OSE 5313</td>
<td>Materials for Optical Systems</td>
<td>3(3,0)</td>
<td>Focuses on the principles of materials used in optical systems, including high-index materials, optical fibers, and semiconductor devices. Fall/Spring.</td>
</tr>
<tr>
<td>OSE 5630C</td>
<td>Thin Film Optics</td>
<td>3(1,2)</td>
<td>Focuses on the principles of thin film optics and their applications in optical, electro-optical, and laser systems. Autumn.</td>
</tr>
<tr>
<td>PAD 3003</td>
<td>Public Administration and Nonprofit Sector: Fundamentals of Optoelectronic Devices</td>
<td>3(3,0)</td>
<td>Focuses on the principles of public administration, leadership, and management. Focuses on the principles of fundraising, budgeting, and management. Fall/Spring.</td>
</tr>
<tr>
<td>PAD 3040</td>
<td>Ethics and Values in Public Administration</td>
<td>3(3,0)</td>
<td>Focuses on the ethical and values-based practices in public administration. Focuses on the principles of ethics and values in public administration. Fall/Spring.</td>
</tr>
<tr>
<td>PAD 3330</td>
<td>Urban and Regional Planning</td>
<td>3(3,0)</td>
<td>Focuses on the principles of urban and regional planning, including the principles of urban and regional planning and their applications. Fall/Spring.</td>
</tr>
<tr>
<td>PAD 3733</td>
<td>Professional Administrative Writing in the Public Sector</td>
<td>3(3,0)</td>
<td>Focuses on the principles of professional administrative writing in the public sector, including budgeting, planning, and communication. Fall/Spring.</td>
</tr>
<tr>
<td>PAD 3930</td>
<td>Nonprofit Leadership Seminar</td>
<td>1(0,0)</td>
<td>Focuses on the principles of nonprofit leadership, including the principles of nonprofit management and leadership. Spring.</td>
</tr>
<tr>
<td>PAD 4034</td>
<td>The Administration of Public Policy</td>
<td>3(3,0)</td>
<td>Focuses on the principles of public policy administration, including the principles of public policy administration and leadership. Fall/Spring.</td>
</tr>
</tbody>
</table>

**University of Central Florida**

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PAD 4331 HPA-PUB 3(3,0) Land Use and Planning: PR: Junior standing and Public Administration major or Urban and Regional Planning minor, or C.I. The study of land use and planning to include zoning variances, non-conformities, development agreements, subdivision controls, redevelopment and sprawl. Fall.

PAD 4334 HPA-PUB 3(3,0) Urban Design: PR: Junior standing and Public Administration major or Urban and Regional Planning minor, or C.I. Theories and concepts of the physical, cultural, social and financial factors associated with urban design. Spring.

PAD 4351 HPA-PUB 3(3,0) Issues in Environmental Program Management: PR: Junior standing and Public Administration major or Urban and Regional Planning minor, or Interdisciplinary Studies Environmental Studies Track major, or Environmental Studies minor, or Energy and Sustainability minor, or C.I. The study of environmental policy making processes, programs, and problems through lectures, field study, and research projects. Spring.

PAD 4371 HPA-PUB 3(3,0) Community Resiliency & Sustainability: PR: ENC 1101 or C.I. Emphasis on the role of community resiliency & sustainability specific to emergency & crisis management. Includes coverage of public policy & management, urban planning & development, and community ecology. Spring.

PAD 4380 HPA-PUB 3(3,0) Hazard Mitigation and Preparedness: PR: Junior standing and Public Administration major or Emergency Management and Homeland Security minor or Urban and Regional Planning minor, or C.I. Specialized knowledge and skills necessary to develop a proactive hazard mitigation plan to reduce the effects of natural and technological disasters. Fall.

PAD 4392 HPA-PUB 3(3,0) Emergency Management and Homeland Security: PR: Junior standing and Public Administration major or Emergency Management and Homeland Security minor or Urban and Regional Planning minor, or C.I. After a public emergency, a variety of services must be provided to the victims. This course reviews and analyzes coordination and management of these services. Fall.

PAD 4395 HPA-PUB 3(3,0) Disaster Response and Recovery: PR: Junior standing and Public Administration major or Emergency Management and Homeland Security minor or Urban and Regional Planning minor, or C.I. Individual, group, organizations and community behavior and recovery from disasters. Service delivery strategies are highlighted and complex dynamics of the recovery process are emphasized. Spring.

PAD 4414 HPA-PUB 3(3,0) Human Resource Administration: PR: Either a Public Administration major with a "C" or better in PAD 3033 and PAD 3733 and in all PAD program prerequisites courses, or Public Administration minor with a "C" (2.0) or better in PAD 3033 and PAD 3733, or Nonprofit Management minor, or C.I. The history, operating components, structural characteristics, and increasing impact of laws and related sanctions on personnel practices of public agencies. Fall, Spring.

PAD 4446 HPA-PUB 3(3,0) Multiculturalism in Public Administration: PR: CHSPA major or minor, and Junior standing, or C.I. This course is designed to help public managers examine public and personal attitudes and values, ethical dilemmas, and social consequences related to issues of diversity. Occasional.

PAD 4712 HPA-PUB 3(3,0) Information Systems for Public Managers and Planners: PR: Junior standing and Public Administration major or Emergency Management and Homeland Security minor or Urban and Regional Planning minor, or C.I. Knowledge and skills concerning information technologies important for planners and public managers, including use of GIS to manipulate and analyze spatial data. Fall.

PAD 4720 HPA-PUB 3(3,0) Survey Research in Public Administration: PR: Either a Public Administration major with a "C" (2.0) or better in PAD 3033 and PAD 3733 and in all PAD program prerequisites courses, or Public Administration minor with a "C" (2.0) or better in PAD 3033 and PAD 3733, or Introduction to research design, methods to operationalize research in the public sector. Fall, Spring.

PAD 4803 HPA-PUB 3(3,0) Issues in Urban Administration: PR: Junior standing and Public Administration major or Urban and Regional Planning minor, or C.I. To provide students with an understanding of public policy and administrative responses to socioeconomic problems within the urban context. Occasional.

PAD 4822 HPA-PUB 3(3,0) Intergovernmental Administration: PR: Junior standing and Public Administration major or Emergency Management and Homeland Security minor or Urban and Regional Planning minor, or C.I. Various approaches to studying and explaining the American intergovernmental system. Emphasis on interorganizational activities, i.e., negotiation, cooperation, and coordination within the legal setting. Fall.

PAD 4941 HPA-PUB 3(12,3-12) Public Administration Internship: PR: Junior Standing and Public Administration major in the Public Administration program. Internship in municipal, county, state, or federal government, including assignments in such fields as personnel, budget, and fiscal, procurement, and public safety. Fall, Spring.

PAD 4948 HPA-PUB 3(2,0) Nonprofit Management Internship: PR: Junior standing; and enrollment in nonprofit minor, and PR or CR: one credit hour of PAD 3930. Supervised internship for students in the Nonprofit Leadership Alliance program. Requires minimum of 300 hours placement in a nonprofit human services organization. May be used in the degree program a maximum of 2 times. Fall, Spring.

PAD 5041 HPA-PUB 3(3,0) Ethics and Values in Public Administration: Examination of ethics in the public sector. Public concerns, past patterns, and individual/social aspects of ethical behavior are explored. Occasional.

PAD 5145 HPA-PUB 3(3,0) Volunteerism in Nonprofit Management: PR: Admission to Master of Nonprofit Management degree, Nonprofit certificate or C.I. Volunteer development and management responding to funding assistance solicitations and grant and contract preparation, evaluation, and presentation. Fall, Spring.

PAD 5336 HPA-PUB 3(3,0) Introduction to Urban Planning: PR: Admission to Master of Science in Urban and Regional Planning, or Master of Public Administration, or Master of Nonprofit Management, or Certificate in Emergency Management and Homeland Security, or Certificate in Urban and Regional Planning, or C.I. Examination of the skills needed to resolve disputes in the public sector through facilitation, mediation, and other alternative methods. Occasional.

PAD 5338 HPA-PUB 3(3,0) Land Use and Planning Law: PR: Admission to Master of Science in Urban and Regional Planning, or Master of Public Administration, or Master of Nonprofit Management, or Certificate in Emergency Management and Homeland Security, or Certificate in Urban and Regional Planning, or C.I. Review of national and local aspects of the legal underpinnings of urban planning aspects such as zoning, growth management, and environmental regulation. Spring.

PAD 5356 HPA-PUB 3(3,0) Managing Community and Economic Development: PR: Admission to Master of Science in Urban and Regional Planning, or Master of Public Administration, or Master of Nonprofit Management, or Certificate in Emergency Management and Homeland Security, or Certificate in Urban and Regional Planning, or C.I. Overview of economic development activities focusing on policy and managerial issues at the local level. Spring.

PAD 5425 HPA-PUB 3(3,0) Dispute Resolution in the Public Sector: An examination of the skills needed to resolve disputes in the public sector through facilitation, mediation, and other alternative methods. Occasional.

PAD 5427 HPA-PUB 3(3,0) Labor Relations in the Public Sector: Current trends and developments in employment relations in the public sector, especially employee organization, negotiations, and the collective bargaining process. Occasional.

PAD 5807 HPA-PUB 3(3,0) Local Government Operations: Operational structures, functions, and roles of local governments and the role of the chief executive officer. Occasional.

PAD 5850 HPA-PUB 3(3,0) Grant and Contract Management: PR: Admission to the Master of Nonprofit Management, or Master of Research Administration, Certificate in Nonprofit Management, Certificate in Fundraising, or Certificate in Emergency Management and Homeland Security, Certificate in Public Administration, or Certificate in Fundraising, or C.I. Study of government or public nonprofit agency grant and contract administration and management responding to funding assistance solicitations and grant and contract preparation, evaluation, and presentation. Fall, Spring.

PAD 5855 HPA-PUB 3(3,0) Introduction to Public Procurement: PR: Admission to Master of Science in Public Administration, or Master of Nonprofit Management, or C.I. Acquisition of knowledge and skills relating to the public procurement process. Occasional.

PAF 2102 HPA-HPA 2(2,0) Public Affairs Careers: Introduction and examination of public affairs programs and career opportunities that will prepare students for future careers. Fall.


PAF 4754 HPA-PUB 3(3,0) Interdisciplinary Leadership in Public Affairs: PR: Certificate in Nonprofit Management, or C.I. Introduction to public affairs leadership in social and economic development, social justice, transnational and interdisciplinary partnerships, and social change. Occasional.

PAZ 4234 COS-BIOL 3(3,0) Zoo and Aquarium Management: PR: A "C" (2.0) or better in both PAD 3034 and PCB 3863, or C.I. Zoo and Aquarium Management, or Certificate in Conservation Biology, Certificate in Conservation Biology, PSM in Conservation Biology, Conservation, or C.I. Conservation, propagation and exhibition of wild animals in captivity. Occasional.

PAZ 5235 COS-BIOL 3(3,0) Zoo and Aquarium Biology Management: PR: Admission to the M.S. in Biology, PSM in Conservation Biology, Certificate in Conservation Biology, PSM in Conservation Biology, Conservation, or C.I. Conservation, propagation and exhibition of wild animals in captivity. Occasional.
Occasional teach, present, read journal articles, and work on a research practicum in a molecular biology laboratory where students grade of B (3.0) or better in Genetics (PCB 3063 or Disease Ecology & Ecoimmunology: Odd Spring. readings from primary literature. methods used in the study of marine communities in central in Conservation Biology, or C.I. Survey of experimental energetics, nutrient cycling, community structure and will be discussed to include geography, geology, climate, and endangered species. conservation of ecosystems, populations, exploited species, and endangered species. Fall. Molecular Immunology: PR: PCB 3020C or equivalent. Fundamental functions of the human immune system, focusing on cellular and molecular aspects of the innate and adaptive immune response. Fall. Cancer Biology: PR: PCB 4524 and graduate standing. Current knowledge and research on molecular mechanisms of tumor development, tumor progression, metastasis and therapy of cancer. Occasional. Molecular Immunology: PR: PCB 3233 , PCB 4280. Advanced topics in immune system dysregulation with special emphasis on innate immune response. Spring. Stem Cell Biology: PR: Graduate standing. Introduction to embryonic and adult stem cells, procedures to isolate them, principles and applications of stem cells in animal and human diseases. Occasional. Signal Transduction Mechanisms: PR: PCB 3522 and PCB 4524. A course emphasizing various signal transduction cascades used in mammalian cells to control growth and differentiation. Discussion of original research papers will occur. Occasional. Ecosystems of Florida: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Ecosystems of Florida will be discussed to include geography, geology, climate, energetics, nutrient cycling, community structure and conservation. Occasional. M.S. & fee $15.00. Marine Ecology of Florida: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Survey of experimental methods used in the study of marine communities in central and southern Florida, combining field manipulation and readings from primary literature. Odd Spring. Disease Ecology & Ecolimiology: PR: A grade of B (3.0) or better in Genetics (PCB 3063) or equivalent and Ecology (PCB 3044 or equivalent), or C.I., or graduate standing. Examination of how hosts, parasites and environment interact to shape organisms, populations and communities. Occasional.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Semester</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEM 2405</td>
<td>ED-E&amp;HS</td>
<td>3(1,2)</td>
<td>Self Defense for Women and Men: Designed to provide students with self defense skills. Fall,Spring.</td>
</tr>
<tr>
<td>PEM 2431</td>
<td>ED-E&amp;HS</td>
<td>2(2,0)</td>
<td>Beginning Judo: Study and application of basic skills, falling techniques, basic self-defense, terminology, philosophy and fitness training involved in the Olympic sport of Judo. Fall,Spring.</td>
</tr>
<tr>
<td>PEM 2432</td>
<td>ED-E&amp;HS</td>
<td>2(2,0)</td>
<td>Intermediate Judo: PR: PEM 2431 or C.I. Study and application of intermediate skills, body and strength conditioning, appropriate protocols and terminology involved in Judo training. Fall,Spring.</td>
</tr>
<tr>
<td>PEM 5408C</td>
<td>ED-CFCS</td>
<td>3(2,1)</td>
<td>Controlling Classroom Violence: PR: Graduate standing; certified teacher. A hands-on course dealing with controlling disruption and violence as well as how teachers can protect themselves. Occasional.</td>
</tr>
<tr>
<td>PEO 2011</td>
<td>ED-E&amp;HS</td>
<td>3(2,1)</td>
<td>Team Sports: This course is designed to develop skill proficiency and knowledge to plan, implement and evaluate team sports as part of the Physical Education program. Fall,Spring.</td>
</tr>
<tr>
<td>PEO 2031</td>
<td>ED-E&amp;HS</td>
<td>3(2,1)</td>
<td>Individual Sports: Skill proficiency and knowledge to plan, implement and evaluate individual sports. Fall,Spring.</td>
</tr>
<tr>
<td>PEO 2623C</td>
<td>ED-E&amp;HS</td>
<td>2(1,1)</td>
<td>Officiating Basketball: Skills, knowledge, and practical experience required to become an official in the sport of basketball. Occasional.</td>
</tr>
<tr>
<td>PEO 3041</td>
<td>ED-E&amp;HS</td>
<td>3(3,0)</td>
<td>Games Analysis: PR: Admission to Sport and Exercise Science program and minimum overall 2.5 GPA. Teaching methodology utilizing games for specific outcome behaviors in grades K-12. Fall,Spring.</td>
</tr>
<tr>
<td>PEM 3324</td>
<td>ED-E&amp;HS</td>
<td>3(2,1)</td>
<td>Coaching Volleyball: PR: Admission to Sport and Exercise Science program, Sport and Exercise Science Pending or Coaching Minor. Theory and methods of coaching volleyball, including the analysis of offensive and defensive alignment techniques and strategies. Spring.</td>
</tr>
<tr>
<td>PEO 3514C</td>
<td>ED-E&amp;HS</td>
<td>3(2,1)</td>
<td>Coaching Soccer: PR: Admission to the Sport and Exercise Science program, Sport and Exercise Science Pending or Coaching Minor. Theory and methods of coaching soccer, including the analysis of offensive and defensive techniques and strategies. Fall,Spring.</td>
</tr>
<tr>
<td>PEO 3624</td>
<td>ED-E&amp;HS</td>
<td>3(3,0)</td>
<td>Coaching Basketball: PR: Admission to the Sport and Exercise Science program, Sport and Exercise Science Pending or Coaching Minor. Theory and methods of coaching basketball, including the analysis of offensive and defensive techniques and strategies. Fall,Spring.</td>
</tr>
<tr>
<td>PEO 3644</td>
<td>ED-E&amp;HS</td>
<td>3(2,1)</td>
<td>Coaching Football: PR: Admission to the Sport and Exercise Science program, Sport and Exercise Science Pending or Coaching Minor. Theory and methods of coaching football, including the analysis of offensive and defensive techniques and strategies. Occasional.</td>
</tr>
<tr>
<td>PET 2081</td>
<td>ED-E&amp;HS</td>
<td>1(1,0)</td>
<td>Wellness, Children and Schools: Exploration and promotion of wellness for children in schools. Fall,Spring.</td>
</tr>
<tr>
<td>PET 3005</td>
<td>ED-E&amp;HS</td>
<td>3(3,0)</td>
<td>Introduction to Sport and Exercise Science: PR: Admission to Sport and Exercise Science Program or Sport and Exercise Science Pending or department consent. An introduction to sport and exercise science with emphasis in fitness, recreation, physical activity, and human performance. Fall,Spring.</td>
</tr>
<tr>
<td>PET 3097</td>
<td>ED-E&amp;HS</td>
<td>3(3,0)</td>
<td>Health and Wellness: PR: Admission to Sport and Exercise Science program or Sport and Exercise Science Pending. Explore wellness through science and the statistics of risk factors for mortality and morbidity. Students will interpret indicators, evaluate choices using assessment-intervention-reinforcement protocols. Fall,Spring.</td>
</tr>
<tr>
<td>PET 3125</td>
<td>ED-E&amp;HS</td>
<td>3(3,0)</td>
<td>Fitness and Weight Management: PR: Admission to Sport and Exercise Science program or Fitness Training Minor and minimum overall 2.5 GPA. Provides current and future professionals with the requisite knowledge of fitness and weight management research, theories, and practice. Fall,Spring.</td>
</tr>
<tr>
<td>PET 3137</td>
<td>ED-E&amp;HS</td>
<td>3(3,0)</td>
<td>Concepts and Practices in Sport and Exercise Science: PR: Admission to the Sport and Exercise Science program or C.I. Experience in experiences in Sport and Exercise Science program: concepts, practices, and science. Fall,Spring.</td>
</tr>
<tr>
<td>PET 3361</td>
<td>ED-E&amp;HS</td>
<td>3(3,0)</td>
<td>Nutrition and Metabolism in Sport and Exercise Science: PR: Admission to Sport and Exercise Science program, Sport and Exercise Science Pending or Coaching Minor and minimum overall 2.5 GPA. Study of nutrition with focus on the strategies designed to meet nutrient demands for physical activity, exercise, metabolism, and athletic performance in sport and exercise sciences. Fall,Spring.</td>
</tr>
<tr>
<td>PET 3510C</td>
<td>HPA-HP</td>
<td>3(2,1)</td>
<td>Physiologic &amp; Metabolic Basis of Human Movement &amp; Performance: PR: Admission to Athletic Training B.S. Program. Exercise physiology, drugs and performance enhancing substances, nutrition, fitness testing adaptations to exercise, biomechanics, psychology, and performance &amp; injury; each focusing on the key elements for the application of athletic training principles. Fall.</td>
</tr>
<tr>
<td>PET 3765</td>
<td>ED-E&amp;HS</td>
<td>3(3,0)</td>
<td>Coaching Theories: PR: Admission to Sport and Exercise Science program, Sport and Exercise Science Pending or Coaching Minor. Theories of coaching team and individual sports. Fall,Spring.</td>
</tr>
<tr>
<td>PET 3768</td>
<td>ED-E&amp;HS</td>
<td>3(3,0)</td>
<td>Group Exercise Instruction: PR: Admission to Sport and Exercise Science program or Fitness Training Minor and minimum overall 2.5 GPA. An in-depth study into group exercise instruction and fitness related concepts. Fall,Spring.</td>
</tr>
<tr>
<td>PET 3771</td>
<td>ED-E&amp;HS</td>
<td>3(3,0)</td>
<td>Strength and Conditioning Concepts: PR: Admission to the Sport and Exercise Science program or Fitness Training Minor and minimum overall 2.5 GPA. Integration of advanced components of muscular strength training and endurance conditioning for the sport and exercise professional. Fall,Spring.</td>
</tr>
<tr>
<td>PET 3820</td>
<td>ED-E&amp;HS</td>
<td>3(3,0)</td>
<td>Teaching Sports Skills I: PR: Admission to the Sport and Exercise Science Program, Sport and Exercise Science Pending or Coaching Minor. Skill proficiency and knowledge to plan, implement and evaluate sports and leisure activities in physical education programs. Fall,Spring.</td>
</tr>
<tr>
<td>PET 4050C</td>
<td>ED-E&amp;HS</td>
<td>3(2,1)</td>
<td>Motor Development and Learning: PR: Admission to Sport and Exercise Science program or Early Childhood Development program and minimum overall 2.5 GPA. An analysis of the theories and factors influencing the motor development of children and the learning of gross and fine motor skills. Fall,Spring.</td>
</tr>
<tr>
<td>PET 4083</td>
<td>ED-E&amp;HS</td>
<td>3(3,0)</td>
<td>Personal Training Methods: PR: Admission to the Sport and Exercise Science program or Fitness Training Minor and minimum overall 2.5 GPA. An in-depth study into personal training and fitness related concepts. Fall,Spring.</td>
</tr>
<tr>
<td>PET 4088</td>
<td>ED-E&amp;HS</td>
<td>3(3,0)</td>
<td>Physical Activity &amp; Preventive Medicine: PR: Admission to the Sport and Exercise Science program or Fitness Training Minor and minimum overall 2.5 GPA. An in-depth study into personal training and fitness related concepts. Fall,Spring.</td>
</tr>
<tr>
<td>PET 4143</td>
<td>ED-E&amp;HS</td>
<td>3(3,0)</td>
<td>Current Issues &amp; Trends in Sport and Exercise Science: PR: Admission to Sport and Exercise Science program and minimum overall 2.5 GPA. Examination of the current issues and trends encountered by professionals in sport and exercise science. Fall,Spring.</td>
</tr>
<tr>
<td>PET 4215</td>
<td>ED-E&amp;HS</td>
<td>3(3,0)</td>
<td>Motivational Aspects of Athletic Performance: PR: Admission to Sport and Exercise Science program, Sport and Exercise Science Pending or Coaching Minor and minimum overall 2.5 GPA. Theories of attitude, motivation, effort, mental focus, visualization, and an evaluation of techniques to enhance athlete performance. Fall,Spring.</td>
</tr>
<tr>
<td>PET 4312C</td>
<td>ED-E&amp;HS</td>
<td>2(2,1)</td>
<td>Kinesiology/Biomechanics: PR: Admission to the Sport and Exercise Science Program or Fitness Training Minor, BSC 2010C or equivalent, ZOO 3736C or ZOO 3733C or equivalent and minimum overall 2.5 GPA. The comprehension and application of anatomical and mechanical principles involved in human movement. Fall,Spring.</td>
</tr>
<tr>
<td>PET 4315C</td>
<td>HPA-HP</td>
<td>2(3,1)</td>
<td>Biomechanics of Sport: PR: HPH 2053C or HPH 2054C. An in-depth study and research of physiological and mechanical aspects of sports and injuries. Spring.</td>
</tr>
<tr>
<td>PET 4325</td>
<td>ED-E&amp;HS</td>
<td>3(3,0)</td>
<td>Functional Kinesiology for Sport and Exercise Science: PR: Admission to the Sport and Exercise Science Program or Fitness Training Minor, BSC 2010C or equivalent, ZOO 3736C or ZOO 3733C or equivalent and minimum overall 2.5 GPA. Study of functional anatomy and elementary biomechanics. Emphasis placed on analysis of skeletal, muscular and nervous systems and biomechanical factors associated with efficient motor development. Fall,Spring.</td>
</tr>
<tr>
<td>PET 4401</td>
<td>ED-E&amp;HS</td>
<td>3(2,1)</td>
<td>Administration and Evaluation in Sport and Exercise Science: PR: Admission to the Sport and Exercise Science Program and minimum overall 2.5 GPA. Addressing administrative, measurement and evaluation aspects of Sport and Fitness programs. Fall,Spring.</td>
</tr>
<tr>
<td>PET 4550C</td>
<td>ED-E&amp;HS</td>
<td>3(2,1)</td>
<td>Assessment and Evaluation in Exercise Science: PR: Admission to the Sport and Exercise Science Program or Fitness Training Minor, BSC 2010C or equivalent, ZOO 3736C or ZOO 3733C or equivalent, APK 4110C and minimum overall 2.5 GPA. A study and acquisition of health related knowledge, assessment strategies and related assessment techniques. Fall,Spring.</td>
</tr>
<tr>
<td>PET 4552</td>
<td>ED-E&amp;HS</td>
<td>3(2,0)</td>
<td>Exercise Prescription for Special Populations: PR: Admission to the Sport and Exercise Science Program or Fitness Training Minor, BSC 2010C or equivalent, ZOO 3736C or ZOO 3733C or equivalent, APK 4110C and minimum overall 2.5 GPA. Students integrate knowledge of exercise science, physiology, and fitness conditioning to develop exercises for populations dealing with aging, osteoporosis, diabetes, obesity, heart disease, and pregnancy. Fall,Spring.</td>
</tr>
<tr>
<td>PET 4606</td>
<td>HPA-HP</td>
<td>3(3,0)</td>
<td>Applied Fitness in Sport: PR: ZOO 3733C or ZOO 3736C and PCB 3702C. Applied knowledge of major and Health Sciences minors only. Physiological adaptations to exercise, biomechanics, psychology, performance enhancing substances, nutrition, fitness testing and exercise prescription, exercise techniques, exercise program design, advanced rehabilitation and administration. Spring.</td>
</tr>
<tr>
<td>PET 4710</td>
<td>ED-E&amp;HS</td>
<td>3(3,0)</td>
<td>Methods for Physical Activity for Children and Adolescents: PR: Admission to Sport and Exercise Science program and minimum overall 2.5 GPA. Develop effective instructional skills through planning, teaching, and assessment. Curricular and instructional considerations for physical activity in children and adolescents. Fall,Spring.</td>
</tr>
<tr>
<td>PET 4763</td>
<td>ED-E&amp;HS</td>
<td>3(3,0)</td>
<td>Coaching Methods And Principles: PR: Admission to Sport and Exercise Science program, Sport and Exercise Science Pending or Coaching Minor. Assist students in understanding and conceptually integrating teaching and learning methodologies with emphasis given to conditioning and leadership styles. Fall,Spring.</td>
</tr>
</tbody>
</table>
UCF Courses and Descriptions
PET 4901
ED-E&HS
3(3,0)
Capstone in Sport and Exercise Science: PR:
Senior standing in Sport and Exercise Science program,
minimum overall 2.5 GPA and Advisor Consent. Enhances
students’ oral and written presentation ability in issues and
topics related to sport and exercise science. Fall,Spring.

PGY 3472C
CAH-SVAD
3(2,4)
Photo Visualization: PR: PGY 2000 (offered through
Daytona State College) or equivalent. Analysis of visual
problems with an emphasis on communicating and applying
a theoretical language to photographic imagery. Occasional.
M&S fee $68.00

PGY 4420C
CAH-SVAD
3(2,3)
Advanced Photography: PR: ART 2201C, ART
2203C, ART 2300C, ART 2301C, PGY 3410C, and a
satisfactory portfolio review or C.I. Advanced photography
skills and portfolio development. Designed for art majors.
May be repeated for credit. Fall,Spring. M&S fee $49.00

PET 4925
ED-E&HS
6(0,16)
Sport and Fitness Practicum I: PR: Overall GPA of
2.5 and completion of 1/3 of the Sport and Fitness program
requirements. Field experience in a sport and fitness related
organization. Graded S/U. Fall,Spring.

PGY 3480
CAH-SVAD
3(3,0)
Museum and Gallery Practices: PR: PGY 3002
Contemporary Photography. The museum and gallery
environment focusing on the acquisition and display of
photographic materials and curatorial functions. The course
includes a service learning component. Occasional.

PGY 4440C
CAH-SVAD
3(2,3)
Special Problems in Photography: PR: ART
2201C, ART 2203C, ART 2300C, ART 2301C, PGY 3410C,
and a satisfactory portfolio review or C.I. Designed for upper
division art majors with photography concentration. A series
of directed photographic problems of a research nature.
Occasional. M&S fee $20.00

PET 4926
ED-E&HS
9(9,0)
Sport and Exercise Science Practicum: PR:
Senior standing in Sport and Exercise Science program,
minimum 2.75 GPA and Advisor Consent. Field experience
in a sport and exercise science organization, association, or
PET 5216
ED-E&HS
3(3,0)
Motivational Aspects of Coaching: PR: Graduate
standing or C.I. Assist students to understand and
conceptually integrate mental and physical performance,
mental rehearsal, motivation, effort, persistence, adherence
and compliance, measurement and evaluation, and other
related topics of interest. Occasional.
PET 5355
ED-E&HS
3(3,0)
Exercise and Health: PR: Admission to master’s
program or certificate program. Will provide educators
an in-depth understanding of energy pathways, and
neuromuscular, cardiovascular, and respiratory systems
during exercise. Emphasis on understanding principles
of exercise adaptations and applying those principles to
fitness/wellness settings. Occasional.
PET 5495
ED-E&HS
3(3,0)
Critical Issues: Ethics in Coaching and Sport:
PR: Graduate standing or C.I. Specializes in coaching
and sport leadership in self-evaluating, examining, and
developing philosophy, values, and moral reasoning skills.
Occasional.
PET 5766
ED-E&HS
3(3,0)
Advanced Coaching Theory: PR: C.I. Advanced
study of theories and methods of coaching for optimum
sports performance. Occasional.
PGY 2401C
CAH-SVAD
3(3,2)
Beginning Photography: PR: ART 2201C, ART
2300C or C.I. Introduction to photography with an art
emphasis. Fall,Spring. M&S fee $45.00
PGY 3002
CAH-SVAD
3(3,0)
Contemporary Photography: PR: PGY 2401C
or C.I. Late 20th and 21st century (1970’s-present)
contemporary movements in photography, special
emphasis on issues and ideas relative to contemporary
image making. Occasional.
PGY 3205C
CAH-SVAD
3(2,4)
Photographic Lighting Techniques: PR: PGY
2107 (offered through Daytona State College) or equivalent.
Advanced lighting techniques in both the studio and on
location, with projects in the editorial, advertising, or fine art
genres. Occasional. M&S fee $70.00
PGY 3276
CAH-SVAD
3(3,0)
The Professional Environment: PR: PGY 3002
or C.I. Concepts necessary for operation of a photography
studio. Includes legal, ethical issues; marketing; selfpromotion strategies; funding opportunities; professional
development; and professional presentation. Occasional.

PGY 3610C
COS-COMM
3(1,4)
Photojournalism I: PR: Journalism majors only. Digital
photojournalism and visual storytelling, with emphasis on
camera basics, composition skills, digital photo-editing skills,
and caption writing skills. See instructor for minimal camera
requirements. Occasional.
PGY 3620C
COS-COMM
3(1,2)
Photojournalism II: PR: PGY 3610C. The Picture
Story. Individual and group projects for extended
documentary coverage. Occasional.
PGY 3630
COS-COMM
3(3,0)
Photojournalism III: PR: PGY 3620C. Photography
Editing. Assignment selection, picture and copy editing,
cropping, picture desk management, and ethics of
photojournalism, and the new technological advances.
Occasional.
PGY 3651C
CAH-SVAD
3(2,4)
Narrative Editorial Photography: PR: PGY 2650
(offered through Daytona State College) or equivalent.
Explores photography in narrative, documentary, and
editorial form. Research, story, text, and visual style will be
addressed. Occasional. M&S fee $70.00
PGY 3653C
CAH-SVAD
3(2,4)
Advanced Editorial Photography: PR: PGY
3651C. Exploration of imagery created to illustrate articles,
including still-life, portrait, documentary, and/or fashion
photography. Emphasis on the creation of multiple or
consecutive images. Spring. M&S fee $69.00
PGY 3703C
CAH-SVAD
3(2,4)
Photography & the Web: PR: PGY 3821C or
C.I. Advanced issues in digital imaging, emphasis on
professional output solutions for the photographer such as
web as an interface, large format printing, and film recorder.
Occasional. M&S fee $45.00
PGY 3751C
CAH-SVAD
3(2,4)
Videography: PR: PGY 3821C or C.I. Creation of video
narratives using the digital environment. Occasional.
PGY 3821C
CAH-SVAD
3(2,4)
Advanced Digital Photography: PR: PGY 2401C
or C.I. Current digital imaging software and its application to
contemporary work. Occasional. M&S fee $69.00
PGY 3930C
CAH-SVAD
3(2,4)
The Photo-book: PR: PGY 2401C. The study and
application of the major trends and movements that have
shaped the photo-book genre since the birth of photography
to the self-publishing boom. Spring.

PGY 4471C
CAH-SVAD
3(2,4)
Photography Thesis: PR: PGY 3276. Senior thesis
project culminating in a public exhibition or portfolio
presentation. Occasional. M&S fee $68.00
PGY 4493C
CAH-SVAD
3(2,4)
Photography and Art: PR: PGY 3472C, or PGY
3002, or C.I. Creation of photographs related to the
expression of personal, political, aesthetic, and theoretical
issues and ideas found in historical and contemporary
imagery. Occasional. M&S fee $68.00
PGY 5108C
CAH-SVAD
3(2,4)
Advanced Techniques and Concepts in
Photography: PR: PGY 2401C, PGY 3410C and
PGY 4420C, or admission into MFA graduate program.
Advanced techniques and concepts in photography,
introducing historic and contemporary photographic works.
May be used in the degree program a maximum of 3 times.
Occasional.
PHH 3041
CAH-PHIL
3(3,0)
Russian Philosophy: PR: ENC 1102. A study of
major themes and developments in Russian philosophy
from the 18th century to the present, including critiques of
culture, religion, society, and politics. Occasional.
PHH 3100
CAH-PHIL
3(3,0)
Ancient Philosophy: PR: PHI 2010 or C.I. Foundations
of Western philosophy in ancient Greek thinking about
human beings and nature, including the pre-Socratics,
PHH 3200
CAH-PHIL
3(3,0)
Medieval Philosophy: PR: PHI 2010 or C.I. The
influence of Greek philosophical thought in medieval
Muslim, Jewish and Christian philosophy, as expressed in
its main problems and representative thinkers. Occasional.
PHH 3460
CAH-PHIL
3(3,0)
Modern Western Philosophy: PR: PHI 2010. Major
western philosophers and philosophical movements from
Descartes to Nietzsche. Even Fall.
PHH 3510
CAH-PHIL
3(3,0)
Marx and Nietzsche: PR: Junior standing. The
philosophies of Marx and Nietzsche, important differences
in outlook and emphasis, the significance of their respective
critiques of society, the implications of their contrasting
standpoints for understanding human life, the philosophical
and ideological influences of their work, and their
contemporary relevance Occasional.

PGY 4003
CAH-SVAD
3(3,0)
Image, Culture, and Society: PR: PGY 3002 or
C.I. The role of the media and media imagery in culture and
society. Occasional.

PHH 3600
CAH-PHIL
3(3,0)
Contemporary Philosophy: PR: PHI 2010 or
C.I. Recent and current trends in philosophy, including
philosophical analysis, phenomenology, structuralism, poststructuralism, and liberation philosophies. Occasional.

PGY 3410C
CAH-SVAD
3(3,2)
Intermediate Photography: PR: ART 2201C, ART
2203C, ART 2300C, ART 2301C, PGY 2401C. Intermediate
camera and darkroom practice designed for art majors with
studio skills. Spring. M&S fee $49.00

PGY 4228C
CAH-SVAD
3(2,4)
Advanced Illustrative Photography: PR: PGY
3205C or C.I. Various avenues of photographic illustration,
including lighting, historical and contemporary issues, style,
presentation, and social concerns. Occasional. M&S fee
$70.00

PHH 3700
CAH-PHIL
3(3,0)
American Philosophy: PR: PHI 2010 or AMH 2010
or AMH 2020 or C.I. A thematic and chronological survey
of philosophical, religious, and scientific developments in
American thought, with primary focus on the American spirit
of individualism and reform. Even Spring.

PGY 3451C
CAH-SVAD
3(2,4)
Alternative Processes: PR: PGY 3472C or C.I. 19th
century photographic processes with related contemporary
non-traditional methods of image creation and presentation.
Occasional. M&S fee $45.00

PGY 4235C
CAH-SVAD
3(2,4)
Professional Photographic Workshop: PR:
PGY 3205C. Creative, logistical, and technical processes
as related to a variety of special lighting problems in the
photographic studio and on location. Occasional. M&S
fee $70.00

PHH 3701
CAH-PHIL
3(3,0)
Native American Philosophy: PR: PHI 2010 or
C.I. Academic Native American philosophy in epistemology,
political philosophy and environmental studies. Even Fall.

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PHI 2010
CAH-PHIL
3(3,0)
Introduction to Philosophy: Inquiry into the
meaning and justification of fundamental ideas and beliefs
concerning reality, knowledge, and values; application to
relevant topics in ethics, religion, and politics. Fall,Spring.

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PHI 2010H CAH-PHIL 3(3,0) Honors Introduction to Philosophy: PR: Permission of Honors. Same as PHI 2010 with honors-level content. Fall.


PHI 2101 CAH-PHIL 3(3,0) Formal Logic I: A study of sentence and predicate logic, with introduction to modal, epistemic, deontic, multi-valued, and indeterminant logics. Occasional.

PHI 2108 CAH-PHIL 3(3,0) Critical Thinking: The logic of conversation, informal fallacies, and reasoning about human action. Occasional.

PHI 2630 CAH-PHIL 3(3,0) Ethics: An examination of the nature of moral principles, judgments and principles, and with an emphasis on recent formulations in ethical theory. Occasional.

PHI 2647 CAH-PHIL 3(3,0) Logic and Ethics: PR: PHI 2101 or COT 3100C or MAD 2104. Research in logic applied to ethics, especially for science and technology. Uses of simulation and modeling to study philosophical problems in ethics. Occasional.

PHI 3023 CAH-PHIL 3(3,0) Philosophy, Religion, and the Environment: PR: Junior standing or C.I. A multicultural treatment of the influence of philosophical and religious views on our understanding of, and relation to, the environment. Occasional.

PHI 3083 CAH-PHIL 3(3,0) Research Methods in Philosophy: PR: Philosophy or Humanities major or C.I. Sources, methods, and styles of research in Philosophy. Aimed at enhancing the research, reading, and writing skills of undergraduate philosophy students. Odd Fall.

PHI 3131 CAH-PHIL 3(3,0) Formal Logic II: PR: PHI 2101. Systematic study of propositional and first-order predicate logic: logicist systems and axiomatic methods; problems of metatheory, including consistency, completeness, and decidability. Occasional.

PHI 3320 CAH-PHIL 3(3,0) Philosophy of Mind: PR: PHI 2010, PSY 2012, or C.I. Recent and contemporary attempts to understand the relation of mind to body, the relation of consciousness to personal identity, and the relation of psychology to neurobiology. Occasional.


PHI 3451 CAH-PHIL 3(3,0) Philosophy of Psychology: PR: Junior standing or C.I. Philosophical foundations and formulations of major psychological movements plus other philosophically interesting issues. Occasional.

PHI 3625 CAH-PHIL 3(3,0) Virtual Ethics: PR: COP 3502C or DIG 2000 or C.I. Ethics of virtual worlds as contrasted to the physical world, the use of simulation, virtual environments, and modeling in philosophy, especially in ethics. Occasional.

PHI 3626 CAH-PHIL 3(3,0) Advanced Ethics in Science and Technology: PR: COP 3502C or DIG 2000 or PHI 2647. Critical thinking applied to ethics in science and technology. Fall, Spring.

PHI 3629 CAH-PHIL 3(3,0) Family Values: PR: PHI 2010, PHI 2630, PHI 3670, or WST 315. Applied ethics examining legal, religious and other cultural prescriptions related to sexuality, marriage, reproduction, child-rearing and other forms of familial relationship and caregiving. Even Spring.
# UCF Courses and Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Department</th>
<th>Title</th>
<th>Prerequisites</th>
<th>General Notes</th>
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<tbody>
<tr>
<td>PHI 5327</td>
<td>CAH-PHIL</td>
<td>Topics in the Cognitive Sciences: PHR. Admission to graduate certificate program in Cognitive Sciences or C.I. Theoretical issues and empirical studies in the cognitive sciences, including contemporary discussions of mind, brain, artificial intelligence, pathologies, behavioral capacities. Fall.</td>
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<tr>
<td>PHI 5328</td>
<td>CAH-PHIL</td>
<td>Philosophies of Embodiment: PR. Admission to graduate certificate in Cognitive Sciences or C.I. A critical investigation of the interaction of the individual, society, and the state; includes topics such as freedom, equality, and justice. Occasional.</td>
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<tr>
<td>PHI 5329</td>
<td>CAH-PHIL</td>
<td>Philosophy of Neuroscience: PR. Admission to graduate certificate in Cognitive Sciences or C.I. Neurophilosophy, including discussion of promises and limitations of neuroscience for understanding of the mind. Occasional.</td>
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<tr>
<td>PHI 5340</td>
<td>CAH-PHIL</td>
<td>Research Methods in the Cognitive Sciences: PR. Admission to graduate certificate program in Cognitive Sciences or C.I. Interdisciplinary research methods in the cognitive sciences. Spring.</td>
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<tr>
<td>PHI 5627</td>
<td>CAH-PHIL</td>
<td>Theoretical and Applied Ethics: PR. Senior undergraduate standing and at least one of the following: PH 3670, PHI 3638, or graduate standing. A seminar in theoretical and applied ethics with emphasis on application in professional fields. Variable content. Fall.</td>
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<tr>
<td>PHI 5637</td>
<td>CAH-PHIL</td>
<td>Medical Ethics: PR. Graduate standing or C.I. Ethics for practitioners of clinical medicine, health care delivery and medical research. Fall.</td>
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<tr>
<td>PHI 5665</td>
<td>CAH-PHIL</td>
<td>Knowledge, Responsibility, and Society: PR. Senior undergraduate standing and at least one of the following: PH 3670, PHI 3638, PH 3430, PHI 3431, PHI 4400, PHI 4633, PHI 4931 or Graduate standing. A seminar exploring the relationship between ethics and epistemology with application to social concerns. Variable content. Occasional.</td>
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<tr>
<td>PHI 5687</td>
<td>CAH-PHIL</td>
<td>Ethics in Science and Technology: PR: Graduate standing or C.I. The relationship between ethics and the pursuit and application of human knowledge, emphasizing the responsibility of scientists to society. Occasional.</td>
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<tr>
<td>PHI 5200</td>
<td>CAH-PHIL</td>
<td>Philosophy of Law: PR. Junior standing or PH 2010, or C.I. A critical analysis of the meaning and significance of various kinds of law from a variety of philosophical perspectives. Spring.</td>
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<tr>
<td>PHI 5322</td>
<td>CAH-PHIL</td>
<td>Sexuality, Gender &amp; Philosophy: PR: WST 3015, PHI 2010, PHI 3123, or C.I. Examine the contributions of poststructuralist and neopsychoanalytical theories to cultural issues in sexuality and gender. Even Spring.</td>
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<tr>
<td>PHI 5300</td>
<td>CAH-PHIL</td>
<td>Freedom and Justice: PR: Junior standing or PH 2010 or C.I. Philosophical analysis and evaluation of selected issues arising from the interaction of the individual, society, and the state; includes topics such as freedom, equality, and justice. Occasional.</td>
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<tr>
<td>PHI 5401</td>
<td>CAH-PHIL</td>
<td>Philosophy of Law: PR: PHI 2010, PHI 2630, PHI 3670, or POS 2041. Study of the nature of, and justifications for, law and punishment. Examination of the concepts of legal personhood, rights and responsibilities. Spring.</td>
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<tr>
<td>PHI 5403</td>
<td>CAH-PHIL</td>
<td>Environmental Philosophy: PR: PHI 3640, PHI 2630, or C.I. Major contemporary positions in environmental philosophy, including deep ecology, ecofeminism, and social ecology. Occasional.</td>
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<tr>
<td>PHI 5035</td>
<td>CAH-PHIL</td>
<td>Environmental Philosophy: PR: PHI 3640, PHI 2630, graduate status or senior standing, or C.I. This course will provide an in-depth examination of the major contemporary positions in environmental philosophy, including deep ecology, ecofeminism, and social ecology. Occasional.</td>
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<tr>
<td>PHI 3786</td>
<td>CAH-PHIL</td>
<td>Existentialism: PR: Junior standing or PHI 2010 or C.I. Study of existentialist analysis and critique of the human condition as found in the writings of such philosophers as Kierkegaard, Nietzsche, Heidegger, Sartre, and Camus. Odd Fall.</td>
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<tr>
<td>PHI 4931</td>
<td>CAH-PHIL</td>
<td>Key Figures in Philosophy: PR: PHI 2010 or C.I. Study of a central figure in philosophy's work, influences, reception and effect. May be repeated for credit only when course content is different. Occasional.</td>
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<tr>
<td>PHI 4933</td>
<td>CAH-PHIL</td>
<td>Key Concepts in Philosophy: PR: PHI 2010 or C.I. Study of the development, meaning, and implications of a central concept in Philosophy. May be repeated for credit only when course content is different. Occasional.</td>
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<tr>
<td>PHI 3069L</td>
<td>HPA-HP</td>
<td>Physical Assessment Lab: PR: PHI 3069. Lab course emphasizing the examinations required to perform an evaluation of a physical therapy patient. Occasional.</td>
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<tr>
<td>PHI 3113</td>
<td>HPA-HP</td>
<td>Gross Anatomy/Neuroscience II: CR: PHI 3112L. In-depth study of human morphology emphasizing the brain, the cervical spine, pelvis, and the internal organs. Occasional.</td>
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<tr>
<td>PHI 3113L</td>
<td>HPA-HP</td>
<td>Gross Anatomy/Neuroscience II Lab: CR: PHI 3113L. Directed laboratory experiences with cadaver dissection; use of the skeleton, models, and computer programs to facilitate learning. Occasional.</td>
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<tr>
<td>PHI 3122</td>
<td>HPA-HP</td>
<td>Clinical Kinesiology: CR: PHI 3122L. Mechanical aspects of human movement, including joint mechanics of the upper and lower extremities, the vertebral column, and tissue mechanics of relevant human tissues. Coordinated with cadaver dissection. Occasional.</td>
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<tr>
<td>PHI 4222L</td>
<td>HPA-HP</td>
<td>Therapeutic Exercise I Lab: CR: PHI 4222L. Lab course emphasizing therapeutic exercise skills for the treatment of patients with musculoskeletal dysfunction. Occasional.</td>
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<tr>
<td>PHI 5125</td>
<td>HPA-HP</td>
<td>Clinical Kinesiology: CR: PHI 5125L. Investigates the mechanical aspects of human movement, joint mechanics of the upper and lower extremity, the vertebral column and tissue mechanics of relevant human tissues. Occasional.</td>
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<tr>
<td>PHI 5218</td>
<td>HPA-HP</td>
<td>Theories and Procedures I: CR: Theories and Procedures I Lab. Theories of physical agents, heat, light, cold, water, sound, and massage; problem solving rationale and selection of interventions for inflammation, pain, edema, and weakness. Spring.</td>
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<tr>
<td>PHI 5240L</td>
<td>HPA-HP</td>
<td>Physical Assessment Lab: CR: Physical Assessment Lab. Course emphasizing the examinations required to perform an evaluation of physical therapy patient. Fall. M&amp;S fee $45.00.</td>
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<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Type</td>
<td>Description</td>
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<tr>
<td>PHY 2048C</td>
<td>General Physics Using Calculus I: PR: MAC 2311C (or equivalent) with grades &quot;C&quot; (2.0) or better, Mechanics, Thermodynamics, fluids. Fall.</td>
<td>M&amp;S fee $15.00</td>
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<tr>
<td>PHY 2049C</td>
<td>Honors General Physics Using Calculus I: PR: MAC 2312 and PHY 2048C with grades &quot;C&quot; (2.0) or better, and permission of Honors. Same as PHY 2048C with honors-level content. Fall.</td>
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<tr>
<td>PHY 2049C</td>
<td>General Physics Using Calculus II: PR: MAC 2312 and PHY 2048C with grades &quot;C&quot; (2.0) or better, Electricity, magnetism, optics, Fall.</td>
<td>M&amp;S fee $15.00</td>
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<td>PHY 2053C</td>
<td>College Physics I: PR: MAC 1105C and MAC 1114C or equivalent.</td>
<td>M&amp;S fee $14.00</td>
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<td>PHY 2053C</td>
<td>Honors College Physics I: PR: MAC 1105C and MAC 1114C or C.I. and consent of Honors. Mechanics, waves, thermodynamics. Fall.</td>
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<td>PHY 2054C</td>
<td>Honors College Physics II: PR: PHY 2053C and consent of Honors. Nucleons, protons, electric, and magnetism, optics, x-rays, radioactivity. Fall.</td>
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<tr>
<td>PHY 2054C</td>
<td>College Physics II: PR: PHY 2053C. Fluids, electricity and magnetism, optics, x-rays, radioactivity. Fall.</td>
<td>M&amp;S fee $15.00</td>
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<tr>
<td>PHY 3011H</td>
<td>Honors General Physics Using Calculus III: PR: PHY 2049C, MAC 2313, and consent of Honors. Same as PHY 3101H with honors-level content. Fall.</td>
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<tr>
<td>PHY 3513</td>
<td>Thermal and Statistical Physics: PR: PHY 3101 or PHY 3101H or C.I. Thermodynamics, kinetic theory, elements of statistical mechanics. Fall.</td>
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<tr>
<td>PHY 3920</td>
<td>Frontiers in Physics Research: Colloquia and Public Talks: PR: PHY 3101 or C.I. Presentations of current research and major advances in physics. Graded S/U. May be used in the degree program a maximum of 3 times. Fall.</td>
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<tr>
<td>PHY 4012</td>
<td>Teaching Introductory Physics: PR: PHY 3101 or C.I. Students build specialized material required for teaching introductory physics by reviewing variety of physical concepts integrated with coherent teaching methods. Odd Spring.</td>
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<tr>
<td>PHY 4254</td>
<td>Electrodynamics I: PR: PHY 3101 or C.I. Ideal fluids; basic equation of fluid flow; viscous flow, instability and turbulence; Thermal and mass transfers in fluids, biofluid mechanics of blood circulation. Even Spring.</td>
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<tr>
<td>PHY 5015C</td>
<td>Physics for Teachers I: PR: Graduate standing or senior standing or C.I. &quot;Hands-on&quot; lecture-laboratory course. Dynamics, electricity, magnetism, optics, nuclear radiation. Occasional.</td>
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<tr>
<td>PHY 5140C</td>
<td>Ion-Solid Interactions: PR: PHY 4804 or PHY 4324, and graduate standing or senior standing or C.I. Physical principles and related scientific and technological applications of ion-solid interactions. Occasional.</td>
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<tr>
<td>PHY 5255</td>
<td>Physics of Fluids and Biofluids: PR: PHY 3515, PHY 3523, and MAP 2302 or C.I. Ideal Fluids; Basic equation of fluid flow; viscous flow, instability and turbulence; Thermal and mass transfers in fluids, biofluid mechanics of blood circulation. Even Spring.</td>
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<tr>
<td>PHY 5346</td>
<td>Electrodynamics I: PR: PHY 4324, and graduate standing or senior standing or C.I. Boundary value problems, electrostatics and magnetostatics, Maxwell’s equations. EM fields in matter, wave generation and propagation; wave guides, resonant cavities. Fall.</td>
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<tr>
<td>PHY 5506</td>
<td>Modern X-ray Science: PR: Graduate status or senior standing or C.I. An introduction to the science and applications of modern X-ray optics, X-ray lasers, etc., with a review of basic properties of X-rays. Occasional.</td>
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<tr>
<td>PHY 5524</td>
<td>Statistical Physics: PR: PHY 3515, STA 3032, and graduate status or senior standing or C.I. A study of physical concepts and methods appropriate for the description of systems involving many particles. Ensemble theory, partition functions, Maxwell Boltzmann, Bose-Einstein, Fermi-Dirac statistics. Spring.</td>
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<tr>
<td>PHY 5606</td>
<td>Physics of Nanoelectronic Devices: PR: Graduate standing or C.I. Fabrication techniques of nanoscale electronic devices and understanding of their charge transport properties. Odd Fall.</td>
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<tr>
<td>PHY 5715</td>
<td>Physical Basis of Life: PR: Graduate standing or C.I. Molecular and physical principles of origin of life, physical and chemical interpretation of life processes. Fall.</td>
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<tr>
<td>PHY 5817L</td>
<td>Building Physics Apparatus: PR: Graduate standing or senior standing or C.I. Hands-on shop course. Focus will be machine shop practice with possible extension to printed circuit boards and glass work. Occasional. M&amp;S fee $45.00</td>
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</table>
PLA 4472 HPA-LS 3(3,0) Employment Discrimination Law: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. Course will address employment discrimination based on race, gender, religion, national origin, age, disability and sexual orientation. Issues such as workplace harassment will be analyzed. Occasional.

PLA 4485 HPA-LS 3(3,0) Administrative Law: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. The law regarding governmental agencies with emphasis on the administrative process, Administrative Procedures Acts and special problems of state administrative law. Fall, Spring.

PLA 4521 HPA-LS 3(3,0) World Hunger Morality & the Law: PR: Junior Standing and C.I. Examine world hunger as a complex issue of sustainable human development, root causes and consequences of domestic and global hunger, and efforts on legal systems. Spring.

PLA 4530 HPA-LS 3(3,0) Legal Issues of the Elderly: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. Legal concerns faced by older Americans as they plan their later years and seek to maximize their personal autonomy. Occasional.

PLA 4554 HPA-LS 3(3,0) Environmental Law: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. Environmental law and policy related to the protection of natural resources, including an examination of toxic pollutants, endangered species, and climate change. Odd Fall, Odd Spring.

PLA 4583 HPA-LS 3(3,0) Cyber Law I: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. Analysis of copyright, trademark, and patent issues in cyberspace. Occasional.

PLA 4607 HPA-LS 3(3,0) Estates and Trusts: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. A study of wills and trusts, and applicable legal principles of administration of estates through the processes of the Probate Court. Fall, Spring.

PLA 4609 HPA-LS 3(3,0) Estate Administration: PR: (PLA 4607 and Junior standing) or C.I. Study of the laws and procedures applicable to administration of estates. Occasional.

PLA 4703 HPA-LS 3(3,0) Professional Ethics and Liability: PR: or CR: PLA 3014, and PR: Sophomore Standing, or C.I. Ethical responsibilities of professionals, canons of legal ethics, liability for professional malpractice. Fall, Spring.

PLA 4734 HPA-LS 3(3,0) Advanced Legal Applications Computer Software: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. Course will acquaint students with contemporary computer software applications used to satisfy the demands of today’s law firms and law-related fields. Occasional.

PLA 4764 HPA-LS 3(3,0) Law Office Practices: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. Organization, operation and management of law office. Interviewing techniques and practical application of work that is done in a law office. Occasional.

PLA 4806 HPA-LS 3(3,0) Domestic Relations Law: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. An in-depth study of family law focusing on divorce, custody, child support, alimony, adoption and other related matters with an emphasis on Florida law. Fall, Spring.

PLA 4813 HPA-LS 3(3,0) Juvenile Law and Procedure: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. Examines both the substantive and procedural law for juvenile delinquency and dependency. Emphasis on Florida law and comparison with other jurisdictions. Occasional.

PLA 4823 HPA-LS 3(3,0) Sports Law: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. Introduction to the legal issues and regulation of sports, focusing on torts, contracts, agency and constitutional law as applied to athletes. Occasional.


PLA 4825 HPA-LS 3(3,0) Entertainment Law: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. Introduction to the control and regulation of the entertainment industry and the associated legal issues. Occasional.

PLA 4830 HPA-LS 3(3,0) World Legal Systems: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. An examination of various legal traditions and systems of the World. Substantive and procedural laws will be examined. Occasional.


PLA 4843 HPA-LS 3(3,0) Immigration Law and Policy: PR: PLA 3014, and Junior standing. Major topics in U.S. immigration law to include the statutory, historical, and procedural foundations of U.S. immigration law and policy. Fall, Spring.

PLA 4861 HPA-LS 3(3,0) Aviation Law: PR: PLA 3014 and Junior standing, or C.I. The law as it applies to aviation and aerospace activities domestically and internationally, including post-9/11 national aviation policy and emerging technologies (drones). Fall, Spring.

PLA 4864 HPA-LS 3(3,0) Admiralty and Maritime Law: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. Admiralty jurisdiction and procedure including contracts for carriage of goods, seamen's contracts and claims, collision and salvage law, and wrongful death. Occasional.

PLA 4910 HPA-LS 3(3,0) Trial Advocacy: PR: PLA 4263 or C.I. Analysis of the entire litigation process from the initial client interview through the appellate stage, and development of oral advocacy skills. Fall, Spring.

PLA 4935 HPA-LS 3(3,0) Corporate Law: Legal Issues: PR: senior status, PLA 3155. Legal Studies majors. The legal and socio-legal analysis of issues that require students to synthesize their legal studies education. Course will assist students entering employment or graduate education. Fall, Spring.

PLA 5587 HPA-LS 3(3,0) Current Issues in Cyberlaw: PR: Graduate standing or C.I. Advanced examination and discussion of free speech, copyright, trademark, patent and privacy issues in the online environment through interactive class discussions, online discussions, postings, case study reviews, and legal research projects. Occasional.

POR 1120 CAH-LANG 4(3,1) Elementary Portuguese Language and Civilization I: Introduces the student to Portuguese culture through the major language skills: listening, speaking, reading, and writing. Open only to students with no experience in this language. Fall.

POR 1121 CAH-LANG 4(3,1) Elementary Portuguese Language and Civilization II: PR: POR 1120C or C.I. Continuation of POR 1120C. This course emphasizes the major language skills: reading, writing, listening, and speaking. Spring.

POR 2200 CAH-LANG 3(3,0) Intermediate Portuguese I: PR: POR 1120C or equivalent or C.I. Development of Portuguese language skills at the Intermediate level. Fall, Spring.

POR 2201 CAH-LANG 3(3,0) Intermediate Portuguese II: PR: POR 2200 or equivalent or C.I. Continuation of POR 2200 with emphasis on Portuguese cultures. Fall, Spring.

POR 3140 CAH-LANG 3(3,0) Accelerated Portuguese for Speakers of Romance Languages: PR: POR 2201 or ITA 2101, or SPN 2201, or course equivalent. Accelerated Portuguese for proficient speakers of Romance Languages. It is expected that students have no prior knowledge of Portuguese. Occasional.

POR 3300 CAH-LANG 3(3,0) Portuguese Composition: PR: POR 2201 or C.I. Enhance and develop student’s ability to communicate in written Portuguese. Spring.

POR 3301 CAH-LANG 3(3,0) Advanced Portuguese Grammar and Composition: PR: POR 2201 or C.I. Develop student’s skills in reading and writing of the Portuguese Language. Fall.

POR 3413 CAH-LANG 3(3,0) Advanced Portuguese Oral Communication: PR: POR 2201 or C.I. Develop student’s skills at an advanced level content substantially on speaking and listening activities. Spring.

POS 2041 COS-POLS 3(3,0) American National Government: A study of the dynamics of American national government, including its structure, organization, powers, and procedures. Fall, Spring.

POS 2041H COS-POLS 3(3,0) Honors American National Government: PR: POS 2041 and Honors. Same as POS 2041 with honors-level content. Occasional.

POS 3076 COS-POLS 3(3,0) American Indian Politics: PR: POS 2041 or C.I. Politics and policies specific to indigenous peoples of the United States. Occasional.

POS 3122 COS-POLS 3(3,0) State Government and Public Policy: PR: POS 2041 or C.I. A comparative study of American state governments, political processes, and public policies, with emphasis on Florida. Occasional.

POS 3122H COS-POLS 3(3,0) Honors State Government and Public Policy: PR: POS 2041 or C.I. and permission of Honors. A comparative study of American state governments, political processes, and public policies, with emphasis on Florida. With Honors content. Occasional.

POS 3173 COS-POLS 3(3,0) Southern Politics: PR: POS 2041 or C.I. Study of southern politics past and present. Emphasize on factors effecting changes in the region and the states. Southern and national relationship examined. Occasional.

POS 3182 COS-POLS 3(3,0) Florida Politics: PR: POS 2041 or C.I. Examines the foundations of Florida government and political behavior, political institutions, and public policy. Occasional.

POS 3182H COS-POLS 3(3,0) Honors Florida Politics: PR: POS 2041 or C.I., and consent of Honors. Foundations of Florida government and political behavior, political institutions, and public policy. With Honors content. Occasional.

POS 3233 COS-POLS 3(3,0) Public Opinion: PR: Junior standing or C.I. Nature, impact and development of public opinion, emphasizing the influence of race, gender, age, and class on opinions, voting, and political behavior. Fall.

POS 3234 COS-POLS 3(3,0) Protest in American Politics: PR: POS 2041 or C.I. Connections between politics and protest in American politics including its impact on policy, and the implications of the generalization of protest for democracy. Occasional.

POS 3235 COS-POLS 3(3,0) Mass Media and Politics: PR: ENC 1102 or POS 2041 or C.I. Influence of media on campaigns, public officials, public opinion, the definition of political news, and selected public policies. Occasional.
### COS-POLS Courses and Descriptions

**POS 3235H** Honors Mass Media and Politics: PR: POS 2041 or C.I. Consent of Honors. Influence of media on campaigns, public opinion, the definition of political news, and selected public policies. With Honors consent. Occasional.

**POS 3258** Politics in Film: PR: ENC 1102 or POS 2041 or C.I. The influence of motion pictures on popular understanding of American and international politics. Even Fall.

**POS 3272** Civic Engagement: PR: Junior standing and either PAD 3003 or POS 2041 or C.I. Formal and informal civic engagement in the United States across levels of government, sectors of society, and modes of interaction. Even Fall/Even Spring.

**POS 3273** Voting and Elections: PR: POS 2041 or C.I. Theoretical and substantive inquiry into U.S. electoral system; includes focus on voter behavior as well as national and state electoral systems. Occasional.

**POS 3413** The American Presidency: PR: ENC 1102 or POS 2041 or C.I. Examination of historical and contemporary role of the presidency, including the presidential selection process and the office’s evolution in status, powers, administrative responsibilities, leadership, and decision-making. Occasional.

**POS 3424** Congress and the Legislative Process: PR: POS 2041 or C.I. Examination of the Congress as an institution undergoing dynamic change, emphasis upon recruitment of legislators, institutional and informal rules, the committee system, legislative procedures. Fall.

**POS 3443** Political Parties and Processes: PR: POS 2041 or C.I. In-depth study of the American political party system, an examination of changing American politics; topics include development, organization, reforms, legislative and executive roles. Occasional.

**POS 3463** Interest Groups: PR: POS 2041 or C.I. Analyzes the non-electoral behavior of economics, ideological, and citizen groups; political action committees; and the proliferation of interest organizations over the past quarter century. Occasional.


**POS 3703** Scope and Methods of Political Science: PR: POS 2041 or C.I. The scope and methodology of political analysis. Extensive examination of the discipline, research design and methodology. Fall/Spring.

**POS 3703H** Honors Scope and Methods: PR: POS 2041 and consent of Honors. Scope and methodology of political analysis. Discipline-specific research design, research process, methods of investigation and analysis, survey research, sampling, qualitative research, and ethical considerations. Occasional.

**POS 3733** Designing Political Science Research: PR: POS 2041 or INR 2002 or C.I. Logic of inquiry, research design, literature review, research ethics, case studies and case selection; other qualitative methods, such as interview techniques and content analysis. Even Spring.

**POS 3949** Cooperative Education in Political Science: PR: Departmental permission required before registering. Cooperative education experience in political science. Graded S/U. May be repeated. Occasional.

**POS 4030** The Politics of Sports: PR: POS 2041 or C.I. Emergent concerns in sports policy, institutional interventions in sports regulations, the politics of sports arenas and teams, and civic and political engagement through sports. Occasional.

**POS 4074** Latino Politics: PR: POS 2041 or C.I. Political characteristics of the Latino community in the United States and its impact on U.S. national and international politics and policies. Occasional.

**POS 4142** Metropolitan Politics: PR: POS 2041 or C.I. Analysis of political patterns, processes, and issues in American communities. Intergovernmental relations and structural and political arrangements in the existing and emerging metropolitan areas. Occasional.

**POS 4204** Political Behavior: PR: POS 2041 or C.I. Mass political behavior, concentrating on voting and participation, primarily in the United States. Occasional.

**POS 4206** Political Psychology: PR: ENC 1102 or POS 2041 or C.I. The psychological analysis of political behavior, with emphasis on the individual rather than the political system; includes political attitudes and communication, leadership, and personality influence of political decision-making. Occasional.

**POS 4244** Political Socialization: PR: POS 2041 or C.I. Examines acquisition and development of political values, beliefs, attitudes, and opinions; how individuals learn about politics; and influences on political development, behavior, and opinion. Occasional.

**POS 4284** Judicial Process and Politics: PR: ENC 1102 or POS 2041 or C.I. Study of the formal and informal judicial process. Legal culture, bureaucratic model, judicial recruitment, outputs, comparative judicial behavior. Fall/Even Spring.

**POS 4412** Presidential Campaigning: PR: ENC 1102. Introduces the process of candidate selection, convention behavior, actual campaign process and the transition of power. Occasional.

**POS 4603** American Constitutional Law I: PR: ENC 1102 or POS 2041 or C.I. Development of American Federalism and national power, commerce clause, and nationalization of the economy. Fall.

**POS 4604** American Constitutional Law II: PR: ENC 1102 or POS 2041 or C.I. The Federalist, the rise of the modern nation, and issues in modern law and politics. Fall/Even Spring.

**POS 4622** Politics and Civil Rights: PR: ENC 1102 or POS 2041 or C.I. An examination of civil rights issues in the context of political behavior, concentrating on voting and participation, primarily in the United States. Occasional.

**POS 4961** Exit Exam: PR: POS 2041 and Senior Standing. Complete the departmental exit exam during the semester of graduation. Fall/Spring.

**POT 3241** American Political Thought: PR: ENC 1102 or POS 2041 or C.I. Its sources to the 20th century, including liberalism, punkutism, the Federalist, the rise of industrialism, resulting social movements, modern and postmodern Fall.

**POT 3302** Modern Political Ideologies: PR: ENC 1102. A study of modern ideologies since the French Revolution including liberalism, conservatism, capitalism, nationalism, fascism and anarchism. Occasional.

**POT 4003** Political Theory: PR: ENC 1102. Examination of various normative approaches to the study of political science, stressing contemporary developments in the field. Occasional.

**POT 4025** Ancient, Medieval and Early Modern Political Philosophy: PR: ENC 1102. Study of the development of political and social ideas in western thought from early Greece through the 17th century. Occasional.

**POT 4054** Modern Political Philosophy: PR: ENC 1102. Study of the development of political and social ideas from the 18th century to the present. May be taken independently of POT 4045 (Ancient, Medieval and Early Modern Political Philosophy). Occasional.

**POT 4066** Contemporary Political Theory: PR: ENC 1102. Study of the contemporary debate about the status of rights, utilitarianism, and liberalism, and communitarianism, libertarian, and feminist critiques of liberalism. Occasional.

**POT 4109** Politics and Literature: PR: Junior standing. An examination of politics and the political process through the medium of literature. Occasional.

**POT 4109H** Honors Politics and Literature: PR: Junior standing. Politics and political process through the medium of literature. Occasional.

**POT 4305** Democracy, Capitalism, and the Individual: PR: POS 2041 or C.I. An examination of the institutions of capitalism and democracy as the means of organizing, respectively, an economy and a polity. Fall.

**POT 4314** Contemporary Democratic Theory: PR: ENC 1102 or POS 2041 or C.I. Study of democratic theories, emphasizing liberal democracy and its critics, elitist theories, participatory democracy, citizen participation, and relevance of empirical research to democratic theory. Occasional.

**POT 4331** Utopia/Dystopia: PR: ENC 1102. Examine political issues, such as justice, economic distribution and social organization by exploring both classic and contemporary utopias and dystopias. Occasional.

**POT 4345** Pan-Africanist Thought: PR: INR 2002 or C.I. Philosophical assumptions, theoretical frameworks, ideological orientations and social/political thinkers that have contributed to the tradition of Pan-Africanist thought. Occasional.

**POT 4414** Marxist Political Theory: PR: ENC 1102. Survey of Marx & Engels and other thinkers, exposing the theoretical underpinnings of nations and groups who have adapted marxist principles for governance. Occasional.
PSB 5003 COS-PSYCH 3(3,0) Honors Personality Theory: PR: PSY 2012 and Consent of Burnett Honors College. Theory and research on the development of personality characteristics. With Honors content. Occasional.

PPE 3003H COS-PSYCH 3(3,0) Honors General Psychology: PR: Consent of Honors. A survey of the basic principles, theories, and methods of contemporary psychology, including the study of human diversity. Honors-level content. Fall,Spring.

PSY 2012H COS-PSYCH 3(3,0) Honors General Psychology: PR: Permission of Honors. A survey of the basic principles, theories, and methods of contemporary psychology, including the study of human diversity. Honors-level content. Fall,Spring.

PSY 2023 COS-PSYCH 2(2,0) Psychology Cornerstone: Career Paths: PR: PSY 2012. What it means to be a psychology major, career opportunities using the field, and different graduate school paths. Graded S/U. Fall,Spring.


PSY 2028 COS-PSYCH 3(3,0) Psychology of C.I. Development: PR: PSY 2012 or C.I. Review of career development theories and current psychological literature on career decision-making. Examination of career development in psychology including educational entry requirements and related issues. Occasional.


PSY 3024C COS-PSYCH 4(3,1) Statistical Methods in Psychology: PR: PSY 2012, and either STA 2014C or STA 2023, or C.I. Standardized scores, confidence intervals, sampling distributions, hypothesis testing, correlation and regression as applied to research in psychology. With Honors content. Occasional.

PSY 3213C COS-PSYCH 5(3,2) Research Methods in Psychology: PR: PSY 2012, PSY 3240C and STA 2014C or STA 2023 and consent of Honors. Investigation of experimental designs and research methods utilized in psychology. Laboratory outcome will be statistically analyzed and reported in APA format. With Honors content. Occasional.

PSY 3213C COS-PSYCH 5(3,2) Research Methods in Psychology: PR: PSY 2012, PSY 3240C and STA 2014C or STA 2023 and consent of Honors. Investigation of experimental designs and research methods utilized in psychology. Laboratory outcome will be statistically analyzed and reported in APA format. Fall,Spring.


PSY 3625 COS-PSYCH 3(3,0) Science and pseudoscientific thinking: PR: PSY 2012 or C.I. Critically evaluates fringe-science, paranormal, and otherwise unusual beliefs about human behavior. Scientific methodology is used to evaluate bizarre claims such as ESP, astrology, mood, mind control, and alien abduction. Occasional.

PSY 3630 COS-PSYCH 3(3,0) Personality Theory: PR: PSY 2012 and Psychology major, or C.I. Psychological aspects of human relationships with animals. Occasional.

PSY 3951 COS-PSYCH 1-3(3-0) Undergraduate Field Work: PR: Senior standing and C.I. Placement in a community agency for supervised experience in applications of psychology to community problems. Graded S/U. May be repeated for credit. Fall,Spring.

PSY 4025 COS-PSYCH 3(3,0) The Psychology of Art: PR: or CR: ARH 2050 or ARH 4011, or any ART pre-core course. Discussion of the psychological perspectives on art to gain a greater understanding and enhanced appreciation for the process and products of creativity. Occasional.

PSY 4049 COS-PSYCH 1(1,0) Psychology Capstone: PR: PR or CR: PSY 3213C and PSY 4942. Preparation and interpretation of complex research projects in psychology. Fall,Spring.


PSY 4604 COS-PSYCH 3(3,0) History and Systems of Psychology: PR: PSY 2012 and Junior standing. Historical development of psychology, with emphasis on classical theoretical positions. Occasional.

PSY 4604H COS-PSYCH 3(3,0) Honors History and Systems of Psychology: PR: PSY 2012 and Junior standing and consent of Honors. Historical development of psychology, with emphasis on classical theoretical positions. With Honors content. Occasional.

PSY 4942 COS-PSYCH 3(3,0) Internship Experiences in Undergraduate Psychology: PR: PSY 2012 and C.I. Prepares undergraduate students to more effectively learn psychology concepts by facilitating learning in various university psychology classrooms and labs. Graded S/U. Occasional.

PSY 5605 COS-PSYCH 3(3,0) History and Systems of Psychology: PR: Acceptance to Clinical Psychology PhD program or C.I. An examination of modern American psychology from its origins in the late 19th century to the present time. This course is intended for the PhD in Clinical Psychology; in certain instances graduate students in other programs may enroll. Odd Fall.

PUP 3014 COS-POLS 3(3,0) Comparative Public Policy: PR: POS 2041 or CPO 3105 or C.I. Areas of public policy such as immigration, education, trade, taxation, and fiscal policy in selected countries. Occasional.

PUP 3203 COS-POLS 3(3,0) Environmental Politics: PR: ENC 1102 or POS 2041 or C.I. An examination of politics and policy-making concerns issues of conservation, pollution and development of land, air, and water resources. Odd Fall.

PUP 3204 COS-POLS 3(3,0) Sustainability: PR: ENC 1102 or Junior standing. Environmental politics through the lens of "sustainability." Attention devoted to the relationships of culture, economics, and ecology. Odd Fall.

PUP 3314 COS-POLS 3(3,0) Minorities in American Politics: PR: ENC 1102 or POS 2041 or C.I. Historical and contemporary role of minority groups in the American political process, including an examination of their electoral significance and relevant legislative, executive, and judicial policies. Occasional.

PUP 3325 COS-POLS 3(3,0) Women and Political Behavior: PR: POS 2041 or ENC 1102, or C.I. Women’s role in the political process, emphasizing women in the governmental and policy-making processes. Occasional.

PUP 4003 COS-POLS 3(3,0) American Public Policy: PR: POS 2041 or C.I. Policy formation, implementation and evaluation, with a focus upon contemporary American problems, including the misappropriation of societal power and social conflict. Occasional.
PUP 4209 COS-POLS
Urban Environmental Policy: PR: ENC 1102 or POS 2041 or C.1. Public policy, ecology, and the urban political landscape explored by tracing their development and prospects for sustainable cities. Occasional.

PUP 4323 COS-POLS
Women and Public Policy: PR: POS 2041 or ENC 1102, or C.1. Public policies and processes that achieve a disparate impact on women and women's lives in the United States. Occasional.

PUP 4404 COS-POLS
Education and Politics: PR: Junior standing or C.1. Western education and the connection between citizenship and education, education funding, and the politics of education reform. Occasional.

PUP 4503 COS-POLS
Government and Science: PR: ENC 1102 or POS 2041 or C.1. Examination of interface between science and government. Focus is upon governmental support for science, social accountability, and the role of the scientist-policy maker in comparative context. Occasional.

PUP 4510 COS-POLS
Space Policy: PR: ENC 1102. An examination of the politics and policy-making involved with the US space program in the context of domestic demands and other international space programs. Even Fall.

PUP 4602 COS-POLS

PUP 4744 COS-POLS
Government and Business: PR: ENC 1102. Analysis of public policies regarding business. Study includes various levels of government including international organizations. Occasional.

PUP 4931 COS-POLS
Topics in Public Policy: PR: ENC 1102 or POS 2041, or C.1. Intensive analysis of a current policy problem. Sample topics include education, growth management, housing, affirmative action, welfare, and transportation. May be used in the degree program a maximum of 2 times. Occasional.

PUP 4954 COS-POLS
Social Responsibility: PR: ENC 1102 or POS 2041 or C.1. Focus on the social responsibility of business organizations in practice. Occasional.

PUP 3201 COS-POLS

PUP 3210H COS-POLS
Honors Communication Approach to Corporate Social Responsibility: PR: Consent of Honors and either SPC 1608, SPC 1603C or COM 1000, or C.1. An advanced version of a communication-based approach to corporate social responsibility. Occasional.

PUP 3912 COS-POLS
Collaborative Experiential Research Practicum: PR: Either SPC 1608, SPC 1603C or COM 1000, and C.1. Students will work as research assistants in a lab, under faculty supervision, and learn first-hand the process of conducting communication/social scientific research. May be used in the degree program a maximum of 2 times. Occasional.

PUP 4000 COS-POLS
Publications: PR: POS 2041 or SPC 1603C, or COM 1000. Principles and practice of Public Relations including techniques, research tools, publicity, and management. Fall, Spring.

PUR 4000H COS-COMM
Honors Public Relations: PR: Consent of Honors, and one of the following: SPC 1608, SPC 1603C, COM 1000, or C.1. Advanced review of principles and practice of public relations including techniques, research tools, publicity and management. Occasional.

PUR 4014 COS-COMM
Preparing for Public Relations Certification: PR: PUR 4000, and ADV 2600 or ADV 4941, and senior standing or C.1. Advanced study in the history, principles, skills, ethics of PR and preparation for the Certification in Principles of Public Relations exam administered by the UAB. Fall, Spring.

PUR 4110 COS-COMM

PUR 4203 COS-COMM
PR/Advertising Ethics and Law: PR: Adv-PR majors only and ADV 3008. Legal precedents applicable to advertising and public relations as well as ethical considerations for both. Occasional.

PUR 4400 COS-COMM
Crisis Communication: PR: SPC 1608 or SPC 1603 or COM 1000, and Adv-PR major, or Communication and Conflict major or Mass Communication minor, or C.1. The theory, process, and best practices of crisis communication. Occasional.

PUR 4801 COS-COMM
Public Relations Case Studies: PR: Adv-PR majors only and PUR 4000 or C.1. Discussion and analysis of public relations cases highlighting the application of PR theory to advance organizational goals Fall, Spring.

QMB 4700 BA-MAN
Managerial Decision Making: PR: GEB 3301 and MAN 3025. Computer-based quantitative decision models (including linear programming and extensions, queuing, network models, simulation) and decision support systems for business organizations. Occasional.

REA 1105 ED-TL&L
College Reading I: College reading improvement focusing on content areas and advanced study skills, comprehension, vocabulary growth, reading rate, note taking, and test preparation. Fall, Spring.

RED 3012 ED-TL&L
Basic Foundations of Reading: PR: Junior standing or C.1. Principles, procedures, and current practices for teaching reading. Specific techniques and materials for word identification, content reading and comprehension. Fall, Spring.

RED 3310 ED-TL&L

RED 4043 ED-TL&L
Content Reading in Kindergarten through Grade 12: PR: Junior or senior standing. Admission to the teacher education program. Content literacy in the K-12 school curriculum; Principles, strategies, assessment, and promoting practices. Fall, Spring.

RED 4311 ED-TL&L

RED 4519 ED-TL&L

RED 4942 ED-TL&L
Practicum for Assessment and Instruction of Reading: PR: RED 4519. Corequisite: Internship I. Practicum that provides opportunity to apply knowledge of reading assessment and instruction in order to increase reading proficiency of struggling readers. Concurrent school experience required. Fall, Spring.

RED 5147 ED-TL&L

RED 5517 ED-TL&L
Classroom Diagnosis and Development of Reading Proficiencies: PR: RED 5147 or equivalent. Classroom diagnosis and corrective teaching in reading: instructional materials. Case study required. Even Fall, Spring.

RED 5948 ED-TL&L
Practicum in Reading Assessment and Instruction: PR: RED 5517. Practicum that requires application of reading assessment and instruction in order to increase reading proficiency of struggling readers. Concurrent K-12 field experiences required. Fall, Spring.

REE 3043 BA-FIN
Fundamentals of Real Estate: PR: Junior standing. Application of basic tools of economics, finance, and marketing to solve private and public sector real estate problems. Fall, Spring.

REE 3433 BA-FIN
Real Estate Law: PR: Junior standing. Analysis of key real estate laws with emphasis on Florida statutes and case law. Fall, Spring.

REE 3614 BA-FIN
Environmental Issues for Real Estate: PR: REE 3043, REE 3433, open to majors or minors which require this course. Political, cultural, institutional and scientific mechanisms which shape environmental policy. The effects of hazard, risk and uncertainty in policy development. Occasional.

REE 4103 BA-FIN

REE 4203 BA-FIN
Commercial Real Estate Finance: PR: FIN 3403; open to majors or minors which require this course. The practice of commercial real estate finance; emphasis on lender and borrower decision making and secondary markets. Occasional.

REE 4204 BA-FIN
Residential Real Estate Finance: PR: FIN 3403; open to majors or minors which require this course. Study of the practice of residential real estate finance; emphasis on lender and borrower decision making and secondary markets. Fall, Spring.

REE 4303 BA-FIN

REE 4312 BA-FIN
Real Estate Market Analysis: PR: REE 3043. Course applies finance and economic tools to housing and commercial markets, emphasis on urban housing, real estate brokerage, effects on market performance and development. Fall.

REE 4732 BA-FIN
Real Estate Development: PR: FIN 3403. The real estate development process, from the inception of a project through to lease-up, long-term financing, and final sale to the investment community. Fall.

REE 4933 BA-FIN
Advanced Topics in Real Estate: PR: FIN 3403 and REE 3433, or department approval. Advanced topics in real estate development, investment analysis, and market analysis. Cases cover the entire planning process for a real estate development or redevelopment project. Occasional.
REL 2300 CAH-PHIL 3(3,0) World Religions: Basic features and historical background of Confucianism, Taoism, Hinduism, Buddhism, Judaism, Christianity, and Islam. Fall,Spring.


REL 3101 CAH-PHIL 3(3,0) Religion in Popular Culture: PR: REL 2300, REL 2300 or C.I. Exploration of traditional religion in popular culture and popular culture as non-traditional religion by means of various perspectives with emphasis on the religious dynamics involved but often unnoticed in popular (secular) culture. Fall.

REL 3111 CAH-PHIL 3(3,0) Religion and Philosophy Through Film: PR: ENC 1102 and either PHI 2010 or REL 2300 or FL 1000. An introduction to the accepted philosophical theories encountered in contemporary film. It unites religion, philosophy and film by means of a critique of cultural productions of meaning, value and purpose. Occasional.

REL 3112 CAH-PHIL 3(3,0) Religion and 20th Century Fantasy Texts: PR: HUM 2210 or REL 2300, Contemporary spiritual sensibilities encountered at the intersection of religion, philosophy, and popular music. Odd Fall.


REL 3320 CAH-PHIL 3(3,0) Moses, Jesus and Muhammad: PR: HUM 2230, REL 2300, or C.I. Major themes of Judaism, Christianity, and Islam as found in the teachings of Moses, Jesus, and Muhammad. Occasional.

REL 3333 CAH-PHIL 3(3,0) Hinduism: PR: HUM 2230, REL 2300, or C.I. A survey of Hinduism and Hindu thought and culture from Vedic times to the Upanishads, Epic Literature to the modern age. Even Spring.

REL 3340 CAH-PHIL 3(3,0) Buddhism: PR: HUM 2230 or REL 2300 or C.I. An introduction to Buddhist thought, practices, cultures and history. It notes the development of Buddhism throughout South-East Asia, East Asia, Tibet and the West. Odd Fall,Spring.

REL 3363 CAH-PHIL 3(3,0) Islam: PR: REL 2300 or C.I. Development of Islamic religious thought and culture, emphasizing the teachings of the Qur’an, Hadith, Islamic law, and philosophy with special focus on perceptions of Islam in the West. Fall.

REL 3403 CAH-PHIL 3(3,0) Christianity: PR: REL 2300. A study of Christianity and the history of its associated beliefs, rituals, and art with special attention to issues concerning human nature, social justice, the state, just war, science, and attitudes toward women. Occasional.

REL 3432 CAH-PHIL 3(3,0) Roots of Western Mysticism: PR: HUM 3431, HUM 3435, REL 3403, REL 3320, PHH 3300, or PHH 3320. Ancient, medieval, and early modern European mysticism, and its influences on religious, philosophical, artistic, and scientific thought in the West. Even Fall,Odd Spring.

REL 4110 CAH-PHIL 3(3,0) Religion and the Arts: PR: At least one of the following: HUM 2210, HUM 2220, APH 2000, APH 2051, or REL 2300. Art, music, dance, and ritual practices in religious traditions, with an emphasis on contemporary society. Occasional.

REL 4157 CAH-PHIL 3(3,0) Religion and Psychoanalysis: PR: REL 2300 and ENG 1102. An exploration of the approaches toward medicine and healing in different religious traditions, both in the US and abroad. Occasional.

REL 4178 CAH-PHIL 3(3,0) Religion and Law: PR: POS 2041, Ideas and events which marked the relationship of religious ideation and practice, law and politics and cultural values which inform them. Fall.

REL 4180 CAH-PHIL 3(3,0) Religion and Medicine: PR: Junior standing and REL 2300 or C.I. Medical study of the approaches toward medicine and healing in different religious traditions, both in the US and abroad. Occasional.

REL 4180H CAH-PHIL 3(3,0) Honors Religion and Medicine: PR: ENC 1102H, Junior standing and Consent of Honors. A comparative study of the approaches toward medicine and healing in different religious traditions in the U.S. and in the wider world. With Honors content. Occasional.


REL 4901 CAH-PHIL 1(1) Portfolio: PR: Senior standing as HumanitiesReligious Studies track major. Presentation of a representative sampling of a student's best undergraduate work, with appropriate revision, including a cover narrative indicating development of knowledge and skills in the subject area. Graded S/U. Occasional.

REL 4910 CAH-PHIL 3(3,0) Senior Research Seminar: PR: Senior standing and Religious Studies major, or C.I. Capstone course on research, developing effective oral and written communication skills. Spring.

REL 4936 CAH-PHIL 3(3,0) Key Figures in Religion and Cultural Studies: PR: REL 2300, or C.I. Study of a central figure's work, influences, and effect. May be repeated for credit only when course content is different. Occasional.

RMI 3011 BA-FIN 3(3,0) Principles of Risk and Insurance: PR: FIN 3403. Emphasis is on insurance as a risk-handling device, with attention given to risk assumption, risk avoidance, and loss prevention. Spring.

RTV 3457C HPA-HP 2.5(1,5) Principles of Radiographic Exposure II: PR: RTE 3418C or C.I. Study of technical and photographic processing variables influencing conventional, radiographic and digital image quality. Spring.

RTV 2100 COS-COMM 3(3,0) Writing for the Electronic Media: PR: ENC 1102, RTV Major. Practical experience in writing for various electronic media including radio, television, corporate, and digital media. Scripting requirements, writing styles and creative applications. Fall,Spring.

RTV 3007 COS-COMM 3(3,0) Development and Structure of Electronic Media and New Technology: PR: SPC 1608 or SPC 1603C or COM 1000 or C.I. Nature of the media, the mechanics of operation of analog and digital systems, history, economics, programming, and internal and external controls. Fall,Spring.
RTV 3601C COS-COMM 3(2,1)
Broadcasting and Performance: PR: RTV Major, Junior standing, and C.I. Development of performance skills and techniques required to be a performer in any area of broadcast television and performing industry, with emphasis on announcing, interviewing, reporting, auditioning, performance in scenes and commercials. Expect extensive studio work in the RTV facility outside of class. Fall/Spring. M&S fee $10.00

RTV 3912 COS-COMM 3(3,0)
Collaborative Experiential Research Practicum: PR: Either SPC 1606, SPC 1603 or COM 1000, and C.I. Students will work as research assistants in a team, under faculty supervision, and learn firsthand the process of conducting communication/social scientific research. May be repeated for credit. Any area of broadcast television and performing industry, with emphasis on announcing, interviewing, reporting, auditioning, performance in scenes and commercials. Expect extensive studio work in the RTV facility outside of class. Fall/Spring. M&S fee $20.00

RTV 4681C COS-COMM 4(1,3)
Television Journalism Specialization: PR: RTV 3504 and RTV Major. Broadcast Journalism Specialization or C.I. Production of weekly campus newscast. Daily newsgathering and production decisions are conducted by students under the advisement of the instructor functioning as news director. Students should expect significant work in the RTV lab facility outside of class. Fall/Spring. M&S fee $20.00

RTV 4682C COS-COMM 3(2,1)
Advanced TV News: PR: RTV 4681C, RTV Majors only and C.I. Supervised broadcast news experience and/or practice in the weekly UCF news program. Students should expect significant work in the RTV lab facility outside of class. Occasional.

RTV 4700 COS-COMM 3(3,0)
Regulation of Broadcasting: PR: RTV Major or Mass Comm. minor, and RTV 3007. Federal, state, local and self-regulatory agencies and practices which govern electronic media. Fall/Spring.

RTV 4800 COS-COMM 3(3,0)
Broadcast Management: PR: RTV Majors only. Examination of broadcast management problems in station operations at local, regional, and national levels. Spring.

RUS 1120 CAH-LANG 4(4,1)
Elementary Russian Language and Civilization I: PR: Instructor. Russian culture and civilization through a variety of oral presentations as well as production and delivery of real-life dialogues. Occasional.

RUS 1121 CAH-LANG 4(4,1)
Elementary Russian Language and Civilization II: PR: RUS 1120 or equivalent. Continuation of RUS 1120. Occasional.

RUS 2200 CAH-LANG 3(3,0)

RUS 2201 CAH-LANG 3(3,1)
Intermediate Russian Language and Civilization II: PR: RUS 2200 or equivalent. Continuation of RUS 2200, with emphasis on Russian civilization. Occasional.

RUS 2210 CAH-LANG 3(3,0)
Intensive Russian Conversation: PR: One year of Russian or equivalent. Practical use of the language, leading to fluency and correctness in speaking. Occasional.

RUS 3240 CAH-LANG 3(3,0)
Russian Conversation: PR: RUS 2201 or equivalent. Development of skills in conversation and comprehension through practice. Occasional.

RUS 3760 CAH-LANG 3(3,0)
Advanced Russian Oral Communication: PR: RUS 2201 or equivalent. Vocabulary building with systematic training in diction and location. Speeches and oral presentations as well as production and delivery of real-life dialogues. Occasional.

RUT 3505 CAH-LANG 3(3,0)
Russian and Civilization: PR: ENC 1102 or C.I. Russian culture and civilization through a variety of topics and media. Occasional.

SCC 3003 HPA-CJ 3(3,0)

SCC 3311 HPA-CJ 3(3,0)
Security Administration: Discussion of modern security administration and the security-law enforcement interface, emphasizing a systems approach and utilizing the design of a security plan for a plant. Occasional.

SCC 3316 HPA-CJ 3(3,0)

SCE 3310 ED-TL&L 4(4,0)
Teaching Science in Elementary School: PR: EDG 4410 or C.I. CR: SCE 3940. Course objectives for a school curriculum and methods and materials for the middle grades and high school. Fall and Spring. M&S fee $10.00

SCE 4361 ED-TL&L 3(3,0)
Programs in Teaching Science: PR: Admission to the Bachelor of Science in Science Education program or C.I. Special programs, strategies, and materials for middle and secondary school science education majors. Spring.

SCE 5325 ED-TL&L 3(3,0)
Teaching Middle School Science: PR: EDG 4415, TRM 3505, and C.I. Introduction to the pre-service education requirements for the Science Endorsement. Fall/Spring.

SCE 5836 ED-TL&L 3(3,0)
Issues and Methods in Secondary School Science: PR: EDG 4415, TSL 5085, or admission to MED program or Initial Teacher Preparation certificate. Course objectives for a school curriculum and methods and materials for the middle and high school science curriculum. Fall/Spring.

SLS 1282 ED-CFCS 1(1,0)
Foundations of American University Life: PR: C.I. Orientation of international students to American cultural contexts. Success through active, learner-centered dynamics. Methods to sustain student success beyond the first year and the university. Fall/Spring.

SLS 1501 ED-CFCS 1-3(3,0)
Strategies for Success in College: PR: First time in College (FTC) standing or C.I. Development of life-skills necessary for the contemporary student to appropriately adjust to college requirements that lead to self-mastery and the total concept of lifetime wellness. Fall/Spring.

SLS 2311 ED-CFCS 2(2,1)
Overview of Select Medical Careers: An overview of the pre-health professions process for careers in medicine, dentistry, veterinary, optometry, pharmacy, podiatry, and chiropractic. Spring.

SOP 2772 COS-PSYCH 3(3,0)
SOP 3004 COS-PYCH 3(3,0) Social Psychology; PR: PSY 2012. Effects of social situations on social variables on the behavior of individuals. Fall, Spring.

SOP 3723 COS-PYCH 3(3,0) Cross Cultural Psychology; PR: PSY 2012. Exploration of theories, issues, and research concerned with the psychological understanding of under-represented minority groups. Odd Spring.

SOP 3724 COS-PYCH 3(3,0) Psychology of Prejudice; PR: PSY 2012. Examination of literature relating to prejudice toward groups and individuals, development and maintenance of prejudice, and possible ways to reduce prejudice. Even Spring.

SOP 3742 COS-PYCH 3(3,0) Psychology of Women; PR: PSY 2012. Examination of the biological impact of changing sex roles on women in modern society. Topics include child rearing, working women, and sex differences in personality and cognition. Fall, Spring.

SOP 3751 COS-PYCH 3(3,0) Legal Aspects of Psychology; PR: PSY 2012 or SYG 2000 or C.J. Ethical and legal dilemmas and issues in the practice of psychology. Occasional.

SOP 3784 COS-PYCH 3(3,0) Psychology of Diversity; PR: PSY 2012. A review of the contributions of psychology to the understanding of human diversity related to ethnic background, gender, sexuality, and belief systems. Occasional.

SOP 5059 COS-PYCH 3(3,0) Advanced Social Psychology; PR: SOP 300C. Graduate status or senior standing, or C.J. The major findings and theories in social psychology including an in-depth review of relevant research. Occasional.

SOW 2020 HPA-SOWK 3(3,0) Careers in Creative Social Change: Introduces the student to the field of social services, with emphasis on the social work profession and other careers that create social change. Fall.

SOW 3104 HPA-SOWK 3(3,0) Human Behavior and the Social Environment I: PR: Junior standing or C.J. Skill development in assessing “person-in-environment” throughout life cycle. Study interaction of bio-psychosocial, cultural, and systemic influences on human functioning. Open to non-majors and pending social work majors. Fall.

SOW 3111 HPA-SOWK 3(3,0) Human Behavior and the Social Environment II: PR: Admission to BSW Program and SOW 3104. Development of skills in assessing families, groups, organizations, and communities, their impact on human functioning, and their potential for providing social support. Spring.

SOW 3284 HPA-SOWK 3(3,0) Social Work Perspectives on Social Justice: PR: Junior Standing or C.J. Examination of the social justice mission of the social work profession. Addresses professional values, the rights of populations served, and justice within practice fields. Fall, Spring.


SOW 3352 HPA-SOWK 3(1,2) Practice II: Interpersonal Skills in Social Work:: PR: SOW 3300, or PR or CR: SOW 3300. Study and practice of interviewing, group leadership, written communication, and oral presentations, in consensual as well as confessional contexts of social work. Spring.

SOW 3401 HPA-SOWK 3(3,0) Social Work Research: PR: STA 2014C or STA 2023. Study of quantitative and qualitative methods of building knowledge for social work and the ethical use of research in professional practice. Spring.

SOW 3620 HPA-SOWK 3(3,0) Culturally Competent Social Work Practice: PR: SOW 3284 and SOW 3104, or PR or CR: SOW 3300. Social work intervention and skill development needed to serve oppressed groups. Spring.

SOW 3740 HPA-SOWK 3(3,0) Social Work Practice with Loss & Life’s Transitions: PR: Junior Standing or C.J. A wide range of losses across the life cycle will be examined from a strengths perspective. Assessment & intervention recognizing cultural differences will be addressed. Fall.

SOW 4148 HPA-SOWK 3(3,0) Introduction to Military & Veteran Culture for Social Work Practice: PR: Junior standing; CR: SOW 3304 or C.J. An overview of the military experience and the role of social workers providing services within their role. Fall.

SOW 4223 HPA-SOWK 3(3,0) Human Behavior and Social Environment II: PR: Junior Standing. Study of theories and skills of social work practice with immigrants and refugees; specifically addressing social policies, programs and legal issues impacting from a national and an international perspective. Fall.

SOW 4314 HPA-SOWK 3(1,2) Micro-Level Roles and Interventions in Social Work Practice: PR: SOW 3300, SOW 3352, or HPA-SOWK 3(3,0). Study and simulated practice of roles and tasks in systemic problem solving with individuals, families and supportive and remedial groups. Fall.

SOW 4522 HPA-SOWK 3(2,1) Field Education Seminar: PR: Completion of all other required social work courses for the major and CR: SOW 4941. Weekly seminar to examine the field experience and to relate theory with practice situations. Spring.

SOW 4525 HPA-SOWK 3(3,0) Social Work with Immigrants and Refugees: PR: SOW 4232 and Junior Standing. An in-depth examination of the work practice with immigrants and refugees, specifically addressing social policies, programs and legal issues impacting from a national and an international perspective. Fall.

SOW 4673 HPA-SOWK 3(3,0) Social Work Practice: The Lesbian, Gay, Bisexual, Transgendered (+) Experience: PR: SOW 3284, SOW 3300, and Junior standing or C.J; CR: SOW 3620. Social orientation and cultural diversity, power and resources affecting lesbian, gay, bisexual, transgendered (+) people, community based therapeutic and preventive interventions. Even Spring.

SOW 4674 HPA-SOWK 3(3,0) Social Work Practice: Prevention and Treatment of Adolescent and Adult Substance Abuse: PR: Junior Standing. An in-depth review of prevention, intervention, and treatment recovery and relapse issues and public policies regarding adolescents with substance abuse problems. Even Fall, Spring.

SOW 4706 HPA-SOWK 3(3,0) Intervention with Substance Abusers: PR: Junior Standing. Strategies for working with persons who abuse alcohol, other drugs and substances. Fall, Even Spring.

SOW 505E HPA-SOWK 3(3,0) Documentation in Social Work Practice: PR: SOW 3300 and SOW 3352. For Social Work majors only. Development of documentation skills for the delivery of social work services in various agency settings. Fall.

SOW 5105 HPA-SOWK 3(3,0) Human Behavior and Social Environment I: Individual: PR: Admission to MSW program. Study of human development and psychosocial functioning of individuals at various life stages with particular attention to implications of human diversity. Fall.

SOW 5106 HPA-SOWK 3(3,0) Human Behavior and Social Environment II: Social Systems: Study of the patterns and dynamics of families, groups, organizations, and communities from a social work and a systems perspective. Spring.

SOW 5132 HPA-SOWK 3(3,0) Diverse Client Populations: Study of human diversity, focusing on the needs, resources, problems, and service issues of several identified minority client populations. Spring.

SOW 5149 HPA-SOWK 3(3,0) Military and Veteran Culture with Historical Frameworks: PR: Admission to Master of Social Work program or C.J. Thorough analysis of military and veteran systems. Provides the frameworks to assist social workers in better understanding, communicating and practicing with military and their families. Fall.

SOW 5235 HPA-SOWK 3(3,0) Social Welfare Policies and Services: Study of societal responses to human needs; forces shaping social welfare systems; introduces frameworks for analyzing social policies and services Fall.

SOW 5305 HPA-SOWK 3(3,0) Social Work Practice I: Generalist Practice: Study of social work functions, knowledge, values, roles and skills; the use of a generalist model of practice. Fall.

SOW 5306 HPA-SOWK 3(3,0) Social Work Practice II: Intervention Approaches: Study of selected social work theories, strategies, and techniques for helping people and improving system responsiveness to human needs. Spring.
Leadership Through Oral Communication: PR, or CR- COM 3311 or C.I. Investigation of leadership and leadership in problem solving. Fall, Spring.

Argumentation and Debate: PR: One of the following: SPC 1608, SPC 1603C, COM 1000, or C.I. Study and practice in the preparation and delivery of argumentative speeches emphasizing argument, evidence, and organization. Occasional.

Honors Argumentation and Debate: PR: Consent of Honors and one of the following: SPC 1608, SPC 1603C, COM 1000, or C.I. Advanced study and practice in the preparation and delivery of argumentative speeches emphasizing argument, evidence, and organization. Occasional.

Nonverbal Communication: PR: or CR: COM 3311, or C.I. Review of current behavioral research in such areas as proxemics, kinesics, physical characteristics, tactile communication, and paralanguage. Lectures are supplemented by frequent nonverbal exercises. Fall, Spring.

Group Dynamics: PR: or CR: COM 3311, or C.I. Human behavior in group situations. Fall, Spring.

Persuasion and Communication: PR: or CR: COM 3311, or C.I. A survey of the immediate and direct ways in which persuasive communication and social groups come to influence attitudes. Fall, Spring.

Aquatic Management: PR: Admission to the Sport and Exercise Science Program or Community Sport and Fitness Minor, and minimum overall 2.5 GPA. Focuses on management and operation of sport and exercise science facilities with specific focus on fiscal management. Fall, Spring.

Public Relations in Sport and Exercise Science: PR: Admission to the Sport and Exercise Science Program or Community Sport and Fitness Minor, and minimum overall 2.5 GPA. Examining the role of public relations and media with specific application to sport and exercise science professionals. Fall, Spring.

Fiscal and Facilities: Issues in Sport and Exercise Science: PR: Admission to the Sport and Exercise Science Program or Community Sport and Fitness Minor, and minimum overall 2.5 GPA. Design, maintenance, and operation of sport and exercise science facilities with specific focus on fiscal management. Fall, Spring.

Legal Issues in Sport and Exercise Science: PR: Admission to Sport and Exercise Science program and minimum overall 2.5 GPA. Examination of the legal issues and problems encountered by sport and exercise science professionals. Fall, Spring.

Introduction to Sports Administration: PR: C.I. This course will provide an overview of the sports industry. Fundamental leadership administration and research theories as well as information on current issues are emphasized. Occasional.

Marketing and Promoting Sports and Fitness Programs: PR: C.I. Introduces participants to all aspects of sports marketing including planning, organizing, marketing, evaluating, and conducting special and sport events. Occasional.

Financial Issues in Sports and Fitness: PR: C.I. Examines basic financial concepts including understanding annual reports, developing budgets, financial analysis, and examining methods for increasing revenue and controlling cost in the sport industry. Occasional.

Honors Elementary Spanish Language and Civilization I: PR: Permission of Honors. Introduces the student to Spanish culture through the major language skills: listening, speaking, reading, and writing. Open only to students with no experience in this language. Honors-level content. Occasional.

Elementary Spanish Language and Civilization I: Introduces the student to Spanish culture through the major language skills: listening, speaking, reading, and writing. Open only to students with no experience in this language. Fall, Spring.

Elementary Spanish Language and Civilization II: PR: SPC 1120C or equivalent. Continuation of SPC 1120C. Fall, Spring.

Honors Elementary Spanish Language and Civilization II: PR: SPC 1120C or equivalent. Same as SPC 1121C with honors-level content. Occasional.

Intermediate Spanish Language and Civilization I: PR: SPC 1120C or equivalent. Development of language skills and cultural knowledge at the intermediate level. Fall, Spring.

Intermediate Spanish Language and Civilization II: PR: SPC 2200 C or equivalent. Development of language skills and cultural knowledge at the intermediate level. With honors content. Fall.

Intermediate Spanish Language and Civilization II: PR: SPC 2200 or equivalent. Continuation of SPC 2200, with emphasis on Spanish civilization. Occasional.

Spanish Conversation: PR: SPC 2201 or equivalent. Development of skills in conversation and comprehension through practice. Occasional.

Spanish for Native Speakers: PR: Must be a native speaker. Intensive Spanish for native speakers who have had little or no formal training in the language. Occasional.

Advanced Spanish for Native Speakers: PR: SPC 2340 or C.I. This course is the continuation of SPC 2340 geared towards native speakers and will complete the remaining grammatical topics as well as emphasize composition skills. Occasional.

Modern Spanish Civilization Study Abroad: PR: SPC 2340 or C.I. This intensive course will focus on modern Spanish culture using examples from present day society. Cultural values and traits are essential components of this course. Occasional.

Business Spanish I: PR: SPC 2200 and SPC 2201 or equivalent. Basic business terminology, business culture, and business topics related to the Hispanic World. Odd Fall.


Business Spanish III: PR: C.I. Continuation of Business Spanish II. Even Fall.

Advanced Directed Readings: PR: SPC 2201 or C.I. Use literary and general Spanish texts to develop reading comprehension and analysis skills. Course intended for non-natives and heritage speakers of Spanish. Fall, Spring.

Advanced Spanish Grammar and Composition: PR: SPC 2201 or equivalent. Advanced Spanish grammatical topics, idiomatic expressions, and continued development of writing skills based on the newly acquired concepts. Fall, Spring.

Advanced Rhetoric for Spanish Communication: PR: SPC 2201, or C.I. Designed for Spanish native speakers and advanced non-native speakers to improve their language skills. Students work on projects individually or in groups according to their own interests. Occasional.

Advanced Spanish Native Fluency I: PR: SPC 3300 or C.I. Advanced grammatical topics and composition skills for native or near-native fluency speakers. Fall.

Advanced Spanish Native Fluency II: PR: SPC 3340 C-I. Continuation of Advanced Spanish Native Fluency I emphasizing the remaining grammatical topics and composition skills. Spring.

Practice in Modern Spanish Grammar: PR: SPC 2201 or C.I. This intensive course will provide the advanced student with practice and drill in modern Spanish using native texts. Occasional.

Spanish Composition: PR: SPC 2201 or equivalent. Development of skills in composition. Fall, Spring.

Contemporary Spanish Culture Abroad: PR: SPC 2241 or C.I. This course will focus on contemporary Spanish culture presented through classroom lectures and discussions, assigned reading and scheduled activities. Occasional.

Advanced Spanish Oral Communication: PR: SPC 2240 or equivalent. Vocabulary building with systematic training in dictation and location. Speeches and oral presentations as well as production and delivery of real-life dialogues. Fall, Spring.


Advanced Spanish Conversation: PR: SPC 3760, SPC 3420, and SPC 3300 or C.I. C.I. Use of general and advanced Spanish texts to develop reading comprehension and analysis skills. Course intended for non-natives and heritage speakers of Spanish. Fall, Spring.

Advanced Spanish Conversation: PR: SPC 3760, SPC 3420, and SPC 3300 or C.I. Advanced conversation on directed topics from various disciplines: literature, art, psychology, philosophy, music, business, and the sciences. Fall.

Advanced Spanish Conversation: PR: SPC 3760, SPC 3420, and SPC 3300 or C.I. C.I. Use of general and advanced Spanish texts to develop reading comprehension and analysis skills. Course intended for non-natives and heritage speakers of Spanish. Fall, Spring.

Advanced Spanish Conversation: PR: SPC 3760, SPC 3420, and SPC 3300 or C.I. C.I. Use of general and advanced Spanish texts to develop reading comprehension and analysis skills. Course intended for non-natives and heritage speakers of Spanish. Fall, Spring.

Advanced Spanish Conversation: PR: SPC 3760, SPC 3420, and SPC 3300 or C.I. C.I. Use of general and advanced Spanish texts to develop reading comprehension and analysis skills. Course intended for non-natives and heritage speakers of Spanish. Fall, Spring.
Even analyze acquisition of knowledge gained from methods

Graduate standing or C.I. Students will understand IQ

Enhancing Individual and Student IQ: speaking, reading, and writing.

historical development of phonetic, morphological, and

PR: Graduate

Spanish dialectology:

Spanish morphology, syntax, semantics, and phonology as

Introduction to Spanish Linguistics:

the salient characteristics of Spanish culture and civilization.

Spanish civilization and culture: From Pre-Columbian times to the present. Conducted in Spanish. Occasional.

Spanish civilization and culture: From Pre-Columbian times to the present. Conducted in Spanish. Occasional.

Spanish phonetics: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Students will learn the basic principles of Spanish pronunciation and perfect the correct punctuation of Spanish through intensive practice and oral drill. Occasional.


Spanish literature and its influence abroad. Occasional.

Spanish morphology: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Types of roots, affixes and words resulting from morphological rules in Spanish, covering the nominal, adjectival, verbal, pronominal and adverbial domains, and acronyms. Occasional.

Spanish history and culture: PR: Graduate status or senior standing or C.I. An analysis of the social characteristics of Spanish American culture and civilization. Occasional.

Spanish American culture and civilization: PR: Graduate status or senior standing or C.I. An introduction to Spanish linguistics: PR: Graduate status or senior standing or C.I. An introduction to main concepts and methods of analyses focusing on Spanish phonology, vocabulary, syntax, semantics, and pragmatics as well as dialectology and sociolinguistics. Occasional.

Spanish dialectology: PR: Graduate status or senior standing or C.I. This course is a survey of the diversity found within the Spanish language with respect to phonological constraints, morphosyntax, second language influences, and historical development. Occasional.

History of the Spanish Language: PR: Graduate status or senior standing or C.I. An overview of the linguistic characteristics of Latin and its evolution into Spanish with historical development of phonetic, morphological, and syntactic properties. Occasional.

AP Spanish Language: PR: Graduate status or senior standing or C.I. Participants will enhance their knowledge of the language and culture of Spanish-speaking peoples and develop further proficiency in listening, comprehesion, speaking, reading, and writing. Occasional.

Enhancing Individual and Student IQ: PR: Graduate standing or C.I. Students will understand IQ measurement and methods of enhancing IQ. Students will analyze acquisition of knowledge gained from methods of scientific inquiry regarding individual differences. Even Spring.

Building and Improving Relationship and Emotional Intelligence: PR: Graduate standing or C.I. Students will learn to develop and improve interpersonal and emotional intelligence and demonstrate an understanding of social emotional learning and how it enhances psychosocial wellbeing. Odd Spring.

Spanish for Tourism I: PR: SPN 3420. Students will learn to speak and understand Spanish specific for the tourism industry including field-specific techniques of communication, multicultural environments, an understanding of the Spanish language, and the needs of bilingual tourists. Occasional.

Spanish Translation and Interpretation: PR: Completion of 2000 level sequence or equivalent. Introduction to translation and interpretation, practical applications of theory applied to professional written and audio texts from Spanish to English and from English to Spanish. Fall, Spring.

Spanish Translation and Interpretation for Mass Communication: PR: SPN 3420. Translation and interpretation in mass communication using all forms of media. Even Spring.

Medical Spanish Translation and Interpretation: PR: SPN 2241 and SPN 3420. The basic Spanish terminology, techniques and ethics in the field of medical translation and interpretation. Odd Fall.

Computer Assisted Translation Tools: PR: SPN 3420 or C.I. Provides hands on experience with CAT (Computer Assisted Translation) tools that external translation and interpretation agencies require in their hiring profiles. Occasional.

The terminology, procedures and techniques, procedures, and literary theories. May be repeated for credit only when course content is different. Occasional.


Honors Nobel Prize Literature: Spain and Latin America: PR: Permission of Honors and Junior standing or C.I. Students will analyze, discuss and research English translations of Spanish and Latin American Nobel Prize-Winning writers. Through readings, students will explore the universality of Spanish literature. Occasional.

Survey of Spanish literature I: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Main literary currents and works from the Middle Ages through the Eighteenth century. Fall.

Survey of Spanish Literature I: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Main literary currents and works of the Nineteenth century to the present. Spring.

Survey of Latin-American Literature I: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Main literary currents and works from the colonial period to Nineteenth Century Romanticism. Fall.

Survey of Latin-American Literature II: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Main literary currents and works of the Nineteenth century from Realism to the present. Spring.

Modern Hispanic Theatre Workshop I: PR: C.I. Introduction to fundamental actor's technique and practice in Spanish. Short scenes will be performed in class. Occasional.

Modern Hispanic Theatre Workshop II: PR: SPW 3320. Participation in a theatre production of a play in Spanish. Open to majors in Spanish, Theatre and any other department with permission of instructor. Odd Fall.


Spanish Peninsular Culture and Civilization: PR: SPN 3420 and SPN 3300, or C.I. Major works by the leading authors of the 20th century. Texts selected are studied not only for their aesthetic value, but also in terms of their historical and cultural significance. Occasional.

Gold Age Drama: PR: SPW 3101 or C.I. A study of the drama of the Golden Age, with special emphasis on Lope, Tirso, Alarcon, and Calderon. The controversies of the Spanish theatre and its influence abroad are examined. Occasional.

Contemporary Iberian Theatre: PR: SPW 3101 or C.I. A study of the major playwrights and tendencies in contemporary Iberian theatre. Occasional.

Latin-American Narrative/essay: PR: SPW 3100 or SPW 3130 or SPW 3131 or SPW 3570 or C.I. Study of Latin-American narrative/essay (changing topics by semester) with emphasis in 20th century texts, contrasting techniques, procedures, and literary theories. May be repeated for credit only when course content is different. Occasional.

Latin-American Theatre/Poetry: PR: SPW 3100 or SPW 3101 or SPW 3130 or SPW 3131 or SPW 3370. Study of Latin-American theatre/poetry (changing topics by semester) with emphasis in 20th century texts, contrasting techniques, procedures, and literary theories. May be repeated for credit only when course content is different. Occasional.

Centro American and Latin American Literature: PR: SPW 3131 or C.I. This course familiarizes the student with literary works of prominent writers from Central America. It covers the different literary periods within Central America literary history, taught in Spanish. Occasional.

Contemporary Spanish Poetry: PR: SPW 3100 or SPW 3130 and SPW 3310, or SPW 3130 and SPW 3131, or C.I. A study of the Mexican and Latin American literary scene. Occasional.

Spanish literary theory: PR: SPW 3100 and SPW 3101, or SPW 3130 and SPW 3131, or C.I. A study of text-criticism with emphasis in the theory of genre. Occasional.

Nineteenth Century Spanish Literature: PR: SPW 3101 or C.I. A study of the representative authors and works in Spanish Romanticism, Realism, and Naturalism. Occasional.

Cervantes: PR: SPW 3100 or C.I. Don Quixote. Occasional.

The Generation of 1898: PR: SPW 3101 or C.I. A study of the generation's major authors and their works. Occasional.

Hispanic Literature of the United States: PR: SPW 3101 or SPW 3131 or C.I. Reading and study of outstanding works written by Hispanic writers of the United States. Occasional.
SPW 4770 CAH-LANG 3(3,0) Caribbean Spanish Literature: PR: SPW 3101 or SPW 3101 or C.I. An overview of the literature of the Spanish-speaking Caribbean countries from colonial times to the present. Occasional.

SPW 4772 CAH-LANG 3(3,0) Black Presence in Contemporary Latin American Literature: PR: SPW 3101 or SPW 3130 or EDG 6415. A focused and discussion of representative contemporary work of authors who have included the black character as part of their narrative. Occasional.


SPW 5741 CAH-LANG 3(3,0) Contemporary Spanish American Southern Cone Literature: PR: Enrolled in Spanish M.A. Program or C.I. Regional as well as international literature cultures and disciplines in southern cone literature. Occasional.

SPW 5795 CAH-LANG 3(3,0) Jewish Culture in Latin America: PR: Spanish M.A. program or graduate student proficient in Spanish. History of the arrival of Jews in Latin America and studies of Latin American Jewish culture and literature. Will be taught in Spanish, including all readings. Occasional.

SSE 3312 ED-TL&L 3(3,0) Teaching Social Science in the Elementary School: PR: EDG 4410 or C.I. Selected themes, problems, and concepts; organizing for instruction; development of an inquiry about the intersection of theory to Teacher Leadership MEd program or Initial Teacher Program. PR: EDG 6415 or admission. Fall, Spring.

SSE 4323 ED-TL&L 3(3,0) Teaching Civics in Florida: PR: POS 2041 and admission to Civics Teaching Certificate. Pedagogical skills for teaching civics including state mandates for teaching middle school civics and preparing middle school students for their End of Grade assessment. Spring.

SSE 4361 ED-TL&L 3(3,0) Social Science Instructional Analysis: PR: EDG 4410 and SSE 4936. CR: SSE 3940. Analysis of secondary (grades 6-12) social science instructional programs including development of objectives, materials, processes, and assessment procedures in light of current research and practice. Fall, Spring.

SSE 4395 ED-TL&L 3(3,0) Teaching with Primary Sources: PR: Minimum 2.5 overall GPA. This course focuses on the creation, teaching, and evaluation of effective instructional techniques that integrate primary sources into the teaching of social studies content. Occasional.

SSE 4936 ED-TL&L 3(3,0) Programs in Teaching Social Science: PR: Admission to the Bachelor of Science in Social Science Education program. Special programs, strategies, and materials for middle and secondary social science majors. Fall.

SSE 5391 ED-TL&L 3(3,0) Global Education: Theory and Practice: PR: Graduate standing or C.I. Examines the theoretical underpinnings of teaching about the world along with a variety of theoretically grounded teaching strategies for engaging students in global education. Spring.

SSE 5776 ED-TL&L 3(3,0) Democracy and Education: PR: Graduate standing or C.I. Focuses on the connection of theory and practice with regard to promoting democratic life in schools. Will examine competing theories of democracy and education, investigate problem areas in schools related to democracy, and consider examples of practice. Fall.

SSE 5790 ED-TL&L 3(3,0) Inquiry and Instructional Analysis in Social Science Education: PR: EDG 6415 or admission to Teacher Leadership MEd program or Initial Teacher Professional Preparation certificate. Study of instructional programs in social science education and related scholarship; development of an inquiry about the intersection of theory and practice in social science teaching. Occasional.

STA 1063C COS-STAT 3(2,1) Basic Statistics Using Microsoft Excel: Applications of Excel to analyzing data; single variable graphs and statistics; scatterplots; probability distributions; statistical inference. Fall, Spring.


STA 2023 COS-STAT 3(3,0) Statistical Methods I: PR: MGF 1106 or any other MAC course. First course methods covering probability and statistical inference, including estimation, hypothesis testing, binomial and normal distributions, sample size. Fall, Spring.

STA 2023H COS-STAT 3(3,0) Honors Statistical Methods I: PR: Permission of Honors. Calculus desired by necessary. Same as STA 2023 with honors-level content. Fall, Spring.

STA 3032 ECS-EMS 3(3,0) Probability and Statistics for Engineers: PR: MAC 2312 with a grade of “C” (2.0) or better. Axioms of probability; combinatorial and geometrical probability; probability and counting, random variables, distribution functions, sampling and sampling distributions; estimation and tests of hypotheses; engineering applications. Fall, Spring.

STA 3032H ECS-EMS 3(3,0) Honors Probability and Statistics for Engineers: PR: MAC 2312 with a grade of “C” (2.0) or better and honors standing. Fundamental probability and statistics principles, the underlying assumptions, the procedures for implementing and interpreting them. With honors content. Fall, Spring.

STA 3096 COS-STAT 3(3,0) Statistical Graphical Methods: PR: STA 2023 or STA 4322 and a knowledge of a programming language. Principles of graph construction, graphical perception, graphical methods, computer programs for graph construction. Occasional.

STA 4102 COS-STAT 3(3,0) Computer Processing of Statistical Data: PR: STA 4163 and knowledge of a programming language. Use of packages such as SAS, BMD, SPSS for data validation, description and analysis of data, regression and analysis of variance and covariance. Fall.

STA 4130 COS-STAT 3(3,0) Life Contingencies I: PR: STA 4163 (or old number STA 3183). Economics of insurance, utility theory, single premiums for insurance and annuities in both discrete and continuous cases. Net annual premium and net premium reserves. Fall.


STA 4133 COS-STAT 3(3,0) Loss Models I: PR: MAC 2313 and STA 4322. Distributional quantities, characteristics of actuarial models, continuous models, discrete distributions, frequency and severity with coverage modifications, aggregate Loss models, estimation for modified data, frequentist estimation. Spring.


STA 4163 COS-STAT 3(3,0) Statistical Methods II: PR: STA 2023 or STA 3032. Not open to students with credit in STA 4165. Methods of analyzing data, statistical models, estimation, tests of hypotheses, regression and correlation, an introduction to analysis of variance, chi-square, and nonparametric methods. Fall, Spring.

STA 4164 COS-STAT 3(3,0) Statistical Methods III: PR: STA 4163. A continuation of STA 4163, including further study of regression, analysis of variance and covariance and multiple comparisons. Fall, Spring.

STA 4173 COS-STAT 3(3,0) Biostatistical Methods: CR: STA 4163 or C.I. Applied statistical principles and methods applied to problems in medical, biological, and health sciences. Occasional.

STA 4183 COS-STAT 3(3,0) Theory of Interest: PR: STA 4112 (or equivalent) and STA 2023. Measurement of simple and compound interests, accumulated and present values factors. Annuities certain, yield rates, amortization schedules and sinking funds. Bonds, securities and related funds. Fall.

STA 4184 COS-STAT 3(3,0) Introduction to Derivative Markets: PR: STA 4183 or C.I. Cash flow and profits for simple options and forwards, hedging strategies, Black-Scholes option pricing, simple swaps, portfolio management with derivatives, duration analysis, callable bonds. Spring.

STA 4186 COS-STAT 3(3,0) Theory of Derivative Pricing: PR: STA 4184 or C.I. Assumptions of derivative pricing, put-call parity, binomial pricing, market making, delta hedging, exotic options, distinct Monte Carlo distributions, Brownian motion, interest rate models. Spring.


STA 4502 COS-STAT 3(3,0) Nonparametric Statistical Methods: PR: STA 2023 or STA 3032. Distribution-free tests on location and dispersion, goodness of fit tests, tests of independence, measures of association, nonparametric analysis of variance. Occasional.


STA 4684 COS-STAT 3(3,0) Statistical Quality Control: PR: STA 2023 or STA 3032. Statistical concepts and methods applied to the control of quality of manufactured products. Occasional.


STAT 5045 COS-COMM 3(3,0) Statistical Analysis of Communication Data: PR: STA 2023 or C.I. Descriptive statistics; correlation; bivariate, multiple, and logistic regression; reliability and validity; effect size, power, confidence intervals; one and two sample tests; ANOVA; categorical data analysis. Fall,Spring.

STAT 5104 COS-COSTAT 3(3,0) Advanced Computation Processing of Statistical Data: PR: STA 4162 and knowledge of a programming language, graduate status or senior standing, or C.I. Use of SAS and other statistical software packages; data manipulation; graphical data presentation; data analysis; creating analytical reports. Fall.

STAT 5176 COS-COSTAT 3(3,0) Introduction to Biostatistics: PR: STA 4163 or STA 4173; graduate status or senior standing, or C.I. Fixed-effects model, random-effects model, repeated measures design, logistic regression, survival analysis, Kaplan-Meier estimates, proportional hazards model. Occasional.

STA 5205 COS-COSTAT 3(3,0) Experimental Design: PR: STA 4164, STA 5206 or ESI 5219, and graduate status or senior standing, or C.I. Construction and analysis of designs for experimental investigations; Blocking, randomization, replication; Incomplete block designs; factorial and fractional designs; design resolution. Spring.

STA 5206 COS-COSTAT 3(3,0) Statistical Analysis: PR: STA 2023; not open to students who have completed STA 4164. Graduate status or senior standing or C.I. Data analysis; statistical models; estimation; tests or hypotheses; analysis of variance, covariance, and multiple comparisons; regression and nonparametric methods. Fall.

STA 5505 COS-COSTAT 3(3,0) Categorical Data Methods: PR: STA 4163 or STA 5206, and graduate status or senior standing or C.I. Considers discrete probability distributions, contingency tables, measures of association, and advanced methods, including loglinear modeling, logistic regression, McNemar's Test, Mantel-Haenszel test. Occasional.

STA 5703 COS-COSTAT 3(3,0) Data Mining Methodology I: PR: STA 5104 and STA 5206, graduate status or senior standing, or C.I. Supervised data mining tools including boosting trees; SVM machine, regression, and neural network will be covered. The Enterprise Miner (R or Python) will be used. Fall.

STA 5825 COS-COSTAT 3(3,0) Stochastic Processes and Applied Probability Theory: PR: STA 5263, and graduate status or senior standing or C.I. Conditional probability and conditional expectations, sequences of random variables, branching processes, random walks, Markov chains, recurrent events, renewal theory, queuing theory, and simple stochastic processes. Spring.

SYA 3110 COS-COSOC 3(3,0) Social Theory: PR: SYG 2000 or SYG 3000H. Examines major theoretical perspectives in sociology, from foundational theories that contributed to the development of the discipline to today. Fall, Spring.

SYA 3352 COS-COSOC 3(3,0) Spatial Sociology I: Intro to GIS: PR: SYG 2000 or SYG 2012. The basics of GIS as it applies to issues in society including, but not limited to those related to criminology, medical, urban, and environmental sociology. Fall.

SYA 3400C COS-COSOC 4(3,1) Applied Social Statistics: PR: STA 4231; graduate status or senior standing or C.I. CR: SYA 4300C required. Application of statistical techniques to sociological data as conducted in the research and writing of social scientists. Focus is on the analysis and interpretation of data used by sociologists. Fall.

SYA 4300C COS-COSOC 4(3,2) Research Methods: PR: Junior standing and grade of "C" (2.0) or better in SYG 2000. Sociology or Social Sciences majors only, or C.I. Designed to introduce data collection and sampling techniques, proposal development, critical evaluation of social research, and relationship between theory and social research. Fall.

SYA 4310C COS-COSOC 4(3,1) Qualitative Research Analysis in Sociology: PR: SYA 4300C. Advanced research design and analysis focusing on qualitative research methodologies in sociology. Emphasizes data collection, management, analysis, interpretation, integration, presentation, and report writing. Occasional.

SYA 4450 COS-COSOC 3(3,0) Data Analysis: Capstone: PR: Junior Standing and grade of "C" (2.0) or better in SYA 4300C and SYA 3400C. Sociology or Social Sciences majors only, or C.I. Advanced social research design and analytical skills. Emphasis on social data management, various modes of social data analysis, interpretation, integration, presentation, and report writing. Spring.


SYA 4900 COS-COSOC 3(3,1) Applied Sociology: PR: SYA 4300C. How sociology is used outside academia to apply research methods in an applied research setting, and complete an applied research project. Odd Spring.

SYA 5625 COS-COSOC 3(3,0) ProSeminar: PR: Graduate standing or C.I. Survey of conceptual issues, methodological concerns, and findings in substantive sociological areas that currently dominate scholarly inquiry, including such topics as crime, deviance, community, alcoholism, education. Fall.


SYD 3700 COS-COSOC 3(3,0) Race and Ethnicity: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. Theoretical analysis of the emergence, maintenance, and disruption of patterns of racial and ethnic stratification. Fall, Spring.

SYD 3800 COS-COSOC 3(3,0) Sex and Gender in Society: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. Examination of sex and gender in society, as reflected in social norms, attitudes and beliefs, and in private and public practices, and social institutions. Fall, Spring.


SYD 4810 COS-COSOC 3(3,0) Women in Contemporary Society: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. Examination and evaluation of the status of women in the context of the major social institutions (e.g., family, education, religion, economy and politics). Fall, Spring.


SYD 4820 COS-COSOC 3(3,0) Men, Masculinities and Society: PR: SYG 2000, SYG 2010 or Junior Standing. Explores the role that masculinity and movement play in social life from a sociological perspective. Occasional.

SYD 5517 COS-COSOC 3(3,0) Environment and Society: PR: Graduate standing or C.I. The application of sociological theory and methods to the relationships between communities, societies, and the environment. Occasional.

SYD 5795 COS-COSOC 3(3,0) Class, Race, and Gender in American Society: PR: Graduate standing or C.I. Using theoretical and empirical studies, this course will provide a sociological examination of the intersections of race, class, and gender in American society. Occasional.

SYG 2000 COS-COSOC 3(3,0) Introduction to Sociology: Scientific study of sociological concepts, theories, processes, and methods used in understanding contemporary human behavior in group interaction. Fall, Spring.

SYG 2000H COS-COSOC 3(3,0) Honors Introduction to Sociology: PR: Permission of Honors. Extensive honors work in the field of Sociology. Expectations, requirements, and standards are greater than for standard General Sociology. Fall, Spring.

SYG 2010 COS-COSOC 3(3,0) Social Problems: Analysis of major social problems such as mental disorders, sexual deviance, racial discrimination, poverty, community disorganization, and violence. Fall, Spring.

SYG 3938 COS-COSOC 3(3,0) Careers in Sociology: PR: SYG 2000 or SYG 2010. Explore careers that sociology majors are prepared for upon graduation and tips for improving chances of obtaining a desired career. Fall.

SYG 4244 COS-COSOC 3(3,0) Food and Society: PR: SYG 2000, or SYG 2010, or Junior standing. Through the exploration of food in society, students will discover the significance of food in people's lives and discover ways food expresses relationships among people. Occasional.


SYG 3360 COS-COSOC 3(3,0) Social Organization and Human Relations: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. Analysis of business, government, and industrial organizations. Topics include organizational theory, social systems, social structure, effects of technology, motivation, leadership, decision-making, and human relations. Occasional.

SYG 3408 COS-COSOC 3(3,0) Animals and Health: PR: One of SYG 2000, ANT 2000, or PSY 2012, or Junior standing. Explores the ways in which non-human animals both enhance and diminish humans' health. Occasional.

SYG 3410 COS-COSOC 3(3,0) Patterns of Mental Health in Society: PR: One of SYG 2000, ANT 2000, or PSY 2012, or Junior standing. A sociological examination of mental illness as a social problem; legal aspects of mental illness, and the mental health professions. Occasional.
UCF Courses and Descriptions

SYE 5005 COS-SOC 3(3,0) Sociological Social Psychology: PR: Graduate standing or C.I. An exploration of sociological social psychological theories and their application in understanding the effects of society and groups on the individual. Occasional.

SYE 5566 COS-SOC 3(3,0) Seminar on Domestic Violence: Theory, Research and Social Policy: PR: Graduate status or student standing or C.I. A sociological examination and evaluation of theories, empirical research and social policy related to the study of domestic violence. Occasional.

SYE 5615 COS-SOC 3(3,0) Sociology of Culture: PR: Graduate standing or C.I. Major theoretical approaches and empirical studies in the sociology of culture and analysis of cultural processes. Occasional.

TAX 4001 BA-ACCT 3(3,0) Taxation of Business Entities and Transactions: PR: Junior standing, AC1 3131 with a grade of “C” (2.0) or better. Federal Income tax laws affecting the taxation of business entities and transactions. Fall, Spring.

TAX 5015 BA-ACCT 3(3,0) Advanced Tax Topics: PR: Graduate studying, TAX 4011 with a “C” (2.0) or better. Advanced tax issues affecting business entities and their owners, with a primary focus on corporations and partnerships. Occasional.

THE 2000 CAH-THEA 3(3,0) Theatre Survey: Overview of the art and craft of the theatre. Restricted to non-majors. Fall, Spring.


THE 2020 CAH-THEA 3(3,0) Survey of Theatre for Majors: PR: Theatre major or minor. Overview of the art and craft of theatre. Fall, Spring.

THE 2050 CAH-THEA 3(3,0) Theatre Studies in Creative Drama: Techniques and theories for facilitating creative drama with youth, as both an art form and teaching tool. Occasional.

THE 2081C CAH-THEA 3(2,1) Introduction to UCF Theatre: PR: Theatre major. Specific UCF Theatre Department production protocols and operations. Fall.

THE 2090L CAH-THEA VAR(0,VAR) Theatre Participation: PR: Department Consent. Participation in UCF Theatre productions. May be used in the degree program a maximum of 8 times. Fall, Spring.

THE 2305 CAH-THEA 3(3,0) Script Analysis for Theatre: PR: Theatre major. Exploration of dramatic form with focus on playscripts for productions. Fall, Spring.

THE 2925L CAH-THEA 1(0,VAR) Theatre Participation - Management I: PR: Theatre Major, Theatre Minor or Dance Minor. Participation in UCF Theatre productions. Graded SU. May be used in the degree program a maximum of 8 times. Fall, Spring.


THE 3171 CAH-THEA 3(3,0) That’s Entertainment!: Theatre Experience in Theme Parks, Vegas, and Broadway: PR: THE 2000 or ENC 1102 or FIL 1100. The art and craft of theatrical live entertainment. Occasional.


THE 3250 CAH-THEA 3(3,0) Sex, Drugs, & the Rock and Roll Musical: PR: ENC 1102. Overview of the Rock & Roll musical theatre genre including culture and development. Occasional.

THE 3254 CAH-THEA 3(3,0) Queer Theatre: PR: ENC 1102. Examination of the roots, progression and current trends in Queer Theatre through the eyes of its diverse communities: activists, writers and performers. Occasional.


THE 3311 CAH-THEA 3(3,0) Theatre History and Dramatic Literature I: PR: Theatre major, “C” (2.0) or better in THE 2205. Theatre history and literature from the Greeks to the Renaissance. Fall, Spring.

THE 3312 CAH-THEA 3(3,0) Theatre History and Dramatic Literature II: PR: Theatre major, “C” (2.0) or better in THE 3311 and THE 2205. Theatre history and literature from French neo-classicism to modern realism. Fall, Spring.

THE 3313 CAH-THEA 3(3,0) Theatre History and Dramatic Literature III: PR: Theatre major, “C” (2.0) or better in THE 3312. Theatre history and literature from modern realism to present. Fall, Spring.

THE 3333 CAH-THEA 3(3,0) Shakespeare Skills: PR: Grade of “C” (2.0) or better in TPP 2185 or TPP 2110C. Course not allowed for BFA Theatre Acting Majors. Study of Shakespeare’s heightened language, scansion, and text from a theatrical point of view. Occasional.

THE 3383 CAH-THEA 3(3,0) Taboo Theatre: Sex & Violence on Stage: PR: ENC 1102. Dramatic literature with taboo topics and their impact on the storytelling and entertainments of today. Occasional.

THE 4093L CAH-THEA 1(0,VAR) Theatre Participation-Management II: PR: Theatre major or Theatre minor. Participation in UCF Theatre productions. May be used in the degree program a maximum of 8 times. Fall, Spring.

THE 4212 CAH-THEA 3(3,0) Global Theatre: PR: Grade of C (2.0) or better required in ENC 1101 or ANT 2000. Theatrical arts and traditions of various countries with an emphasis on non-western cultures. Occasional.

THE 4230 CAH-THEA 3(3,0) Cultural Diversity in Theatre: PR: “C” (2.0) or better in ENC 1101 or ANT 2000. Commonality of human experience among various cultural groups through the study of dramatic literature. Occasional.

THE 4244 CAH-THEA 3(3,0) Musical Theatre History I: PR: B.F.A. Musical theatre major, “C” (2.0) or better required in THE 2081C. Origins and evolution of Musical Theatre from the Ancient Greeks through the 1950s. Fall.

THE 4245 CAH-THEA 3(3,0) Musical Theatre History II: PR: B.F.A. Musical theatre major, “C” (2.0) or better required in THE 4244. Origins and evolution of Musical Theatre from the 1950s through the present. Spring.

THE 4284 CAH-THEA 3(3,0) Period Costume, Architecture, and Decor I: PR: “C” (2.0) or better in ENC 1102. Costumes, furniture and decor from antiquity to the High Renaissance. Fall.

THE 4285 CAH-THEA 3(3,0) Period Costume, Architecture, and Decor II: PR: “C” (2.0) or better in THE 4284. Costumes, furniture and decor from the English Renaissance to the present. Occasional.

THE 4423 CAH-THEA 3(3,0) Women in Theatre: PR: Grade of C (2.0) or better in ENC 1101. An overview of women’s contributions to theatre. Occasional.

THE 4543 CAH-THEA 3(3,0) Theatre for Social Change: PR: Grade of C (2.0) or better in ENC 1101. Theatre activist’s impact on theatrical art forms. Occasional.


THE 4954 CAH-THEA 0(0,0) Theatre Exit Critique: PR: Theatre Major; Senior Standing. Completion of departmental exit critique. Graded SU. Fall, Spring.


THE 5215 CAH-THEA 3(3,0) Global Theatre: PR: Admission into the MFA/MA Theatre programs or C.I. Theatrical arts and traditions of various countries with an emphasis on non-western theatre. Occasional.

THE 5237 CAH-THEA 3(3,0) Cultural Diversity in Theatre: PR: Admission into the MFA/MA Theatre programs or C.I. Commonality of human experience among various groups through the study of dramatic literature. Occasional.

THE 5248 CAH-THEA 3(3,0) Musical Theatre in History: PR: Admission to MFA Musical Theatre Program. A chronological study of musical theatre from early Viennese operetta to the musicals of the modern age. Course will emphasize the work of composers, librettists, and lyricists as well as representative masterworks of a variety of genre. Emphasis will be placed upon historical trends and theatrical viability. Fall.

THE 5288 CAH-THEA 3(3,0) Period Costumes, Architecture and Decor I: PR: Admission into Theatre MFA Design track. Costumes, architecture and decor from antiquity to the Renaissance. Fall.


THE 5385 CAH-THEA 3(3,0) Dramatic Literature for Children: PR: Admission to MFA graduate program or C.I. An in-depth study of the growth and development of dramatic literature for children. Even Fall.

THE 5425 CAH-THEA 3(3,0) Women in Theatre: PR: Admission into the MFA/ MA Theatre programs or C.I. An overview of women’s contributions to theatre. Occasional.

THE 5545 CAH-THEA 3(3,0) Theatre for Social Change: PR: Admission into the MFA/MA Theatre programs or C.I. Theatre activists’ impact on theatrical art forms. Occasional.
THE 5910 CAH-THEA 3(3,0)
Research Methods in Theatre: PR: MFA and MA in Theatre. Practice knowledge, skills and techniques needed by students to conduct research to include organization, styles, footnotes, and bibliographic forms. Fall.

THE 5945L CAH-THEA 1(0,20)
Theatre Practicum I: PR: Graduate status or C.I. A laboratory course designed to develop students’ practical working knowledge in theatre. Occasional.

THE 5946L CAH-THEA 1(0,20)
Theatre Practicum II: PR: Admission into the graduate program, Theatre Practicum I. A laboratory course designed to develop students’ practical working knowledge in theatre. Occasional.

TPA 2000C CAH-THEA 3(2,2)
Theatre Design Basics: PR: BFA Design and Technology or Stage Management major. Basic design skills for scenic, lighting, sound and costume designers. Fall.

TPA 2010C CAH-THEA 3(2,2)
Scenography: PR: “C” (2.0) or better in TPA 2000C and BFA Design and Technology or Stage Management major. Introduction to design for the stage, including scenery, lighting, costumes and sound. Occasional.

TPA 2071C CAH-THEA 3(2,2)
Theatre Design Fundamentals: PR: “C” (2.0) or better in TPA 2000C. Specific rendering techniques used to create visual images for scenic, lighting, and costume designers. Spring.

TPA 2200 CAH-THEA 2(2,0)
Introduction to Technical Theatre: Development, theory and practice of all areas of technical theatre production. Fall, Spring.

TPA 2200L CAH-THEA 1(0,6)
Intro to Technical Theatre Lab: PR: Theatre Major or Department Consent. CR: TPA 2200. Practical projects in scenic construction. Fall, Spring. M&S fee $45.00.

TPA 2210 CAH-THEA 3(3,0)

TPA 2210L CAH-THEA 1(0,6)
Stagecraft I Lab: PR: or CR: “C” (2.0) or better in TPA 2210. Practical projects in scenic construction. Occasional. M&S fee $45.00.

TPA 2211 CAH-THEA 3(3,0)
Stagecraft II: PR: “C” (2.0) or better in TPA 2210 and TPA 2210L. CR: TPA 2211L. Advanced projects in scenic construction. Spring.

TPA 2211L CAH-THEA 1(0,6)
Stagecraft II Lab: PR: “C” (2.0) or better in TPA 2210 and TPA 2210L. CR: TPA 2211L. Advanced projects in scenic construction. Occasional. M&S fee $45.00.

TPA 2220C CAH-THEA 3(2,2)
Stage Electronics: PR: BFA Design and Technology or Stage Management major. Introduction to lighting and sound electronics for the stage. Fall, M&S fee $44.00.

TPA 2230C CAH-THEA 3(2,2)
Costume Construction: PR: Theatre Major or Department Consent. Basic knowledge and techniques for construction of stage costumes. Fall. Spring. M&S fee $22.00.

TPA 2248C CAH-THEA 2(2,2)

TPA 2290L CAH-THEA 10(0,VAR)
Theatre Participation-Production I: PR: Theatre major or minor. Participation in UCF Theatre productions. May be used in the degree program a maximum of 8 times. Fall, Spring. M&S fee $126.00.

TPA 2600 CAH-THEA 3(3,0)
Stage Management: Introduction: PR: Theatre Major or Minor. Functions and responsibilities of professional stage managers. Occasional.
TPP 4940L CAH-THEA 6(0,VAR) Theatre Internship: PR: Restricted to B.F.A. Theatre majors, and Junior Standing and subject to Departmental approval. Off-campus internship programs in professional theatre. Required of all B.F.A. theatre majors. Fall, Spring.

TPP 5125C CAH-THEA 2(2,2) Improvisation Studio: PR: Acting for Youth Theatre. A study of spontaneous dramatic play and theatre exercises designed to develop creative freedom and growth of new ideas. Fall, Odd Fall.

TPP 5156C CAH-THEA 3(2,2) Acting Studio I: PR: Admission to Theatre MFA Acting or Musical Theatre Track. An advanced scene study course with emphasis on scene analysis and character development and application of acting techniques in modern contemporary American plays. Fall.

TPP 5157C CAH-THEA 3(2,2) Acting Studio II: PR: TPP 5156C. Advanced scene study course applying acting methodologies to the works of modern (1850-1950) European playwrights with emphasis on the works of Ibsen/Kehlov/Shaw. Spring.

TPP 5246C CAH-THEA 2(2,2) Circus Arts: PR: Admission to Theatre graduate program or C.I. Circus skills and history. Even Spring.

TPP 5248C CAH-THEA 2(2,2) Storytelling as a Theatrical Art Form: PR: Admission to Theatre graduate program or C.I. Application of storytelling as an art form. Spring.

TPP 5273 CAH-THEA 2(2,0) Musical Theatre Acting I: PR: TPP 5157C. Integration of musical theatre acting, singing, and movement applied to musical theatre performance, direction, and choreography; emphasizing developing skills in textural and musical interpretation. Occasional.

TPP 5278C CAH-THEA 1(1,1) Musical Theatre Lab: PR: TPP 5157C. Practical course in developing musical theatre skills for the actor. Spring.

TPP 5289C CAH-THEA 2(2,3) Acting Methodologies: PR: Admission to the graduate program in Theatre or C.I. Approaches to acting. Even Fall.

TPP 5386C CAH-THEA 3(3,0) Directing for Young Audiences: PR: THE 5910 and THE 5385. Study of the principles, procedures, and practices of stage direction as it applies to theatre for young audiences. Odd Spring.

TPP 5515 CAH-THEA 2(2,0) Movement Studio I: PR: Admission to MFA Performance Program. Graduate level course in principles and methods of movement for the stage focusing on gaining specific knowledge and skills in period styles of movement and basic unarm motion. Spring.

TPP 5516C CAH-THEA 2(2,1) Stage Voice I: PR: Admission to MFA performance program. An introduction/review class examining the fundamentals of speaking on stage; the correct production of sound, breathing, relaxation of physical tension, and articulation Fall.

TPP 5716C CAH-THEA 2(2,1) Stage Voice II: PR: Admission to the MFA Performance Program. TPP 5715C or C.I. Continuation of Graduate Voice Production I, studying Skinner's narrow transcription with consonants, review of all Linkletter work, and introduction to the work of Arthur Lessac. Spring.

TPP 5754 CAH-THEA 2(2,0) Musical Theatre Voice I: PR: Admission to MFA Musical Theatre Program. Voice study devoted to the diagnosis and development of the singing voice and its application to musical theatre performance placing particular emphasis upon vocal technique. Fall.

TPP 5935C CAH-THEA 2(2,2) Contemporary Practices in Youth Theatre: PR: Admission to MFA graduate program or C.I. Investigation of a particular subject in youth theatre. May be in the degree program a maximum of 5 times. Odd Spring.

TSL 3346 CAH-LANG 3(3,0) English as an International Language: PR: Two semesters of college-level foreign language. Focus on English as it relates to native and non-native speakers. Topics include grammar, pronunciation, cross-cultural issues, and details about teaching English worldwide. Fall, Spring.

TSL 4080 ED-TL&L 3(3,0) Theory and Practice of Teaching English (ESOL) Students in Schools: PR: Junior standing or C.I. Focuses on methods of teaching English to Speakers of Other Languages (ESOL). Emphasizes curricular and materials, cross-cultural understanding, applied linguistics in second language teaching, and test and evaluation of ESOL. Fall, Spring.

TSL 4240 CAH-LANG 3(3,0) Issues in Second Language Acquisition: PR: TSL 4080. English phonology, morphology, syntax, and semantics, for future teachers. Fall, Spring.

TSL 4363 CAH-LANG 3(3,0) ESL Classroom Experiences: PR: TSL 3346 (B+ or better). Practical instruction and experiences for future English teachers. Includes micro-teaching in class as well as 25 hours of experience working with non-native speakers. Spring.

TSL 4942 ED-TL&L 3(3,0) ESOL Field Experience: PR: TSL 4080. Practical application of research and theory on teaching and assessing academic subjects to second language (L2) learners in grades Pre-Kindergarten. Fall, Spring.


TSL 4945 ED-TL&L 3(3,0) ESOL Clinical Experience: PR: TSL 4942 and TSL 4943. Practical application of research and theory on teaching and assessing academic language and disciplinary literacy for second language (L2) learners in grades Pre-K-12. Fall, Spring.

TSL 5085 ED-TL&L 3(3,0) Teaching Language Minority Students in K-12 Classrooms: PR: Admission to College of Education Master of Arts Program or C.I. Teaching K-12 limited English proficient (LEP) students. Florida standards regarding cross-cultural communication, ESOL curriculum, and materials, ESOL methodology, testing and evaluation of ESOL students, applied linguistics. Fall, Spring.

TSL 5325 CAH-LANG 3(3,0) ESLOL Strategies: PR: Graduate status or senior standing or C.I. This course will survey cross-cultural communication and understanding, testing and evaluation, curriculum and methods of teaching ESOL to meet the needs of limited English proficient students. Occasional.

TSL 5345 ED-TL&L CAH-LANG 3(3,0) Methods of ESLOL Teaching: This course is designed to develop understanding, knowledge and skills of the current methods used in the teaching of ESOL. Fall, Spring.

TSL 5376 CAH-LANG 3(3,0) Reading and Writing in a Second Language: PR: Graduate standing or C.I. Theoretical and pedagogical approaches to ESOL reading and writing. Occasional.

TSL 5380 CAH-LANG 3(3,0) Computers and Technology for ESOL: PR: Graduate standing or C.I. Emphasizes research in computer assisted language learning, as well as design and evaluation of software and websites for learning English as a second language. Occasional.

TSL 5525 ED-TL&L 3(3,0) ESOL Cultural Diversity: This course is designed to identify major cultural groups represented by the LEP population in Florida schools and to understand their special needs. Occasional.

TSL 5590 CAH-LANG 3(3,0) Issues in TEFL: PR: Graduate status or senior standing or C.I. Focuses specifically related to TEFL, such as materials adaptation, teaching in multi-level classrooms, learning styles, cultural issues, and curriculum syllabus design. Spring.

TTE 3810 ECS-CEE 3(3,0) Highway Engineering: PR: STA 3032 with a grade of "C" (2.0) or better; CR: CGN 3700C. Three functional classifications are covered: planning, design and operation of transportation facilities. Emphasis is on the highway transportation mode. Fall, Spring.

TTE 4274 ECS-CEE 3(3,0) Transportation Engineering Systems: PR: TTE 3810 with a grade of "C" (2.0) or better. Topics such as safety, Intelligent Transportation Systems, and airport transportation will be covered. Fall, Spring.

TTE 4300 ECS-CEE 3(3,0) Transportation Analytics: PR: TTE 3810 with a grade of "C" (2.0) or better. Qualitative and quantitative approaches to contemporary transportation challenges, including economic theory, optimization algorithms, statistical methods, and sustainable transportation alternatives. Spring.

TTE 4601C ECS-CEE 3(2,2) Urban Systems Design: PR: TTE 4274 with a grade of "C" (2.0) or better and department consent. Project design course covering principles and techniques of planning, traffic analysis, and highway design. Including projecting traffic volumes, laying out alternative routes, designing of alignments/intersections. Spring. M&S fee $25.00.

TTE 5204 ECS-CEE 3(3,0) Traffic Engineering: PR: TTE 3810 or C.I. Study of operator and vehicle characteristics, and design for street capacity, signs, signals, and markings. Occasional.

TTE 5805 ECS-CEE 3(3,0) Geometric Design of Transportation Systems: PR: TTE 3810 or C.I. Study of highway geometric design in the engineering of transportation systems. Occasional.

TTE 5935 ECS-CEE 3(3,0) Pavement Engineering: PR: EGN 3331, CGN 3910C, CEQ 4011C. Pavement materials, analysis, evaluation, and management will be included to the current material. Thus, "Pavement Engineering" would be a proper course name. Even Fall.

VIC 300 COS-COMM 3(3,0) Visual Communication: PR: Either SPC 1608, SPC 1603C, COM 1000, or C.I. A study of human visual language. PR: Either SPC 1608, SPC 1603C, and SAM 3420 or C.I. Designed to develop understanding, knowledge and skills of the current methods used in the teaching of ESOL. Fall, Spring.
UCF Courses and Descriptions

WOH 2012 CAH-HIST 3(3,0) World Civilization I: A topical approach to the study of the rise and decline of world civilizations from the first attempts to the great civilizations of medieval times. Fall, Spring.

WOH 2012H CAH-HIST 3(3,0) Honors World Civilization I: PR: Permission of Honors. The rise and decline of world civilizations from antiquity to the great civilizations of medieval times. Honors content. Occasional.

WOH 2022 CAH-HIST 3(3,0) World Civilization II: Rise of modern civilization from 1500 to the present, with an emphasis on the confrontation between the Western and non-Western spheres of civilization. Fall, Spring.

WOH 2022H CAH-HIST 3(3,0) Honors World Civilization II: PR: Permission of Honors. Rise of modern civilization from 1500 to the present, with an emphasis on the confrontation between the Western and non-Western spheres of civilization. Honors content. Occasional.

WOH 4272 CAH-HIST 3(3,0) Age of Atlantic Revolutions 1763-1826: PR: AMH 2010 or C.I. Compares origins, development, and outcomes of the American, French, Latin American, and Haitian Revolutions. Occasional.

WST 3015 CAH-WOM 3(0,0) Introduction to Women's Studies: PR: ENC 1102, or C.I. Interdisciplinary course introducing students to key issues and problems regarding women and gender relations in past and present societies. Fall, Spring.

WST 3015H CAH-WOM 3(0,0) Honors Introduction to Women's Studies: PR: ENC 1102 and Consent of Honors. Focus on women and gender in a transnational context. With Honors content. Even Spring.

WST 3020 CAH-WOM 3(0,0) Girls' Studies: PR: ENC 1102. Girls' Studies, an emerging field within Women's Studies, focuses on the material experiences of girls in U.S. and global cultures using academic and popular texts. Occasional.

WST 3371 CAH-WOM 3(3,0) Women and Leadership: PR: ENC 1102. Interdisciplinary, feminist perspectives on women and leadership, examining issues such as gender differences in leadership styles, obstacles facing women leaders, and learning from women leaders. Occasional.

WST 3460 CAH-WOM 3(3,0) Women, Race and Struggle: PR: ENC 1102 or C.I. Interdisciplinary study of issues, perspectives, and scholarship by and about women of color. Occasional.

WST 3460H CAH-WOM 3(3,0) Honors Women, Race and Struggle: PR: Consent of Honors. Interdisciplinary study of issues, perspectives, and scholarship by and about women of color. With Honors content. Occasional.

WST 3500 CAH-WOM 3(3,0) Gender Issues and Community Activism: PR: WST 2015 or C.I. Feminist perspectives applied to current community issues. Interdisciplinary analysis through service learning and field research. Issues will vary. May be repeated for credit. Occasional.

WST 3522 CAH-WOM 3(3,0) First and Second Wave Feminisms: PR: ENC 1102. History of Western feminist thought, from the late eighteenth century to the 1980s, through texts by First and Second Wave Feminists. Occasional.

WST 3561 CAH-WOM 3(3,0) Third Wave Feminisms: PR: WST 3015. Third wave feminist theories and practices with an activist focus. Even Spring.

WST 3603 CAH-WOM 3(3,0) Introduction to Gender Studies: PR: ENC 1102. Historical and cultural foundations of gender, sexuality, and intersectional theories with an attention to fluidity of identities and diversity of experiences. Even Fall.

WST 3621 CAH-WOM 3(3,0) Theories of Masculinity: PR: ENC 1102. Masculinity from feminist perspectives, examining issues of race, class, sexuality, and violence, as well as constructions of masculinity in sports, family, and other institutions. Occasional.

WST 4002 CAH-WOM 3(3,0) Research in Women and Gender Studies: PR: WST 3015. Relationships among feminist theory, social change, and gender equality as experienced at the workplace in private, public and non-profit spheres. Occasional.

WST 4021 CAH-WOM 3(3,0) Girls and Leadership: PR: ENC 1102 and WST 3020. Feminist theory and practice applied in an examination of body image as it relates to girls in contemporary society. Service learning component. Occasional.

WST 4022 CAH-WOM 3(3,0) Girls and the Body: PR: ENC 1102 and WST 3020. Feminist theory and practice applied in an examination of body image as it relates to girls in contemporary society. Service learning component. Occasional.


WST 4349 CAH-WOM 3(3,0) Ecofeminism: PR: ENC 1102 and WST 3015. Connections between feminism and the environment. Occasional.

WST 4415 CAH-WOM 3(3,0) Global and Transnational Feminism: PR: ENC 1102 and WST 3015. Feminist theory from a global, multi-cultural perspective, combined with global feminist activism. Service learning component. Occasional.

WST 5347 CAH-WOM 3(3,0) Research in Women and Gender Studies: PR: Graduate standing or senior standing, or C.I. To explore feminist research methodologies and investigate relationships among feminist theory, research, social change, and gender equality as experienced at the workplace in private, public and non-profit spheres. Even Fall.

WST 5601 CAH-WOM 3(3,0) Theories in Gender Studies: PR: Graduate standing. Gender Studies graduate certificate standing, or C.I. Foundational scholarship in gender studies, with emphasis on theoretical and interdisciplinary approaches to gender and sexuality. Even Fall.

WST 5619 CAH-WOM 3(3,0) Applied Gender Studies: PR: Graduate standing or C.I. Emphasize practical applications of gender theories and research in private and public sectors (i.e., the workforce, government agencies, global contexts) to strengthen leadership skills and enable effective policy and planning. Even Fall.

ZOO 3701C COM-BSBS 4(3,1) Human Gross Anatomy & Dissection Techniques: PR: ZOO 3733C. Dissection techniques of the human body to teach students the skills required for the preparation of three dimensional specimens. The primary student population should be junior/senior pre health professional applicants preparing for the basic medical sciences of professional schools. Spring. M&S fee $70.00

ZOO 3713C COS-BIOL 5(3,6) Comparative Vertebrate Anatomy: PR: A "C" (2.0) or better in both BSC 2010C and BSC 2011C, or C.I. The vertebrate animals, relationships of organs and systems, and their phylogenetic significance. Fall. M&S fee $65.00

ZOO 3733C COM-BSBS 4(3,3) Human Anatomy: PR: BSC 2010C or equivalent. Structure of the human body. Fall, Spring. M&S fee $6.00

ZOO 3733C COM-BSBS 4(3,3) Human Gross Anatomy: PR: BSC 2010C or equivalent and Consent of Honors. Basic and functional anatomy in clinically oriented way to study systems within the human body. The lab component of this honors course provides enrichment and an opportunity to view cadaver specimens. With Honors Content. Spring. M&S fee $6.00

ZOO 3736C COS-BBS 4(3,2) Exercise Physiology: PR: BSC 2010C. Biological principles governing the physiology of the nervous system including electrical properties, chemical signaling, cellular composition, development, injury and regeneration. Fall, Spring.

ZOO 3744H COS-BBS 3(3,0) Neurobiology: PR: BSC 2010C. Biological principles governing the physiology of the nervous system including electrical properties, chemical signaling, cellular composition, development, injury and regeneration. Fall, Spring.

ZOO 4025C COS-BIOL 4(3,3) Biology and Ecology of Metazoan Invertebrates: PR: A "C" (2.0) or better in all the following; BSC 2010C, BSC 2011C, and PCB 3044, or C.I. Anatomy, ecology, taxonomy, behavior, evolution, and physiological relations of the radiates, bilateria, ecdysozoans, schizocephala, and priapulidae. Occasional. M&S fee $34.00

ZOO 4310C COS-BIOL 4(2,6) Vertebrate Evolution & Ecology: PR: A "C" (2.0) or better in all the following; BSC 2010C, BSC 2011C, PCB 3044, and PCB 3012. Focus on evolution and ecology, based on the paleontological and ecological literature. The laboratory places heavy emphasis on classification/identification and field work. Occasional. M&S fee $55.00


ZOO 4480 COS-BIOL 4(4,0) Mammalogy: PR: A "C" (2.0) or better in both BSC 2010C and BSC 2011C, or C.I. Diversity and biology of mammals from an evolutionary perspective. Even Fall.

ZOO 4480L COS-BIOL 4(3,0) Mammalogy Lab: CR: ZOO 4480. This lab will enhance topics covered in the lecture further exploring the anatomy and identification of mammals with hands-on experience. Fall.

ZOO 4513 COS-BIOL 3(3,0) Animal Behavior: PR: A "C" (2.0) or better in PCB 3044. Study of the current ideas in animal behavior, including the mechanism of behavior and evolutionary explanations. Odd Fall.

ZOO 4603C COS-BIOL 5(3,4) Embryology/Development: PR: A "C" (2.0) or better in both PCB 3063 and PCB 3023, or PCB 3522, or C.I. Concepts of developmental processes. Emphasis on mechanisms underlying vertebrate development. Spring. M&S fee $22.00

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Description</th>
<th>Prerequisites</th>
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<tbody>
<tr>
<td>ZOO 4742</td>
<td>COM-BSBS Advanced Neurobiology</td>
<td>3(3,0)</td>
<td>Advanced topics in movement, vision, motivation, sex and brain, emotions, biological rhythms, sleep, language, attention, mental illness, development, learning, memory, degeneration, regeneration.</td>
<td>PR: ZOO 3744</td>
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<tr>
<td>ZOO 4743C</td>
<td>COM-BSBS Clinical Neuroanatomy and Neuroscience</td>
<td>4(3,1)</td>
<td>Clinical neuroanatomy and neuroscience: Basic and applied neuroanatomies with attention to normal function and pathologic states of the nervous system relevant to practice of general medicine and/or neuroscience.</td>
<td>PR: ZOO 3733C or ZOO 4743C with a B (3.0) or better</td>
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<tr>
<td>ZOO 4743C</td>
<td>COM-BSBS Honors Clinical Neuroanatomy</td>
<td>4(3,2)</td>
<td>Honors clinical neuroanatomy: Basic and applied neuroanatomies with attention to normal function and pathologic states of the nervous system relevant to practice of general medicine and/or neuroscience.</td>
<td>PR: ZOO 3733C and Honors consent</td>
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<tr>
<td>ZOO 4747C</td>
<td>COM-BSBS Clinical Neuroscience</td>
<td>4(3,1)</td>
<td>Clinical neuroscience: Clinically oriented teachings in major neuroscience areas including selected topics in neuropathology, neuro-oncology, neuroimmunology, neuropharmacology and neurodiagnostics with Honors consent.</td>
<td>PR: ZOO 3744 or ZOO 4743C and consent of Honors</td>
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<tr>
<td>ZOO 4753C</td>
<td>COM-BSBS Vertebrate Histology</td>
<td>4(3,3)</td>
<td>Vertebrate histology: Microanatomical detail plus appropriate developmental and functional considerations of major cell types, primary tissues, organs, and organ systems. Survey of modern animal-tissue microtechnique.</td>
<td>PR: ZOO 3733C</td>
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<tr>
<td>ZOO 4910L</td>
<td>COS-BIOL Research Experience in Animal Behavior in a Zoo Environment</td>
<td>3(0,6)</td>
<td>Research experience in animal behavior in a zoo environment: Observing, documenting, and analyzing animal behavior in a zoological setting.</td>
<td>PR: A minimum grade of a &quot;B&quot; (3.0) in ZOO 4513</td>
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<tr>
<td>ZOO 5456C</td>
<td>COS-BIOL Ichthyology</td>
<td>4(2,6)</td>
<td>Ichthyology: Introduction to the biology of the fishes, their classification, evolution, and life histories.</td>
<td>PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Introduction to the biology of the fishes</td>
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<tr>
<td>ZOO 5463C</td>
<td>COS-BIOL Herpetology</td>
<td>4(2,4)</td>
<td>Herpetology: Introduction to the biology of the amphibians and reptiles, their classification, evolution, and life histories.</td>
<td>PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, Certificate in Conservation Biology, PSM in Conservation Biology, or C.I. Introduction to the biology of the amphibians and reptiles</td>
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<tr>
<td>ZOO 5475L</td>
<td>COS-BIOL Field Ornithology</td>
<td>3(0,6)</td>
<td>Field ornithology: Introduction to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Introduction to the identification, taxonomy, natural history, and biology of birds, with emphasis on survey techniques and systematics.</td>
<td>PR: Admission to the M.S. in Biology</td>
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<tr>
<td>ZOO 5486</td>
<td>COS-BIOL Mammalogy</td>
<td>4(4,0)</td>
<td>Mammalogy: Introduction to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Introduction to the biology of mammals from an evolutionary perspective.</td>
<td>PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Introduction to the biology of mammals from an evolutionary perspective</td>
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<tr>
<td>ZOO 5745C</td>
<td>COM-BSBS Essentials of Neuroanatomy</td>
<td>4(3,3)</td>
<td>Essentials of neuroanatomy: Fundamental concepts of both morphological and functional organization of the nervous system. Basic and applied neuroanatomies.</td>
<td>PR: Human/Comparative Anatomy, or Human/Animal Physiology or C.I.</td>
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<tr>
<td>ZOO 5748C</td>
<td>COM-BSBS Human Anatomy</td>
<td>5(3,2)</td>
<td>Human Anatomy: Provides the necessary knowledge to understanding the complexities of human nervous system, its normal and pathologic functions, relevant to practice of general medicine and/or neuroscientists.</td>
<td>PR: ZOO 3733C</td>
<td></td>
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<tr>
<td>ZOO 5749C</td>
<td>COM-BSBS Clinical Neuroscience</td>
<td>5(3,2)</td>
<td>Clinical neuroscience: Clinically oriented teachings in major neuroscience areas including selected topics in neuropathology, neuro-oncology, neuroimmunology, neuropharmacology, and neurodiagnostics.</td>
<td>PR: ZOO 3733C and ZOO 3744, or ZOO 3733C and ZOO 4743C or ZOO 5748C, or equivalents</td>
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</tr>
</tbody>
</table>
COX, MARIA, Faculty Administrator, College of Education & Human Performance (2007), B.A., M.A., Ph.D. (University of Illinois)

COX, THOMAS, Assistant Professor, College of Education & Human Performance (2012), B.S., M.A., Ed.D. (University of Memphis)


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DRICHER, MICHAEL, Director, Health Services (2001), B.S., M.D., M.P.H. (University of South Florida)

DILLERT, CHRISTINE, Assistant Vice President, Strategic Communications and Marketing (2015), B.A., M.A. (University of Central Florida)

DODGE, JASON, Director, Transfer and Admission Services (2015), B.A., M.Ed. (University of Florida)

DONEGAN, HELEN, Vice President for Community Relations (1995), B.A. (San Jose State University)

DOOLEY, ELIZABETH A., Assistant Vice Provost, Teaching & Learning, Dean, College of Undergraduate Studies, and Professor, College of Education (2015)

DULLAGHAN, PATRICIA, Director, Student Legal Services (1996), B.A., J.D. (Nova Southeastern University)


EHADZ, MARIBETH, Vice President for Student Development and Enrollment Services (1994), B.S., M.A., Ph.D. (University of Toledo)

EKERN, SHARON L., Associate Vice President, Student Development and Enrollment Services (1990), B.A., M.P.A., Ed.D. (University of Central Florida)

FALCO, RICHARD A., Director, Student Union (2001), B.S., M.A. (University of Central Florida)

FROELICH, CRAIG, Director, SDES Information Technology (2007), B.S. (University of Central Florida)

FUJIMI, MICHAEL, Dean, College of Health and Public Affairs (2008), B.S., M.S., Ph.D. (Brandeis University)

GERGIOPOULOS, MICHAEL, Dean, College of Engineering and Computer Science, Professor of Electrical and Computer Engineering (1988), DIPL. M.S. Ph.D. (University of Crete/Technical University of Crete, P.E. (Greece)

GERMAN, DEBORAH C., Vice President for Medical Affairs, Dean of College of Medicine, and Professor of Pediatrics (2006), B.S., M.D. (Harvard Medical School)

GILMER, MICHAEL, Director, Office of Student Conduct (2014), B.S., M.Ed. (University of South Florida)

GOONAN, HELEN, Dean, College of Health and Public Affairs

HESSE, AMY, Director, Creative School for Children (2013), B.A., M.A.Ed. (Western Governors University)

HESTON, GRANT J., Vice President, Communications and Marketing (2007), B.S., M.B.A. (University of Central Florida)

HITT, JOHN C., President, University of Central Florida and Professor of Psychology (1992), B.A., M.S., Ph.D. (Tulane University)

HOLLAND, KAREN, Director, Counseling and Psychological Services (2002), B.A., M.A., Ph.D. (Texas A&M University)

HOLMES JR., ROBERT J., Vice President for Alumni Relations and Development and Chief Executive Officer, UCF Foundation (1998), B.A., M.A. (University of Miami)

HOLSENBECK, DANIEL C., Vice President for University Relations, Senior Counsel to the President, and Director, Governmental Relations (1986), B.S., M.E.D., Ph.D. (Florida State University)

HOPE, THOMAS, Assistant Vice President, Strategic Initiatives (2005), B.P.A., M.B.A. (University of Central Florida)

ISAAC, ULLA, Interim Director, Office of Experiential Learning (1996), B.A., M.S. (State University of New York at Albany)

JACKSON, WAYNE, Director, Multicultural Academic and Support Services (2007), B.A., M.A. (Dallas Theological Seminary)

JARLEY, PAUL, Dean and Professor, College of Business Administration (2012), B.S., M.A., Ph.D. (University of Wisconsin-Madison)

JARRELL-COLE, MARGARET, Associate Vice President, Administration and Legal Counsel, UCF Foundation (2003), LL.M., J.D. (University of Florida)
JENKINS, ANTHONY, Senior Associate Vice President and Dean of Student Development and Enrollment Services (2015), B.S., M.S., Ph.D. (Virginia Tech University)

JOHNSON, MICHAEL D., Dean, College of Sciences and Professor of Physics (1991), B.S., Ph.D. (University of Virginia)

JONES, J. JEFFREY, Vice Provost, UCF Regional Campuses (2013), Ph.D. (University of Florida)

JONES, TRACY R., Assistant Dean, Graduate Admissions, Student Services, and Recruiting, College of Graduate Studies (1995), B.A., M.A. (University of Central Florida)

JUNTEEN, DANA, Executive Director and Assistant Dean of Students, Office of Student Rights and Responsibilities (2003), B.A., M.Ed. (James Madison University)

KEATON, ALICIA, Director, Office of Student Financial Assistance (2013), B.S., M.B.A. (Wayne State University)

KERRICK, LEE, Associate Vice President for Administration and Finance, Facilities and Safety (2007), B.S.M.P. (Hammond University)

KITTNER JR., FRED R., Associate Vice President, University Relations (2003), B.A., M.S. (Florida State University)

KOPOSEC, RONNIE L., Associate Provost and Director of Operations, and Associate Professor of Public Administration (2001), B.A., M.P.A., Ph.D. (State University of New York at Binghamton)

LANYON, PATRICE, Director, Operational Excellence and Assessment Support (2001), B.A., M.A., Ph.D. (Wayne State University)

LANEY, DAVID, Associate Vice President, Business Affairs and Operations, UCF Regional Campuses (2002), MALARET, STACEY, Director, LEAD Scholars Academy (2001), B.A., M.A., Ed.D. (University of Central Florida)

MARTIN, BILL, Director, Facilities Planning and Construction (2014), B.Design, M.Arch (University of Florida)

MASHAEI, BOB, Director, Facilities Planning and Construction (2013), B.S.E.E. (University of Pittsburgh)

MCCLOUD, REBEKAH, Director, Student Development and Enrollment Services TRIO Programs (1997), B.A., M.Ed., M.S., Ed.D.

MEALOR, DAVID, Professor and Associate Vice President, UCF Sanford/Orlando Health Distinguished Professor, Director, UCF Technology Incubator and Associate Director, John E. Hopkins University (1991), B.A., M.P.A., B.A., M.B.A., Ph.D.

OCONNELL, STEPHEN, Director, First Year Advising and Exploration (2015), B.A., M.A. (Ohio State University)

ORTIZ, VIVIAN J., Director, Assessment, Development and Grants, Student Development and Enrollment Services (2002), B.S., M.S.W., Ph.D. (University of Central Florida)

PAYNE, RICHARD S., Associate Vice President, Budgets and Administration, Student Development and Enrollment Services (2005), B.A., M.B.A. (University of Central Florida)

PETRUKOV, ANA, Director, Constituent Relations (2005), B.S., M.S. Ed. (Pittsburgh State University)

PHILLIPS, RICHARD, Director, Activity and Service Fee Business Office (2013), B.S. (University of Utah)

PIETY, REBECCA, Director, Student Academic Resource Center and University Testing Center (1996), B.A. (University of Central Florida)

PITTMAN, JOHN C., Associate Vice President for Administration and Finance, Debt Management (2000), B.A., M.S.A. (University of Central Florida)

PIZAM, ABRAHAM, Dean, Rosen College of Hospitality Management, Linda Chapin Eminent Scholar Chair in Tourism Management, Professor of Hospitality Management and Secondary Joint Professor of Medicine (1983), B.A., M.P.A., Ph.D. (Cornell University)

PRESTON, MICHAEL, Executive Director, Florida Consortium of Metropolitan Research Universities (2011), B.A., M.S., Ed.D. (Texas A&M University at Commerce)

PRESTI, DIANA, Associate Vice President, Student Development and Enrollment Services (2005), B.A., M.A. (University of Alabama at Birmingham)

RANGE, ANTHONY, Assistant Vice President, Neighborhood Relation and Safety Education (1994), B.S., M.Ed. (Florida A&M University)

REED, HAL C., Assistant Vice President for Planned Giving (2000), B.A., J.D. (University of Kansas)

REYNOLDS, DEBRA, Director for Operations and Technology, Undergraduate Admissions (1998), B.S. (University of Central Florida)

RICHARDSON, DAN, Executive Director, Human Resources (2015), B.A., M.P.A. (Webster University)

RIVERS, CECILIA H., Assistant Vice President, UCF Leesburg, UCF Ocala, and UCF South Lake, UCF Regional Campuses (1981), B.A., M.A., Ed.D. (University of Central Florida)

ROBINSON, GREGORY, Director, Purchasing (1998), B.S., M.P.A (University of Central Florida)

SALEH, BAAHE A. E., Dean and Director, Professor of Optics & Photonics (2000), B.S., M.S., Ph.D. (University of Central Florida)

SAWYER, CURTIS, Associate Vice President for Administration and Finance, University Services (2002), B.S. (United States Military Academy)

SCHELL, JOHN F., Vice President and Chief Staff, Office of the President, and Professor of English (1987), B.A., M.A., Ph.D. (Vanderbilt University)

SCHNEIDER, KIMBERLY, Director, Undergraduate Research (2007), B.S., Ph.D. (University of South Carolina)

SCHONS, EDWARD L., Director, University Economic Development, University Relations (2000), B.S. (Florida Southern College)

SCHUCKMAN, GREGORY A., Dean of Graduate Financial Assistance and Professor of Economics (2022), A.A., B.B.A., M.B.A. (Valdosta State University)

SCHUMANN, DUANE, Director, Facilities Operations (2014), B.S.E.E. (University of Central Florida)

SINGH, KRISHNA, Director, Parking and Transportation Services (2000), B.A. (University of Minnesota)

SOLE, MARY LOU, Dean and Orlando Health Distinguished Professor, College of Nursing (1991), B.S., M.S.N., Ph.D. (University of Texas)

STANSBURY, TODD, Vice President and Director of Athletics (2012), B.S., M.S., Georgia State University (1990), B.A., M.S.A. (University of Central Florida)

STOCKMAN, CHERILL, Lecturer, College of Nursing (2015), B.S. (Saint Louis University)

SULLIVAN, LINDA, Director, Enterprise Information Services (1970), B.A., M.S.A., Ed.D. (University of Central Florida)

SWEENEY, MICHAEL J., Coordinator of Special Programs, and Professor Emeritus, Molecular Biology and Microbiology (1979), B.S. (Temple University School of Medicine)

TANT, CHRISTY, Director, Budget Planning and Administration (2010), B.S., M.A. (University of Florida)

THACKER, LINDA BRADLEY, Assistant Vice President and Director, UCF Daytona Beach (2007), B.A., M.S., Ph.D. (Florida State University)

TORRES, CHANDA, Associate Vice President, Advising and Career Services, Student Development and Enrollment Services (2012), B.S., M.A., Ed.D. (University of Central Florida)

TREES, DIANE, Associate Vice President, Community Relations and Metropolitan Center for Regional Studies (1994), B.S., B.S.N., M.S. (University of Central Florida)

TRIVEDI, SHREYNA, Ombuds Officer (2011), B.A. (University of Central Florida)

UPHALL, MICHELLE, Professor, College of Nursing (2015), R.N. B.S. (University of Virginia)

VANATH, ANATHAN, PALLAVOOR N., Assistant Vice President for Research (1999), B.S., B.E., M.Sc., M.B.A. (University of Central Florida)


WADE, JAMES C., Director, Sustainability and Energy Management (2011), B.S. (Michigan State University)

WANG, DEBRA N., Dean of Burnett Honors College and Professor of Psychology (1997), B.A., Ph.D. (State University of New York at Stony Brook)

WATSON, MONTEL J., Director, Resources Management (1994), B.A., M.S.A. (Loyola University of Chicago)

WELCH, KERRY, Associate Vice President, Student Development and Enrollment Services (2004), B.A., M.A., Ed.D. (University of Cincinnati)

WHITTAKER, A. DALE, Provost and Professor of Civil, Environmental, and Construction Engineering (2014), B.S., M.B.S. (Purdue University)

WILKENING, JAMES, Director, Recreation and Wellness Center (1992), B.S.B.A., M.A.T. (University of Louisville)


WRIGHT, JENNIFER, Director, Integrity and Ethical Development (2002), A.A.S., B.S.B.A. M.A. (Appalachian State University)

YANCHELLO, ROBERT, Director, Computer Services and Telecommunications (2004), B.S., M.Ed., (Pennsylvania State University)

YOUNG, CYNTHIA, Vice Provost for Faculty Development and International Affairs and Global Strategies, and Professor of Mathematics (1997), B.A., M.S., Ph.D. (University of Washington)

YOUNG, DENISE L., Associate Vice President and Director UCF Cocoa and UCF Ocala (1990), B.A., M.S.W., Ph.D. (University of Michigan)
<table>
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<tr>
<th>Date</th>
<th>Name and Title</th>
<th>Date</th>
<th>Name and Title</th>
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<tr>
<td>August 1974</td>
<td>Fred C. Clayton, Doctor of Professional Engineering</td>
<td></td>
<td>Reuben Askew, Doctor of Public Service</td>
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<td></td>
<td>Lee R. Scherer, Doctor of Engineering Science</td>
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<td>James Bacchus, Doctor of Public Services</td>
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<tr>
<td>June 1980</td>
<td>Thelma Vivian Jackson Dudley, Doctor of Humanities</td>
<td>October 2002</td>
<td>Albert Burnett, Sr., Doctor of Commercial Science</td>
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<tr>
<td>April 1982</td>
<td>Gene Burns, Master of Letters</td>
<td>December 2004</td>
<td>G. Vince Amico, Doctor of Science</td>
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<td>Andrew Duda, Jr., Doctor of Agricultural Service</td>
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<td>Lester Mandell, Doctor of Commercial Science</td>
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<td>Ferdinand Duda, Doctor of Agricultural Service</td>
<td>May 2005</td>
<td>Harriet Elam-Thomas, Doctor of Public Service</td>
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<td>John Duda, Doctor of Agricultural Service</td>
<td>March 2006</td>
<td>Anibel Acevedo Vila, Doctor of Public Science</td>
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<td>Mary Jo Davis, Doctor of Public Service</td>
<td>May 2007</td>
<td>Charles Hard Townes, Doctor of Science</td>
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<td>Charles Wadsworth, Doctor of Public Service</td>
<td>December 2009</td>
<td>Jerry S. Roth, Doctor of Commercial Science</td>
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<td>May 1985</td>
<td>George J. Becker, Jr., Doctor of Public Service</td>
<td>December 2012</td>
<td>Sanford Shugart, Doctor of Humane Letters</td>
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<td>December 1988</td>
<td>Sven Caspersen, Doctor of Engineering Science</td>
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<td>John D. Holloway, Doctor of Public Service</td>
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<td>May 1989</td>
<td>Wolfgang-Detlef Petri, Doctor of Commercial Science</td>
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<td>Frank M. Hubbard, Doctor of Public Service</td>
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<td>David Albertson, Doctor of Humane Letters</td>
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<td>William S. Jenkins, Doctor of Humane Letters</td>
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<td>James C. Robinson, Doctor of Public Service</td>
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<td>Charles N. Millican, Doctor of Laws</td>
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<td>May 1990</td>
<td>Helen Harris Perlman, Doctor of Humane Letters</td>
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<td>Thaddeus Seymour, Doctor of Letters</td>
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<td>May 1991</td>
<td>Roald Hoffman, Doctor of Science</td>
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<td>May 1993</td>
<td>Buell G. Duncan, Jr., Doctor of Commercial Science</td>
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<td>May 1995</td>
<td>Norman R. Augustine, Doctor of Engineering Science</td>
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<td>December 1995</td>
<td>Jesse Stone, Doctor of Humane Letters</td>
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<td>April 1996</td>
<td>Nicolaas Bloembergen, Doctor of Science</td>
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<td>December 1996</td>
<td>Richard A. Nunis, Doctor of Public Service</td>
<td></td>
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*President John C. Hitt with Dr. Phyllis A. Klock*
<table>
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<tr>
<th>Abbreviation</th>
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<tr>
<td>FC-A</td>
<td>All Knight Study</td>
</tr>
<tr>
<td>ADP</td>
<td>Alpha Delta Pi - Sorority</td>
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<tr>
<td>ATO</td>
<td>Alpha Tau Omega - Fraternity</td>
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<td>AZD</td>
<td>Alpha Xi Delta - Sorority</td>
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<td>ARF</td>
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<td>ADRF</td>
<td>Ara Dr. Research Facility</td>
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<td>ARB</td>
<td>Arboretum</td>
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<td>Art Gallery</td>
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<td>Band Storage</td>
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<td>BYC</td>
<td>Barbara Ying Center</td>
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<td>CMMS</td>
<td>Barbara Ying Center - CMMS</td>
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<td>JBF</td>
<td>Baseball Field</td>
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<td>LS01</td>
<td>Bio Molecular Meeting Portable</td>
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<td>BIO</td>
<td>Biological Sciences</td>
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<td>BTG</td>
<td>Biological Transgenic Greenhouse</td>
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<td>BFRC</td>
<td>Biology Field Research Center</td>
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<td>BMRA</td>
<td>Biomolecular Research Annex</td>
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<td>BPW</td>
<td>BPW Scholarship House</td>
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<tr>
<td>BRE</td>
<td>Brevard Hall</td>
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<td>BHNS</td>
<td>Bright House Networks Stadium</td>
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<td>BHC</td>
<td>Burnett Honors College</td>
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<td>PRS</td>
<td>Burnett House</td>
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<td>Burnett School of Biomedical Sciences</td>
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<td>BA1</td>
<td>Business Administration I</td>
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<td>Business Administration II</td>
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<td>Career Services and Experiential Learning</td>
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<td>CEM</td>
<td>Center for Emerging Media</td>
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<td>CFE Arena</td>
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<td>CHEM</td>
<td>Chemistry</td>
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<td>College of Arts &amp; Humanities</td>
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<td>College of Sciences Building</td>
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<td>CSC2</td>
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<td>UWC</td>
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<td>Emergency Services Training Building</td>
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<td>Engine Research Lab</td>
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<td>EDC</td>
<td>Executive Development Center - UCF College of Business</td>
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<td>FSC</td>
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<td>FIEA</td>
<td>FIEA - Florida Interactive Entertainment Academy</td>
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Building Abbreviations

N107 Nike 107
FC-C Office of Student Rights and Responsibilities
OCPS Orange County School System
ORG Orange Hall

orlando-shakes Orlando Shakespeare Theatre in Partnership with UCF

OTC3 Orlando Tech Center
OTC5 Orlando Tech Center - Bldg. 500
OTC6 Orlando Tech Center - Bldg. 600

OSC Osceola Hall

— Parking & Transportation Services

CP S Partnership I
P2 Partnership II
P3 Partnership III

LC60 Pegasus Courtyard #60
LC61 Pegasus Courtyard #61
LC62 Pegasus Courtyard #62
LC63 Pegasus Courtyard #63
LC64 Pegasus Courtyard #64

PAC Performing Arts Center
PAC Performing Arts Center Music
PAC Performing Arts Center Theatre
PSB Physical Sciences Building
PBP Pi Beta Phi - Sorority
POL Polk Hall
PRNT Print Shop

PSY Psychology Building
UPD Public Safety Building (Police)
RSSP Rec Services Soccer Field Pavilion
RWC Recreation and Wellness Center
RSP Recreation Service Pavilion
RFM Recreation Services Field Maintenance
RSFR Recreation Services Field Restroom
RSB Recreation Support
RC Recycling Center

— Reflecting Pond

KSK Reflections Kiosk
RH Rehearsal Hall
PVL Research Pavilion
LS23 Retirement Planning & Investments / Athletics

OBSV Robinson Observatory

— Rosen College Apartments
— RWC Park

FC-B SDES Information Technology
SEM Seminole Hall
SEC Siemens Energy Center
SX Sigma Chi - Fraternity
STTC Simulation, Training and Technology Center
SBDC Small Business Development Center

— Soccer Practice Field
SBS Softball Stadium

FC-E SRC Auditorium
SWRL Storm Water Research Lab

FC-F Student Accessibility Services
STUN Student Union
SUM Summer Hall

TA Teaching Academy
TC1 Technology Commons I
TC2 Technology Commons II
IRIF Technology Incubator

— The Venue

TH Theatre
G409 Theta Chi - Fraternity

TRNP Timothy R. Newman Nature Pavilion
T1 Tower I
T2 Tower II
T3 Tower III
T4 Tower IV

TSS Track & Soccer Field

— Trailer
— Trailer 2
— Trailer 3
— Trailer 4

UCFH UCF House

UTC University Tech Center
UTWR University Tower

— Veterans Commemorative Site
VPI Visitor and Parking Information Center
VAB Visual Arts Building
VOL Volusia Hall
WT Water Tower

WD1 Wayne Densch Center I
WD2 Wayne Densch Center II

WDSC Wayne Densch Sports Center
WDSC Wayne Densch Sports Center

ZTA Zeta Tau Alpha - Sorority

UNIVERSITY OF CENTRAL FLORIDA

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A.A.: associate in arts degree. A degree designed for transfer to an upper division college or university. A Florida A.A. degree satisfies General Education (GEP) at all Florida SUS Schools.

Accreditation: certification that the college/school or program has met established standards and is nationally recognized by appropriate accrediting agencies.

ACT: American College Testing program is used for undergraduate admission purposes.

Add: online procedure used to alter class schedules after registration. During this time, students can adjust their schedules through myUCF (https://my.ucf.edu) by adding courses. Students should check the appropriate term’s Web Enrollment Guide for details.

A.S.: associate in science degree. A broad-based degree designed to prepare students to enter a wide variety of careers.

ASSA: Academic Services for Student Athletes.

Audit (course): to attend classes without receiving academic credit.

Audit (Degree): computerized summary of progress toward completion of degree requirements to be used with academic advising and registration. Available from myUCF at https://my.ucf.edu. (See also “Degree Audit”)

BA: Business Administration. This abbreviation appears in the listing of courses and refers to the College of Business Administration (CBA). Also see Bachelors Degree.

Baccalaureate or Bachelors Degree: completion of all University and major graduation requirements as certified by the University (B.A. is the Bachelor of Arts degree and B.S. is the Bachelor of Science degree).

BHC: Burnett Honors College

Breaking Catalog: loss of eligibility to follow graduation requirements in a specific catalog.

BSBS: Burnett School of Biomedical Sciences within the College of Medicine.

CAH: College of Arts and Humanities.

Catalog: resource for UCF academic policies and procedures, college/school and degree requirements, course descriptions and faculty listings. It is published annually and its contents are subject to change. Available online at https://www.catalog.sdes.ucf.edu.

Catalog Year: the edition of the University catalog that governs course prerequisites, co-requisites and graduation requirements for a particular academic year.

CBA: College of Business Administration.

CECS: College of Engineering and Computer Science.

CEDHP: College of Education and Human Performance.

Certificate: special program of study supplemental to a major.

C/i: consent of instructor.

Class Schedule Search: a component of the online myUCF system (https://my.ucf.edu) that lists courses and class sections offered each academic term.

COHPA: College of Health and Public Affairs.

College: collection of related academic departments. There are thirteen colleges at UCF: Burnett Honors College (BHC), Arts and Humanities (CAH), Business Administration (CBA), Education and Human Performance (CEDHP), Engineering and Computer Science (CECS), Graduate Studies, Health and Public Affairs (COHPA), Medicine (COM), Nursing, Optics and Photonics (CREOL), Sciences (COS), Undergraduate Studies, and Rosen College of Hospitality Management (RCHM).

COM: College of Medicine.

Common Course Numbering: the statewide course numbering system (SCNS) uses a course designation that consists of a 3-letter prefix and a 4-digit number and when necessary a one-letter laboratory (L) or lecture/laboratory (C) suffix.

Common Program Prerequisite: the State of Florida has identified Common Program Prerequisites for all University programs. These prerequisites must be completed by all students entering that field of study, must be accepted by all state universities and must be applied towards the degree.

Contact hours: number of hours students meet in class.

Continuous Enrollment: enrollment not interrupted by non-attendance for either consecutive Fall and Spring terms, or consecutive Spring, Summer term, and Fall.

COS: College of Sciences.

CR: co-requisite is an additional course in which you must enroll during the same term as the primary course you desire to take.

Credit Hour or Semester Hour: every course taught is designated a total number of credit hours. The number of credit hours for a class reflects approximately the total hours a student spends per week in class. Most lecture courses are three credit hours and meet three hours each week. Students should expect to spend at least two hours of study time outside of class for every hour spent in class. One semester hour equals 1.5 quarter hour.

Degree Audit: a computerized degree audit lists courses completed toward major and degree requirements.

Diploma: official certificate displaying earned degree, major and baccalaureate honors.

Directory Information: information items that the Family Educational Rights and Privacy Act of 1974, as Amended (FERPA) authorizes the University to release without the student’s prior consent, unless the student has filed a “Directory Disclosure/Release Authorization Form” with the Registrar’s Office. Directory information at UCF includes the student's name, current mailing address, telephone number, date of birth, enrollment status, dates of attendance, major field of study, degree and awards received, participation in officially recognized activities and sports, and athletes' height and weight.

Disqualified: a student on academic probation who fails to achieve a minimum 2.0 GPA during a subsequent term is excluded from the University. Students are not eligible for readmission after exclusion. See “Readmission” for details.

FYE: First Year Experience.

GEP: General Education Program: Specific courses required for all UCF degree programs providing skills and knowledge in general subject areas essential to continued learning and success, not only in college but throughout the student’s life.

Gordon Rule: requires students to complete four composition courses (12 semester hours) and two courses (six semester hours) of mathematics at the level of college algebra or higher. Each course must be completed with a grade of “C” (1.75) or better.

GPA: “Grade Point Average”: the average number of grade points per semester hour attempted. GPA is computed by dividing the total number of grade points assigned by the total number of semester hours attempted, less hours resulting from NC, W, WP, and I grades.
UCF Glossary

Grade Forgiveness: refers to when a course taken at UCF is repeated, and for grade point average purposes, the grade earned in the first attempt is replaced by the grade earned in the second attempt at UCF (may be used only twice in the student’s academic career).

Grade Point Deficiency: for readmission purposes only, this term is defined as the number of UCF credit hours earned with a “B” (3.0 GPA) grade that a student requires to raise his or her UCF cumulative grade point average to 2.0. A student’s grade point deficiency is calculated when the student applies for readmission.

Health Form: documentation of immunity for measles and rubella, as well as consent for treatment at the University Health Center (must be completed and returned to Student Health Services prior to the first registration).

Hold: also called a “negative service indicator,” this is a block on activity for transcripts, grades, diploma, or registration because of financial or other obligations to UCF.

Incomplete: grade assigned by the instructor when a student is unable to complete a course due to extenuating circumstances. Must be completed in 12 months or by graduation, whichever comes first.

Junior and Senior Courses: upper level courses with common course numbers ranging from 3000-4999 (e.g., ENG 3311, Advanced Expository Writing).

Kiosk: stand-alone PCs located in UCF public areas providing access to student records and general information.

Limited Access: a major that has additional admission requirements (e.g. early application date, a separate application, or specific GPA requirements). Certain academic programs designated as “limited access” only guarantee admission to a limited number of applicants.

Lower Level Courses: courses with a number of 1000-2999 (not less than 1000).

Majors: group of related courses that constitute a focused program of study in a specific area of knowledge.

MASS: Multicultural Academic and Support Services

Material and Supply Fee: a charge associated with some courses to cover items consumed within the class.

Matriculation: enrollment and attendance your initial term at UCF. Can be as an admitted, degree-seeking student or as a nondegree student.

MEP: Major Exploration Program to assist students who are undecided about a major.

Minor: a complement to a bachelor’s degree program/ major requiring at least 18 credit hours in a field.

NID: Network Identification Number that students use to log in to web courses and UCF computer labs and, since July 1, 2014, when logging into myUCF or the UCF Information Kiosks.

Nursing: College of Nursing.

Overall GPA: cumulative GPA of UCF and transfer course work.

Password: a series of four to eight characters and numbers chosen by the student that is associated with the NID (Network Identification Number). Each time you use the NID to enter myUCF, you also will enter your password.

Pending Status: category assigned to students who desire to enter limited or restricted access programs. Typically, students are required to complete the GEP and all major pre-requisites prior to admission into the desired limited access program. (Department will change students' status upon acceptance into the program.)

PR: prerequisite refers to a specific course that must be taken and passed prior to enrolling in the primary course the student desires to take.

Probation: action taken when a student’s UCF overall GPA drops below 2.0.

Readmission: reapply to the Registrar’s Office after an absence of two or more terms.

Registration: the act of enrolling in classes. This may be done through myUCF at https://my.ucf.edu and, in limited circumstances, at the colleges’ advising offices.

Repeat Surcharge: additional fee applied when a student enrolls in the same course three or more times.

Restricted Access: a major that has additional admission requirements (e.g. early application date, a separate application or specific GPA requirements). There is no limit to the number of students who can be enrolled. Students meeting the specified requirement(s) normally will be admitted.

Restricted Electives: a specified group of courses within a major from which students must make selections.

Retention: a term used to describe students’ continued enrollment at the University until successful completion of their educational goals.

RHIM: Rosen College of Hospitality Management

SARC: Student Academic Resource Center provides academic support programs, including supplemental instruction, tutoring, academic advising, and various other programs and services to students.

SAT: Scholastic Assessment Test is an assessment used for University admission purposes.

Satisfactory Academic Progress: a general eligibility requirement for financial assistance. (see the “Student Financial Assistance” section of this Undergraduate Catalog.)

Second Bachelors Degree: awarded when the student meets the requirements for both degrees and earns a minimum of 150 credit hours.

Session: refers to one of several offerings of the same course scheduled at different days of the week and hours of the day. For example: There may be 40 different sections of ENC 1101 offered within a term.

Sequence: a series of courses within the same subject area. Generally, the student takes these courses in numerical order (e.g., PHY 2053 then 2054). Students should consult the advisor before registering out of sequence.

STEP: State Tuition Exemption Program

Student Success Center: advising offices and other academic support services for first-year students located on the first two floors of Howard Phillips Hall.

SUS: State University System. All twelve Florida public universities are part of the SUS.

Term: the academic year at UCF is divided into segments called “terms” (also called “semesters”). Each lasts approximately 16 weeks. Some universities break the year into fourths and call them “quarters.” UCF is on the semester system; however, we usually speak of “Fall Term,” “Spring Term,” or “Summer Sessions.”

Term GPA: grade point average (GPA) on work attempted during any given term.

Third Attempt Charge: see “Repeat Surcharge.”

Track: one of two or more significant variations in a degree program or major. Approximately 50% of the courses in one track differ from the courses required in other tracks.

Transcript: official academic record mailed from the Registrar’s Office.

TSD: Accelerated education opportunities.

TSR: Transfer Summary Report is a listing of all coursework transferring to the University for credit. A preliminary TSR is generated at the time of acceptance. A final TSR is processed after all final transcripts have been received by the Admissions Office.

Transient Student: a UCF student enrolled in courses at another regionally-accredited institution.

UCF Regional Campus System: UCF Altamonte Springs, UCF Cocoa, UCF Daytona Beach, UCF Leesburg, UCF Ocala, UCF Palm Bay, UCF Sanford/Lake Mary, UCF South Lake, UCF Valencia East, UCF Valencia Osceola, and UCF Valencia West.

UCF GPA: grade point average (GPA) on all work attempted while in attendance at UCF.

UCF ID: (Identification number): personal seven-digit number required as a unique identifier for each student.

Upper Level Courses: courses with a course number of 3000-4999.

VARCH: Veterans Academic Resource Center providing GI Bill educational benefit certification and academic support programs, including supplemental instruction, tutoring, academic advising, career advising, student accommodation services, counseling services, and various other programs and services for student veterans.

Withdrawal: Withdrawal from a Course: to formally request an official departure from one or more courses during the first half of the term or session through myUCF (https://my.ucf.edu) or at the Registrar’s Office. Students who withdraw from a class are still responsible for tuition and fees for that withdrawn course.
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