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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!

I hope you are excited about the new academic year and the many opportunities that await you at UCF. 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.

A college education is all about learning, and excellent learning occurs in our classrooms, laboratories, and studios. But you will also learn important lessons when you volunteer to tutor grade-school students, play sports, get involved in student government, and participate in any of the numerous clubs and organizations on campus.

Take pride in your university. Our academic programs are setting the standard for the nation, 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.

Take pride in yourself. Make the UCF Creed an integral part of your value system. Conduct yourself on campus and in the community to bring distinction to you and to our university.

You have my best wishes for success during this coming year. 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 170,000 alumni whose lives have been changed by their UCF experience.

Remember, UCF stands for opportunity. Seize this opportunity for your success.

Cordially yours,

John C. Hitt
President
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**NOTE:** Dates are subject to change. Consult the Web Enrollment Guide and online Academic Calendar (http://www.registrar.sdes.ucf.edu/calendar) 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 Initiatives (MH 329) at 407-823-6479.

1 Ends at 5:00 p.m. on the last day.
2 Summer B payment deadline for all students who register 3/22 - 5/21; Summer B payment deadline for all students who register May 22 - July 2.
3 $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.
4 $100 Late Payment Fee applies to students who do not pay their fees or do not pay their fees by the due date.
5 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.”
6 Summer Final Exams are given during the last class meeting.

**University Holidays and Special Events**

- **Memorial Day Holiday** .................................. May 31, 2010
- **Independence Day Holiday** ............................. July 5, 2010
## 2010 - 2011 FALL/SPRING ACADEMIC CALENDAR

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1 $100 Late Payment Fee applies to students who do not pay their fees or do not pay their fees by the due date.
2 $100 Late Registration Fee applies to students who have not enrolled by the close of Registration.
3 Incomplete grades must be removed within one year of the award date prior to graduation from the University, whichever comes first, else they will change to “F.”
4 Under the new Multiple Term Registration procedure, undergraduates with a declared major and UCF GPA of 3.5 or higher will receive their appointment dates and times for Summer 2009, Fall 2009 and Spring 2010 beginning March 2, 2009. Registration for these students will begin on or after March 23. All other eligible students will receive their registration times beginning October 12 and Spring registration for these students will begin on or after October 26.

### University Holidays and Special Events

- **Labor Day Holiday** ............................................. September 6, 2010
- **Main Campus/Research Park classes end 12:20 p.m. No afternoon/evening classes. (Campuses close 12:30 p.m.)** ...... October 6, 2010
- **Regional and Rosen Campus classes end at 2:50 p.m. No evening classes. (Campuses close 3:00 p.m.)** .................. October 6, 2010
- **Main, Regional, Research Park, and Rosen Classes resume (7:00 a.m.)** ................................................. October 7, 2010
- **Homecoming Week (classes still held)** ................................................................. October 17-23, 2010
- **Homecoming Game - vs. Rice** ............................................. October 23, 2010
- **Veterans Day Holiday** ............................................. November 11, 2010
- **Thanksgiving Holidays** ............................................. November 25-27, 2010
- **Martin Luther King Jr. Holiday** ............................................. January 17, 2011
- **Spring Break** .......................................................... March 7-12, 2011
- **Founder’s Day Honors Convocation (classes still held)** ............................................. April 6, 2011

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**Veterans Day Holiday** ............................................. November 11, 2010

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**Martin Luther King Jr. Holiday** ............................................. January 17, 2011

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**Spring Break** .......................................................... March 7-12, 2011

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**Founder’s Day Honors Convocation (classes still held)** ............................................. April 6, 2011

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**Thanksgiving Holidays** ............................................. November 25-27, 2010

---

**Martin Luther King Jr. Holiday** ............................................. January 17, 2011

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**Spring Break** .......................................................... March 7-12, 2011

---

**Founder’s Day Honors Convocation (classes still held)** ............................................. April 6, 2011

---

**Thanksgiving Holidays** ............................................. November 25-27, 2010

---

**Martin Luther King Jr. Holiday** ............................................. January 17, 2011

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**Spring Break** .......................................................... March 7-12, 2011

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**Founder’s Day Honors Convocation (classes still held)** ............................................. April 6, 2011

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**Thanksgiving Holidays** ............................................. November 25-27, 2010

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**Martin Luther King Jr. Holiday** ............................................. January 17, 2011

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**Spring Break** .......................................................... March 7-12, 2011

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**Founder’s Day Honors Convocation (classes still held)** ............................................. April 6, 2011

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**Martin Luther King Jr. Holiday** ............................................. January 17, 2011

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**Spring Break** .......................................................... March 7-12, 2011

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**Founder’s Day Honors Convocation (classes still held)** ............................................. April 6, 2011

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**Martin Luther King Jr. Holiday** ............................................. January 17, 2011

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**Founder’s Day Honors Convocation (classes still held)** ............................................. April 6, 2011

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**Martin Luther King Jr. Holiday** ............................................. January 17, 2011

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**Spring Break** .......................................................... March 7-12, 2011

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**Founder’s Day Honors Convocation (classes still held)** ............................................. April 6, 2011
**UNIVERSITY NOTICES**

**Undergraduate Academic Policy Statement**

The University of Central Florida, may change any of the announcements, information, policies, rules, regulations, or procedures set forth in the Undergraduate Catalog and the Undergraduate Guide. The Undergraduate Catalog is published online once a year and cannot always reflect new 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 on the basis of race, sex, national origin, religion, age, disability, marital status, parental status, veteran's status, genetic information, and sexual orientation is prohibited. Sexual harassment, a form of sex discrimination, is defined as unwelcome 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;
3. Such conduct has the purpose or effect of substantially interfering with an individual's work performance or enrollment, or creating an intimidating, hostile, or offensive working or academic environment.

Sexual harassment is strictly prohibited. Occurrences will be dealt with in accordance with the guidelines above and University rules. Employees, students, or applicants for employment or admission may obtain further information on this policy, including grievance procedures, from the Equity Coordinator. The Director of the Office of Equal Opportunity and Affirmative Action Programs is the campus Equity Coordinator responsible for concerns in all areas of discrimination. 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 in any of its activities. The unlawful manufacture, distribution, dispensation, possession, or sale, of marijuana or a controlled substance, prescription medication, or the unlawful possession and use of alcohol is harmful and prohibited in and on UCF owned or 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, possession and consumption of alcoholic beverages shall comply 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 addition the University has formulated the following policies governing the sale, service, possession and consumption of alcoholic beverages on campus.

**Guidelines**

The sale and service of alcoholic beverages to persons younger than 21 years of age is prohibited. Possession or consumption 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 condition, as it may be affected by mind-altering chemicals such as alcohol and other drugs.

Student organizations may develop more stringent regulations regarding alcohol use.

**Locations**

The sale of alcoholic beverages to individuals of legal age will be permitted 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, 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 will be sold or served is necessary. Additional information on approval procedures is provided in the Student Organizations Handbook. Approval procedures for student organizations shall be determined by the University from offering all required courses in each semester or in day and evening sections.

**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 beverage or food must seek approval through the University and local, state and federal law.

**Tobacco Division of the Department of Business Regulations of the State of Florida.**

Off-campus groups or organizations who seek to serve 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.

**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 and/or disciplinary action. Academic action affects student assignments, examinations or grades. Disciplinary action may affect student enrollment status. Academic Misconduct includes but is not limited to cheating, plagiarism, 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 breaches of standards shall be considered equally culpable. In cases of cheating or plagiarism, the instructor may 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, the instructor may request discussion with the Office of Student Rights and Responsibilities as outlined 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, and e-mailing correspondence to instructors or fellow students. 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 Knight’s E-mail accounts and Internet access. Students wishing to acquire a personal computer are strongly advised to consider a laptop equipped with a wireless network adaptor. Recommended configurations can be found on the University’s Web site at http://cstore.ucf.edu/graphics/Computer Recommendations.pdf.

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 e-mail as the official means of notifying students of important university business and academic information concerning registration, deadlines, financial assistance, scholarships, student accounts (including tuition and fees), academic progress and problems, and many other critical items for satisfactory completion of a UCF degree program. The University sends all business-related and academic messages to a student’s Knights E-mail account to ensure that there is one repository for that information. Every student must register for, and maintain a Knights E-mail 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 must be resolved through the UCF Computer Services Service Desk so that a student receives all important messages.

Additionally, each student must have an up-to-date emergency e-mail 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 E-mail account for official announcements and notifications. Communications sent to the Knights E-mail addresses 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 communications are not received by students who have not registered for, or maintained and checked their Knights E-mail 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 resolution, 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 the 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 Commission on Colleges of the Southern Association of Colleges and Schools (1866 Southern Lane, Decatur, Georgia 30033-4097; telephone number 404-679-4501) to award degrees at the associate, baccalaureate, master’s, doctoral, and professional levels. At the undergraduate level, the following programs (disciplines) have been granted accreditation:

<table>
<thead>
<tr>
<th>College/Discipline</th>
<th>Accrediting Body</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arts and Humanities, Music, Music Education</td>
<td>National Association of Schools of Music (NASM)</td>
</tr>
<tr>
<td>Business Administration (all disciplines)</td>
<td>The Association to Advance Collegiate Schools of Business (AACSB International)</td>
</tr>
<tr>
<td>Education (all disciplines)</td>
<td>State Accreditation - Florida Department of Education; National Council for Accreditation of Teacher Education (NCATE)</td>
</tr>
<tr>
<td>Engineering and Computer Science</td>
<td>Accredited by the Engineering Commission</td>
</tr>
<tr>
<td>Aerospace, Civil, Computer, Electrical, Environmental, Industrial, Mechanical Engineering</td>
<td>Accredited by the Computing Accreditation Commission of ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, and Telephone: (410) 347-7700</td>
</tr>
<tr>
<td>Engineering Technology and Electrical Engineering Technology - Electrical Systems Concentration</td>
<td>Accredited by the Technology Commission of ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, and Telephone: (410) 347-7700</td>
</tr>
<tr>
<td>Health and Public Affairs, Athletic Training</td>
<td>Commission on Accreditation of Athletic Training Education (CAATE)</td>
</tr>
<tr>
<td>Cardiopulmonary Science</td>
<td>Committee on Accreditation for Respiratory Care (CoARC)</td>
</tr>
<tr>
<td>Health Information Management</td>
<td>Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM)</td>
</tr>
<tr>
<td>Radiologic Sciences</td>
<td>Joint Review Committee on Education in Radiologic Technology (JRCERT)</td>
</tr>
<tr>
<td>Social Work</td>
<td>Council on Social Work Education (CSWE)</td>
</tr>
<tr>
<td>College of Medicine - Burnett School of Biomedical Sciences</td>
<td>National Accrediting Agency for Clinical Laboratory Sciences (NAACLS)</td>
</tr>
<tr>
<td>Nursing</td>
<td>Commission on Collegiate Nursing Education (CCNE), Florida Board of Nursing</td>
</tr>
<tr>
<td>Sciences</td>
<td>American Chemical Society (ACS) Committee On Professional Training</td>
</tr>
</tbody>
</table>

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

UCF Stands For Opportunity: The University of Central Florida is one of the most dynamic universities in the country in one of the most popular cities in the world. Offering 214 degree programs, it is an academic and research leader in numerous fields, such as optics, medicine, engineering, computer science, business, administration, education, the sciences including biomedical sciences, hospitality management and digital media.

UCF’s 1,415-acre main campus provides modern facilities, most of which have wireless abilities, with 600 acres set aside for lakes, woods and an arboretum. UCF has 12 colleges, including the newly established College of Medicine. More than 53,500 students attend classes on UCF’s main Orlando campus and its 11 regional campuses. UCF began offering classes in 1968 and recently granted its 200,000th degree.

The incoming freshmen class for the academic year 2009-10 of 3,842 students has an average SAT of 1225 and a high school grade-point average of 3.8. The Burnett Honors College incoming class has an average SAT score of 1374 and a grade-point weighted average of 4.2. UCF ranks in the top 50 universities nationwide for the number of National Merit Scholars of first-time-in-college students.

The UCF Libraries offer more than 1.9 million volumes and 32,009 serial subscriptions, 24,730 of which are electronic journals.

UCF has a 149,000-square-foot Recreation and Wellness Center complete with a three-story climbing wall, an indoor track and fitness equipment. The Student Union has computer labs, study lounges, ballroom, conference rooms, movie theaters, popular eating establishments and a small shopping mall. The Health Center is a full-service health clinic with on-site professionals, X-ray capabilities, dental services, a pharmacy, medical laboratory and physical therapy services. The 10,000-seat UCF Arena and 15,000-seat on-campus football stadium were opened in 2007. Housing includes on-campus residence halls and affiliated apartments for more than 10,000 students.

UCF promotes a diverse and inclusive environment. UCF students come from 63 Florida counties, 50 states, and 141 countries. Study abroad programs allow UCF students to study and conduct research with 98 institutions in 36 countries. Students at UCF have been recognized throughout the world and include recipients of the Rhodes, Mellon and Goldwater scholarships.

In 2008-09, UCF professors received $121.7 million in research funding, topping $100 million for the fifth consecutive year. Distinctive research programs extend learning beyond the classroom. The University of Central Florida has a $100 million research budget, up from $85 million in 2007. UCF is one of the most dynamic universities in the country in one of the most popular cities in the world. Offering 214 degree programs, it is an academic and research leader in numerous fields, such as medicine, engineering, computer science, business, administration, education, the sciences including biomedical sciences, hospitality management and digital media.

Regional Campuses

http://www.regionalcampuses.ucf.edu

Online@UCF is supported by the Center for Distributed Learning. The Center’s mission is to provide support to students, faculty and staff enrolled in the many programs of distributed learning courses and programs. The Center serves as the central agent for online learning at UCF, providing leadership in distance learning policies, strategies, and practices. The Center also coordinates the university’s standards and accreditation changes resulting from web-based instruction.

Online@UCF

http://learn.ucf.edu

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

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 are courses conducted via Web-based instruction and collaboration. Some courses may require in-person or proctored examinations and/or minimal campus attendance.

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 will substitute 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 activities, projects or exams.

VIDEO STREAMING/REDUCED SEAT TIME (RV): In these courses, classroom-based content is available over the Web via streaming video and 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.

Complete listings of all fully and partially web-based classes from the class schedule are also excerpted and available on the Learning Online website at http://learn.ucf.edu. Students who plan to enroll in any course with a web component must have access to the Internet, a Web browser such as Internet Explorer or Firefox, basic web-browsing knowledge, ability to use e-mail, and basic computer skills such as word processing. For additional information, refer to the Learning Online website (http://learn.ucf.edu).

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University of Central Florida/Campuses

UCF Daytona
Assistant Vice President and Director,
Daytona Beach Campus .......................... Linda Bradley
Associate Director, Academic Support Services ........ TBA
Coordinator, Administrative Services .................. Bonnie Marsh
Director, Regional Campus Student Services .............. Diana Weidman
Assistant Director, Enrollment Services ................. Raphael Robins
Senior Admissions/Registrar Officer .................. Shené Newble-Dunn
Coordinator, Academic Advising Services I ............. Tina Davis
Coordinator, Academic Advising Services II .......... Darryl Greeley
Coordinator, Academic Advising Services III .......... Kevin Snyder
Coordinator, Academic Advising Services IV .... Angela Edwards-Johnson
Department IT Manager .......................... Joe Cassella

UCF Sanford/Lake Mary, UCF Altamonte
Associate VP and Director, UCF Sanford/Lake Mary and
Altamonte Springs .......................... David Mealer
Associate Director, Academic Support Services ........ Sean Armstrong
Administrative Assistant ......................... Debbie Copertino
Coordinator, Enrollment Services ................... Pamela Williams
Coordinator, Academic Advising Services I ............. Jackie West-Lee
Coordinator, Academic Advising Services II .......... Michelle Camden
Department IT Manager .......................... Jerry Frano

UCF Cocoa, UCF Palm Bay
Associate Vice President, Academic Affairs
and Interim Campus Director, Cocoa/Palm Bay ........ Denice Young
Director, Academic Support Services ................... Lauren Miller
Director, Regional Campus Student Services ........ Terry Exum
Assistant Director, Enrollment Services ............ Kristina Watkins
Assistant Director, Academic Support Services ........ TBA
Coordinator, Academic Advising Services I ........... Angel Edgecombe
Coordinator, Academic Advising Services II ........... Angela Jones
Coordinator, Academic Advising Services III .......... Shakira Guice
Coordinator, Academic Advising Services IV .......... John King
Coordinator, Academic Advising Services V .......... Sheryl Schagen
Department IT Manager .......................... Sue Sorenson

UCF South Lake, UCF Ocala, UCF Leesburg
Assistant Vice President, Academic Affairs .......... Cecelia Rivers
Associate Director, Academic Support Services ........ Tanya Armstrong
Director, Regional Campus Student Services .......... James C. Smith, Jr.
Assistant Director, Enrollment Services ............. Christy Pasnsin
Coordinator, Enrollment Services ................... Thomas Silarek
Coordinator, Academic Advising Services I ............ Selena Forrester
Coordinator, Academic Advising Services II .......... Robin Tinsley
Coordinator, Academic Advising Services III .......... Bethany Larson
Coordinator, Academic Advising Services IV ............ Scott Larson
Department IT Manager .......................... Mei Wong

UCF Cocoa
321-433-7521
(In partnership with Brevard Community College)

Undergraduate Degree Programs
Applied Science (B.A.S.) Office of Undergraduate Studies
Tracks: Early Childhood Education, Criminal Justice, Health Services Administration, Industrial Operations, Information Technology, Legal Studies, and Supervision and Administration
Aerospace Engineering (3rd year B.S.A.E.) College of Engineering and Computer Science

Business Administration (B.A.B.A.) College of Business Administration
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
History (B.A.) College of Arts and Humanities
Interpersonal/Organizational Communication (B.A.) College of Sciences

Interdisciplinary Studies (B.A., B.S.) Office of Interdisciplinary Studies

Legal Studies (B.A., B.S.) College of Health and Public Affairs
Mathematics Education (B.S.) College of Education
Nursing (B.S.N., R.N. to B.S.N.) College of Nursing
Political Science (B.A.) College of Sciences
Psychology (B.S.) College of Sciences
Sociology (B.A.) College of Sciences
Social Science (B.S.) College of Sciences
Social Science Education (B.S.) College of Education

Undergraduate Minors
Anthropology in Multicultural Studies
Business (For non-business majors only)
Communication Sciences and Disorders
Criminal Justice
English - Writing
Exceptional Education
Health Services Administration
History
Interpersonal Communication
Legal Studies
Organizational Communication
Math
Political Science
Psychology
Religious Studies
Social Sciences - Interdisciplinary Studies
Sociology
Women’s Studies

Graduate Degree Programs
Applied Sociology (M.A.) College of Sciences
Criminal Justice (M.S.) College of Health and Public Affairs
Educational Leadership (M.Ed.) College of Education (Cohort)
Health Sciences: Health Services Administration (M.S.) College of Health and Public Affairs
Industrial Engineering and Management Systems (M.S.) College of Engineering and Computer Science (Cohort)
Public Administration (M.P.A.) College of Health and Public Affairs
Reading Education (M.Ed.) College of Education (Cohort)

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

Undergraduate Degree Programs
Applied Science (B.A.S.) Office of Undergraduate Studies
Tracks: Early Childhood Education, Criminal Justice, Health Services Administration, Industrial Operations, Information Technology, Legal Studies, and Supervision and Administration
Criminal Justice (B.A., B.S.) College of Health and Public Affairs
Elementary Education (B.S.) College of Education
Exceptional Student Education (B.S.) College of Education
Industrial Engineering and Management Systems (B.S.) College of Engineering and Computer Science (Cohort)

Legal Studies (B.A., B.S.) College of Health and Public Affairs
Mathematics Education (B.S.) College of Education
Nursing (B.S.N., R.N. to B.S.N.) College of Nursing
Psychology (B.S.) College of Arts and Humanities
Political Science (B.A.) College of Sciences
Psychology (B.S.) College of Sciences
Social Science (B.S.) College of Sciences
Sociology (B.A.) College of Sciences
Technical Education and Industry Training (B.S.) College of Education
Undergraduate Minors
Business (For non-business majors only)
Criminal Justice
English - Writing
Health Services Administration
History
Interpersonal Communication
Legal Studies
Organizational Communication
Political Science
Psychology
Social Sciences - Interdisciplinary
Sociology

UF South Lake
352-536-2113
(In partnership with Lake Sumter Community College)

Undergraduate Degree Programs
Applied Science (B.A.S.) Office of Undergraduate Studies
Tracks: Criminal Justice, Early Childhood Education, Health Services Administration, Industrial Operations, Information Technology, and Supervision and Administration
Business Administration (B.A.) College of Business Administration
Early Childhood Education (B.S.) College of Education
Elementary Education (B.S.) College of Education
Interdisciplinary Studies (B.A.) Office of Interdisciplinary Studies
Mathematics Education (B.S.) College of Education
Psychology (B.S.) College of Sciences
Sports and Fitness (B.S.) College of Education
Social Science Education (B.S.) College of Education

Undergraduate Minors
Business (For non-business majors only)
Criminal Justice
Early Childhood Education
English - Writing
Health Services Administration
History
Legal Studies
Political Science
Psychology
Social Sciences - Interdisciplinary
Sociology

UCF South Orlando
407-856-6585
7300 Lake Ellenor Drive, Orlando, FL 32809
This location provides junior and senior level course work contributing to undergraduate degrees. Please check the schedule for course offerings.

UCF Valencia West
407-582-5500
(In partnership with Valencia Community College)

Undergraduate Degree Programs
Applied Science (B.A.S.) Office of Undergraduate Studies
Tracks: Criminal Justice, Health Services Administration, Industrial Operations, Information Technology, and Supervision and Administration
Architecture (B.D.) College of Arts and Humanities
Business Administration (B.A.) College of Business Administration
Electrical Engineering (3rd/4th year) (B.S.E.E.) College of Engineering and Computer Science
Elementary Education (B.S.) College of Education
Interdisciplinary Studies (B.A., B.S.) Office of Interdisciplinary Studies (see an advisor)
Nursing (R.N. to B.S.N.) College of Nursing
Psychology (B.S.) College of Sciences

Graduate Degree Programs
Business Administration (Cohort, Professional M.B.A. track)

Undergraduate Minors
Business (for non-business majors)
Criminal Justice
English-Writing
Health Services Administration
History
Legal Studies
Political Science
Psychology
Social Sciences - Interdisciplinary
Sociology

General Regional Campus information:
Web site: http://www.regionalcampuses.ucf.edu
Programs are offered via multiple delivery methods: web, video-streaming, face-to-face, and ITV. Delivery methods vary by location.
Bachelor of Applied Science: A degree 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 1976. 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 environment conducive to the location of 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 and planned by Research Park residents.

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 roughly $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 1980 as the focal point for a continual dialog on major economic issues, comparative economic systems, and economic decision-making in business. Chair: TBA.

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 support the work of an internationally recognized scholar in laser and optical sciences.

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: TBA.
RESOURCES & DEPARTMENTS

Support teaching and research in the fields of control and signal processing.
Marwan A. Simaan.
Florida 21st Century Chair.

Lockheed Martin Academy in Math and Science Education.
Created in 1992 to stress content enhancement and problem solving approaches in the teaching of science and mathematics.
Chair: Angelina B. Baturin.

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 Pizarro.

William Peper 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. Heintzelman 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.

Devs/Orlando Magic Sport Business Management Endowed Scholarship.
Created in 2004 to attract a nationally or internationally prominent 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 Scholarship.
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.
Chair: Glenn W. Harrison.

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 HFTC 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.

Beat M. and Jill L. Khalil Endowed Chair in Oncology Nursing.
Created in 2005 to support work with researchers and clinicians in helping to improve the lives of cancer survivors.
Chair: TBA.

Chatlos Foundation Endowed Fund.
Created in 1996 to support a professor in minority health issues, award scholarships to nursing students, purchase supplies, and maintain the equipment at Community Nursing Centers and the Nursing Skills Laboratory.
Chair: Karen Arola.

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

Howard Phillips Eminent Scholar Chair in Real Estate.
Created in 2005, as a key component of the Dr. P. Philips School of Real Estate.
Chair: Randy J. Anderson.

21st Century Scholar Chair.
Created in 2006 to strengthen and support teaching and research in the field of lasers and medicine at the College of Optics and Photonics.
Chair: TBA.

Florida 21st Century Chair.
Created in 2007 to strengthen and support teaching and research in the fields of control and signal processing in the College of Engineering and Computer Science.
Chair: Marwan A. Simaan.

Dr. Neil Euliano Chair in Italian Studies.
Created in 2005. This is the first Chair in Italian Studies in the State of Florida and is designed to support the teaching and research of an internationally recognized scholar of Italian and Italian American Culture.
Chair: Paolo Giordano.

University Ombuds Office
Ombuds Officer: Vicky Brown; 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 process. The Office provides assistance and advice regarding concerns related to the University. These services are available to every member of the University community: students, staff, faculty, and others.

Office of Undergraduate Studies
Interim Dean: Elliot Vittes; MH 218; 407-823-2373
http://www.undergrad.ucf.edu/

The Office of Undergraduate Studies supports the colleges and units in their curricular planning, collaborates with faculty curricular over-sights, and 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 Faculty Center for Teaching and Learning, the Office of Undergraduate Research, the Office of Interdisciplinary Studies, the Pre-professional Advising Office, and the McNair and Research and Mentoring Programs. The Dean serves as the final arbitrator for all undergraduate academic appeals.

Academic Services
Associate Dean: TBA; 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 academic policies and graduation requirements.

International Services Center
Director: Nataly Chanda; CMMS (Building #81); 407-823-2337
http://www.intl.ucf.edu/

The International Services Center (ISC), a unit of the Division of Graduate Studies, offers assistance and information to the University of Central Florida international community. The ISC provides leadership, advocacy and support services for current international students, scholars, and employees at the University of Central Florida, as well as assistance in adjusting to a new academic environment and culture. Furthermore, ISC has and will devote its efforts, plans and processes to ensure legal compliance with federal regulations, so international populations can maintain their status. Services provided by ISC include issuing necessary documents to facilitate visa issuance abroad for international student applicants, transfer procedures, employment authorization for students and scholars, H1B visa holders’ immigration advice by professional lawyers, and international tax assistance. The ISC is committed to providing accurate, updated and timely information on issues and needs pertinent to international students, scholars, and employees. Another important role of the Center is to enhance international awareness and cross cultural understanding through educational, cultural and social programs and activities.
UCF Public Safety and Police

Chief: Richard Beary; Building #49, Libra Drive; 407-823-5242
http://www.police.ucf.edu/

The UCF Police Department is a full-service law enforcement agency which prides itself on providing professional services to the university community through prevention, education and enforcement. The University Police officers provide police services twenty-four hours a day, seven days a week to the university community.

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. University 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 either too young or too incapacitated 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 various locations on campus to allow persons in need of assistance to contact the Police Department. All Blue Light Emergency phones dial into the Communications Center to ensure a swift response if needed.

The Patrol Division (407-823-5555) provides proactive police services to the campus community by means of foot patrols, and marked vehicle patrols. The Patrol Division additionally contains specialized patrol units such as K-9, marked motorcycle units, bicycle patrol units and all terrain vehicles to meet the unique needs of an expanding urban university.

The Investigations Division (407-823-5980) consists of five detectives, a forensic technician and a criminal analyst who conduct latent investigations for all criminal cases.

The Community Relations Division (407-823-0258) offers crime prevention seminars regarding the protection of personal property, personal safety and identity theft. The Community Relations Division manages the Safe Escort Patrol Service (SEPS) 407-823-2424, providing a safe escort for all individuals on campus.

The Victim Services Unit, located at University Towers, Ste. 450, 12201 Research Parkway, (the main office number: 407-823-2425; provides services for: 1) advocacy and practical assistance; 2) information and referrals; and 3) educational programming.


Information Technologies and Resources

Vice Provost and CIO: Joel L. Hartman, MH 338K; 407-823-6778
http://www.itr.ucf.edu

The Division of Information Technologies and Resources has University-wide responsibility for planning, implementation, and support of information technology and related information resources. Units within the Division include the Library, Computer Services & Telecommunications, Instructional Resources, and the Center for Distributed Learning. The services and resources of each unit are described in the following sections.

University Libraries

Director of University Libraries: Barry B. Baker; LIB 512; 407-823-2564
http://library.ucf.edu

Associate Director for Administrative Services: Frank R. Allen; LIB 512; 407-823-2892
Associate Director for Public Services: Meg K. Scharf; LIB 512; 407-823-2564
Assistant Director for Systems & Technology: Selma K. Jaskowski; LIB 512; 407-823-5444

University Libraries offers a variety of information resources and services. An extensive resource collection includes 1.9 million volumes, 32,000 journal subscriptions, 3.1 million microforms and 48,000 media titles. The Libraries’ rapidly growing electronic resources include 358 databases, 207,000 e-books, and 28,000 electronic journals. UCF Libraries is a partial depository for United States and Florida government publications and U.S. patents and trademarks.

The main library is open 105 hours per week. Operating hours are available on the Web site: http://library.ucf.edu or by calling 407-823-2756. Over 220 computer workstations are available for public use on all five floors of the main campus library. Forty wireless laptops can be checked out for use anywhere in the library building. Wireless technology enables patrons who have laptops with wireless cards to connect to the Libraries’ electronic resources and to the Internet from anywhere in the building. Twenty-eight group study rooms and one presentation practice room are available for students. The main library has two classrooms outfitted with 43 computer workstations for hands-on instruction in the use of electronic resources. Infusion, the Libraries’ newest learning space, offers food and beverage items, 34 desktop PCs, comfortable seating areas, closed caption television, and a browsing collection for leisure reading.

The Libraries’ web-based catalog can be accessed from any public, home or office computer or mobile internet device, offering a gateway to hundreds of electronic databases, journals and e-books, as well as the Libraries’ catalog, contact and advice in the use of resources and materials, the Reference Desk is open most library hours. Individual appointments can also be made for in-depth research consultation.

The web site http://library.ucf.edu/ask/ connects students with Ask a Librarian, where questions are submitted and answered by Instant Messaging; e-mail: telephone at 407-823-2562, or three at 866-271-7589. The Libraries supports the development of information literacy skills through the provision of InfoLit modules, http://infolit.ucf.edu/, which provide just-in-time instruction for students on topics such as citing resources and plagiarism. Faculty can include the modules in course work as well.

The Interlibrary Loan and Document Delivery Services Department (ILL/DDS) assists students in obtaining materials not owned by the UCF Libraries. Most book loans, photocopied materials, and electronically delivered items can be acquired free of charge within two weeks. Request forms are available at http://library.ucf.edu/ill. For more information, call 407-823-2383 during office hours or visit the ILL/DDS Web site.

Services are provided for students with disabilities. In collaboration with the University’s Office of Student Disability Services students may request assistance with retrieval of materials by contacting the Circulation Desk. A workstation equipped with Jaws and Zoomtext software is available, as well as a Kurzweil cataloging machine. More information is available at http://library.ucf.edu/Services/DisabilityServices.asp.

Primary source material from Special Collections and the University Archives http://library.ucf.edu/SpecialCollections/ supports the research, teaching, and service activities of the UCF community. These special materials include books, manuscripts, historic public records, microfilm, audio, and video. The Libraries’ digitization projects http://library.ucf.edu/Systems/DigitalCollections/ continue to make more of these unique materials available on the Web. UCF Libraries partners with other libraries and local institutions through Central Florida Memory, Florida Heritage, Digital Library of the Caribbean, and similar web-based projects to provide digital access to special and historic images and documents.

The Curriculum Materials Center (CMC), a unit of University Libraries, is located in the College of Education Building. The CMC provides representative K-12 curriculum materials for preview, review, analysis and circulation. 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 407-823-2791.

The Universal Orlando Foundation Library is located at the Rosen College of Hospitality Management in the heart of the tourist corridor on Universal Boulevard, and open to the entire UCF community as well as to hospitality industry professionals. The Library provides access to most of the services available through the main campus library. For additional information go to the library.ucf.edu/Rosen or call: 407-903-8100.

Regional Campus Libraries collections and services are available through partner libraries in Cocoa, Palm Bay, Daytona Beach, Clermont, Sanford/Lake Mary, Ocala, Kissimmee, Leesburg, and Metro West. The university partners with local community colleges to provide comprehensive information services. Two examples of Web sites customized for Regional Campus needs are the
Services for Distance Learners page http://library.ucf.edu/Services/DistanceServices.asp and the Regional Campus Libraries page http://library.ucf.edu/BranchCampuses/locations.asp. UCF librarians provide in-person service at partner campuses in Cocoa, Palm Bay, Daytona, Clermont, and Sanford as well as at other partnership sites by appointment.

All locations provide electronic access to library and University resources on the Web. Courier and intercampus loan services make the main library’s collections available to UCF students at all regional and branch campus sites. For more information see the web site at http://library.ucf.edu/BranchCampuses/Locations/default.asp.

Office of Instructional Resources
http://www.oir.ucf.edu

The Office of Instructional Resources (OIR) provides the UCF community with multimedia design and production, digital media, Webcasting, video streaming, video production, digital photography, graphics, and a full range of multimedia classroom support services. OIR’s Faculty Multimedia Center (CL1 202) provides multimedia production and training resources for faculty members. OIR’s interactive video classroom (CL1 320) is used for videoconferencing and streaming video course origination. OIR supports more than 490 advanced multimedia classrooms throughout UCF. Approximately 95% of all UCF classrooms are equipped with multimedia presentation resources.

OIR also provides videoconferencing services. All Regional Campus sites, the Center for Distributed Learning in the Partnership II building, the Rosen College campus, and several locations on the Orlando campus have videoconference rooms. Contact OIR for further details at http://www.oir.ucf.edu/ or 407-823-2571.

Intercollegiate Athletics
http://www.ucfathletics.com

Programs in Intercollegiate Athletics are coordinated by coaches and staff of the UCF Athletics Department under the general supervision of the Director of Athletics, who reports to the president. The University of Central Florida is a member of the National Collegiate Athletic Association (NCAA). Division I, competes in all sports (except women’s rowing) in Conference USA. Intercollegiate athletics contests are governed by the rules of play published by NCAA and all established eligibility standards are observed. UCF’s current intercollegiate sports for men include baseball, basketball, golf, football, soccer, tennis. Women’s sports include basketball, cross-country, golf, rowing, soccer, softball, outdoor and indoor track and field, tennis, and volleyball.

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 Fall 2002 full-time cohort is 63 percent. The retention rate for Summer-Fall full-time 2007 students is 85.5 percent. The information is public and available for review on the Institutional Research Web site.

UCF Arena at Knights Plaza
http://www.ucfarena.com

The UCF Arena is the largest live entertainment and sports facility in East Orlando. With seating for more than 10,000 fans, it is home to UCF athletic events, university graduation ceremonies and a diverse lineup of world famous entertainers, beloved family shows and festivities appealing to all ages.

Nestled on the north side of the UCF Arena. The Venue at UCF Arena is a more intimate space showcasing established and up-and-coming acts, special events and selected athletic activities including volleyball games and basketball practices.

Knights Plaza, home of the UCF Arena and The Venue, features an exciting mix of services, shops and dining. Come early and stay late. For event, retail or rental information, visit http://www.ucfarena.com or http://www.knightsplaza.com.

Campus Bookstores
UCF’s main campus is home to two Barnes & Noble 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 offers a complete line of UCF clothing, logo gift items, snacks, convenience items and a full service café that proudly brews Starbucks coffee. For store hours and information, visit http://www.ucf.bncollege.com or call 407-823-2665.

Knights Plaza Location
The Barnes & Noble @ UCF, located next to the UCF Arena in Knights Plaza, is the official headquarters for all of the graduation supplies. It offers a complete line of UCF clothing, logo gift items, general reading books, snacks, 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.

Transportation Services
Through the efforts of the Department of Parking and Transportation Services, UCF constituency has varied transportation options to, from, and around the campus. The UCF Shuttle provides transit needs for students residing in 18 off-campus apartment communities, as well as numerous locations in Central Florida Research Park. Normal operating hours range from 6:30 a.m. to 10:30 p.m.

UCF also has an intra-campus shuttle service on the Black and Gold Line. Two routes serve up to 13 stops on campus. They 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 nine round-trip runs between 6:45 a.m. and 9:00 p.m., Monday through Thursday, during the Fall and Spring semesters, and seven round-trip runs between 7:00 a.m. and 7:45 p.m. during the summer semester. Our latest addition is an inter-campus transportation service between UCF main campus and the College of Medicine. It makes four round trips between 7:45 a.m. and 6:15 p.m. Monday through Friday.

These services are free 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, three LYNX bus routes, Links 13, 30, and 47, serve the UCF campus from Oviedo, Downtown Orlando, Valencia Community 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 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 Web site, http://golynx.com.

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

The Orlando Shakespeare Theater in Partnership with UCF, is Central Florida’s professional classical theater. An AEA union company, the theater presents a signature series of Shakespeare and other plays, a theater for young audiences series, The Harriet Lake Festival of New Plays, and innovative educational programming that includes summer camps, a summer high school performance group, and the K-12 “Shakespeare Alive” and “Shakesperience” programs. Performances are presented in Margeson, Goldman and Mandell Theaters at the Lowndes Shakespeare Center in Loch Haven Park.

The theater has achieved a position of national recognition, attracting audiences from across the country. The theater has been featured in national publications such as Southern Living, Theater Week, Backstage, American Theater, Stage Directions and Southern Theater. 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. $10 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. For internship information and other questions, contact Artistic Director Jim Helsinger.
UCF Alumni Association

Executive Director: Tom Messina; FAIRWINDS Alumni Center; 407-UCF-ALUM (823-2586) or 800-330-ALUM (330-2586)
http://www.ucfalumni.com

The University of Central Florida Alumni Association creates alumni awareness and provides resources for members to stay connected to the university and each other through dozens of active chapters and clubs, fun activities and events, and enlightening communication pieces. While alumni are the core member group, membership in the UCF Alumni Association is open to all alumni, friends, students and parents.

Students can join the 4EVER KNIGHTS (4EK) Student Alumni Association, one of the largest on-campus student organizations. 4EK offers its members a wide variety of fun events and valuable benefits including invitations to free ice cream and pizza socials, Movie Knights, Oozefest, Homecoming, 15 percent off logo merchandise in the campus bookstores, restaurant discounts, free scantrons, leadership and scholarship opportunities and much more.

Parents of UCF students can stay connected through parent membership in the alumni association. Benefits include receiving the Pegasus magazine, the Parent Connection newsletter, invitations to family-friendly events such as Family Weekend and indoor tailgate parties, money-saving discounts at the campus bookstores and local hotels and more.

To join the UCF Alumni Association as an alum, student or parent member, or for more information, stop by the FAIRWINDS Alumni Center (across from the UCF Arena); call 407-UCF-ALUM (823-2586); toll-free 800-330-ALUM (330-2586); connect anytime at http://www.ucfalumni.com; or fan us at http://www.facebook.com/ucfalumni.

UCF Foundation, Incorporated

The UCF Foundation, Incorporated is a non-profit, tax-exempt corporation directed by a 44 member community-based Board of Directors that encourages, solicits, receives, and administers private gifts and bequests of property and funds for scientific, educational, and charitable purposes. All gifts to UCF are received and processed through the UCF Foundation for support of the University. Call 407-882-1220 for additional information.
Office of the Vice President for Strategy, Marketing, Communications, and Admissions (SMCA)

Vice President for Strategy, Marketing, Communications, and Admissions: Alfred Harms (Vice Admiral, U.S. Navy [Ret]); Orlando Tech Center, 12443 Research Parkway, Suite 301, Orlando 32826; 407-823-2232
http://www.smca.ucf.edu

Purpose Statement
Create, coordinate, and deliver outstanding strategic planning, program assessment, analytical planning support, communications, marketing, and quality enrollment programs that add value to the university and enhance its role in the central Florida city-state.

Overview
The division is responsible for overall university strategic planning, organizational assessment, operational effectiveness improvements, and detailed planning support for myriad aspects of the university’s mission.

The division is also responsible for communicating the life and success of the university through an integrated communications program, coordination of media relations, employment of creative broadcast services, and the attraction and enrollment of diverse, academically talented undergraduate students.

As one of the nation’s largest public universities, UCF has a wonderful history of growth, diversity, service, and achievement in academics, campus life, research, economic development, community service, and partnerships with many constituencies including the UCF academic community, current and prospective students, corporate partners, alumni, donors, community members, and elected officials.

Institutional Research
Director and University Data Administrator: M. Paige Borden; Research Pavilion, 12424 Research Parkway, Suite 215, Orlando 32826; 407-823-5061
http://www.iroffice.ucf.edu

Institutional Research (IR) provides information of the highest quality, which is both timely and easily accessible, to facilitate and enhance decision-making, strategic planning, and assessment at UCF. The scope of the unit’s responsibility embodies the university, state and federal agencies, and the general public.

IR provides electronic and web-based dissemination of official information to the university community (including the Board of Trustees, the various colleges, departments and other academic and administrative units), external agencies, and the Florida Board of Governors (BOG). IR generates, supervises and develops all official university data reports, and state-required BOG reports, and end-user data solutions.

Operational Excellence and Assessment Support
Director: Patrice Laney; Research Pavilion, 12424 Research Parkway, Suite 225, Orlando 32826; 407-882-0275
http://www.o eas.ucf.edu

The mission of Operational Excellence and Assessment Support (OEAS) is to support efforts to improve the effectiveness and efficiency of university operations and the quality of student learning outcomes through assessment.

OEAS accomplishes this by providing support to all administrative units and academic programs through integrated processes that include continuous quality improvement, survey development, data collection, analysis, and guidance in assessment.

News and Information
Assistant Vice President: Grant J. Heston; Orlando Tech Center, 12443 Research Parkway, Suite 301, Orlando 32826; 407-823-5988

The Office of News & Information is the university’s primary communications department, focusing on public and media relations, strategic internal communications, issues management and emergency communications and preparedness. Communications are strategic, multi-faceted and adaptable to internal and external audiences. Well-trained staff members are “providers of choice” and consistently offer high-quality, innovative and timely services to promote and enhance UCF’s reputation.

Regional Campuses Transfer Admission, Enrollment Services and Marketing
Assistant Vice President: Angé Peterson; University Towers, 12201 Research Parkway, Orlando 32826; 407-823-4547
http://regionalcampuses.ucf.edu

Regional Campuses works in partnership with the Division of Strategy, Marketing, Communications, and Admissions to provide services to regional campus students. The office centralizes multiple functions with multiple sites to accommodate the access, convenience and value of attending the UCF Regional Campuses for degree completion.

Student Financial Assistance
Executive Director: Mary H. McKinney, MH 120; 407-823-2827
http://finaid.ucf.edu

The mission of Student Financial Assistance is to provide UCF students and the University community comprehensive quality service by offering options for financial assistance and efficient delivery of aid. Financial aid counseling is available by appointment. Due to confidentiality, counseling by phone and e-mail is limited. Student Financial Assistance, a unit of Strategy, Marketing, Communications and Admissions, is dedicated to the attainment of UCF’s mission and goals.
Student Outreach Programs

**Acting Director:** Rasha Daniel; Orlando Tech Center, 12479 Research Parkway, Bldg. 600, Suite 215, Orlando 32826; 407-823-5580
http://www.reachout.ucf.edu

The primary mission of Student Outreach Programs is to attract, motivate, and prepare underrepresented students from the local area to complete a college education. These students are provided with essential information, educational materials, and collegial experiences to enhance their preparation for post-secondary study, through the efforts of two programs.

1. The College Reachout Program (CROP) is supported by the Florida Department of Education and provides campus and school-based programs to strengthen the skills and likelihood of college success of participating students in grades 6-12.

2. The UCF Achievers Program, formerly the McKnight Center of Excellence, is supported by the Florida Education Fund and offers academic support and direct access to community-based programs for participating students in grades 6-12.

Television Services – UCF TV

**Assistant Vice President:** Grant J. Heston; Orlando Tech Center, 12443 Research Parkway, Suite 301, Orlando 32826; 407-823-5988
http://www.ucf.tv

UCF TV showcases the university to the world through innovative original content and strategic programming/production partnerships. UCF TV expands and enhances the UCF brand and reputation through strategic storytelling projects that are broadcast on Bright House channels 1, 300 and 1169 and online via UCF’s Web sites and other sites like YouTube, Facebook, etc. UCF TV also provides high-quality video production services to internal and external clients.

Undergraduate Admissions

**Associate Vice President:** Gordon D. Chavis, Jr.; Progress Energy University Welcome Center; 407-823-3000; E-mail: admission@mail.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, non-degree, and non-Florida state university 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 University of Central Florida.

Office hours are: Monday/Thursday 9 a.m. to 7 p.m., Tuesday/Wednesday/Friday 9 a.m. to 5 p.m.

University Analysis and Planning Support

**Director:** Sandra Archer; Research Pavilion, 12424 Research Parkway, Suite 215, Orlando 32826; 407-823-0285
http://www.uaps.ucf.edu

University Analysis and Planning Support (UAPS) enhances the management capability within the University of Central Florida (UCF) by providing models and information to support and empower academic units, administrative units, and external stakeholders to utilize analysis and research results as the cornerstone for informed decision-making. UAPS develops and conducts a wide range of institutional and ad hoc studies. Specific areas of support include strategic planning, management analysis and planning, enrollment planning, and exploratory data analysis.

University Marketing

**Associate Vice President:** Terry K. Helms; Orlando Tech Center, 12443 Research Parkway, Suite 301, Orlando 32826; 407-823-5977
http://universitymarketing.ucf.edu

UCF Marketing helps UCF clients reach their goals. UCF Marketing works alongside colleges and university-wide units to build important, brand-building marketing collateral. UCF Marketing also increases the university’s visibility and brand by distributing key UCF messages across multiple platforms to ensure the UCF story is told in a professional, engaging and relevant way to targeted audiences.
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 matriculation, to successful progression, graduation, and employment in a global workforce. This is accomplished by providing opportunities for enriched development, leadership growth, experiential 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 City-state and the global community.

The division is comprised of the following areas:

Academic Services for Student-Athletes (ASSA)
Director: Mark Gumble; WDSC 104; 407-823-5896
http://www.asa.sdes.ucf.edu

The Office of Academic Services for Student-Athletes, which is housed within the Division of Student Development and Enrollment Services works in collaboration with the Athletics Department to assist student-athletes in their efforts to establish and achieve their personal, academic, NCAA Division I academic-athletic eligibility, and career planning goals. 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; and,
- Providing student-athletes with computer access and services.

Activity and Service Fee Business Office
Director: Joseph Sciarrino; SU 215; 407-823-5548
http://www.asf.ucf.edu

The Activity & Service Fee Business Office services the accounting, personnel, and/or purchasing needs of Activity & Service Fee funded agencies and provides a variety of services to UCF students. The Activity & Service Fee Business Office is also a support office for registered student organizations and UCF students that are allocated Activity & Service Fee funds by the Student Government Association. We provide an online financial training workshop for student organization officers and their faculty/staff advisors and provide a variety of equipment for check-out to any student free of charge.

In addition, our office manages the operation of the Student Government Computer Lab located on the second floor of the Student Union and the Student Government Express Print Lab located on the first floor of the Student Union. The Student Government Computer Lab has 42 computer stations available and the Student Government Express Print Lab has 14 computer stations available and provides limited free print to student enrolled students. Our office also manages the Student Government Ticket Center which sells a variety of specialty-priced tickets to local theme parks, movie theaters and attractions. The Student Government Ticket Center is also an authorized TicketMaster Retail Outlet.

Alcohol and Other Drug Prevention and Intervention Services
Director: Tom Hall; COUN; 407-823-0879
http://www.aod.sdes.ucf.edu

The Alcohol and Other Drug (AOD) Prevention and Intervention Services Office offers a wide variety of services, including education, prevention, alcohol and other drug assessment/evaluation, short term intervention, and referrals for treatment. The AOD Office partners with other campus and community programs to create a healthy environment for students to study, work and play. Programs, activities and support services are provided to students to encourage low risk, responsible choices; ones that will optimize their personal and academic success and enhance their time at UCF.

Additionally, this office serves as an umbrella for the Real Project Peer Advocacy Program.

HLP 2701, a three hour elective credit course, provides information on contemporary college health issues such as alcohol and other drugs, sexual assault, HIV/AIDS, sexually transmitted infections and diversity and drug awareness. Students explore ways to assist their peers with life skills development when dealing with these issues. Students then have an opportunity to utilize these skills and knowledge to present valuable information and act as a resource to other peers on campus.

AOD Policy Information: 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, possession or misuse of a controlled substance, prescription medication or the unlawful possession and use of alcohol is harmful and prohibited in and on UCF owned or 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.

The sale, service, possession and consumption of alcoholic beverages shall comply 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 addition, the university has formulated the following policies governing the sale, service, possession and consumption of alcoholic beverages on campus. For more information regarding Alcohol/Drug Policy, visit http://www.aod.sdes.ucf.edu/DFSCAT-09-07.html#applicable.

You are encouraged to read the full policy at http://policies.ucf.edu; 3-115 Alcoholic Beverages on Campus.

Campus Faiths & Ministries
Director: Brad Crawford; SU 305; 407-823-5336
http://www.ucfministries.com

Campus Faiths & Ministries (CFM) is a network of faith-based organizations dedicated to meeting the personal, religious and social needs of university students, faculty and staff. Each organization seeks to enrich lives by providing opportunities for growth through fellowship, educational programs, worship services, recreation, entertainment and the development of one’s faith. Each adheres to the principles of its own tradition, but all accept and support the work of other members of the campus network.

Career Services
Director: Lynn Hansen; FC 185; 407-823-2361
http://www.career.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 specialists. 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, Job Postings and Resume Referrals)
- Graduate School Information
These programs and services are available through walk-in assistance, scheduled appointments, workshops, and major events.

Counseling Center
Director: Stacey Pearson; COUN: 407-823-2811
http://www.counseling.sdes.ucf.edu

The Counseling Center serves enrolled UCF students, who seek assistance with mental-health related concerns, and the broader campus community by offering a wide variety of programs in direct support of the university mission. The Center is composed of a 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 may explore and resolve issues of concern. The Center also provides advanced training and supervision for graduate students in counseling. The Center is open Monday through Friday 8-5 and Tuesday 9-7.

- Short-Term Individual Counseling
- Group Counseling and Workshops
- Crisis Intervention and Walk-Ins
- Couples Counseling
- Outreach Presentations and Workshops
- Consultation to Faculty and Staff

For additional information, visit the Counseling Center Web site at http://www.counseling.sdes.ucf.edu.

Creative School for Children
Director: Rhonda Moore; CSC: 407-823-2726
http://www.csc.sdes.ucf.edu

The Creative School for Children is the Educational Research Center for Child Development and provides an early experience educational program for children ages 2-5 years old. The school is accredited by the National Association for the Education of Young Children (NAEYC). The daily program is planned and conducted by degreed teachers. The program provides a wide variety of experiences in art, music, language, motor skills, science, math, social studies, perceptual development, socialization, and self-discovery. Planned and spontaneous field trips and special family programs are part of the yearly schedule. Experiences in observation and training in academic areas also are available to university students. Opportunities for educational research are available to university faculty, undergraduate and graduate students. The school enrollment of university students, employees of the university, and community members. Operating hours are 7:30 a.m. to 5:30 p.m., Monday through Friday.

First Year Advising and Exploration (FYAE)
Director: Stephen O’Connell; PH 116; 407-823-3789
http://firstyear.sdes.ucf.edu

UCF recognizes that starting in a new learning environment can present many challenging life transitions for incoming freshmen students. First Year Advising and Exploration has been established to prepare and advise first-time-in-college students (not assigned to other first year 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 retention at UCF. Students who have not selected a major (Undeclared students) are provided focused advising support services through the Academic 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 e-mail and phone communication. The office focuses its efforts on providing proactive academic advising support, establishing early and regular communication, and providing outreach advising activities for first-year students residing in both on- and selected off-campus facilities. FYAE also offers academic advising at their satellite office located in the Pegasus Landing affiliated housing area. FYAE advisors have been designated for first-year students in the EXCEL, Freshman Explorations living learning community, STEP, 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 First Year Advising and Exploration.

Academic Exploration Program (AEP)
PH 116; 407-823-3789
http://aep.sdes.ucf.edu

The Academic Exploration Program has been developed to provide structured experiences to assist students who have not declared 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. AEP has several components including coordinated academic advising services from the first year advising office, major and career exploration programming activities, and online assessments. The program 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
Executive Director: Joe Ritchie; PH 218; 407-823-5105
http://www.fye.sdes.ucf.edu

The First Year Experience Office (combining orientation with extended first year advising programs in conjunction with the Strategies for Success course) assists entering freshmen and transfer students with their transition to the University of Central Florida by providing information about student services, campus life, academic support, academic advising, and registration. Every freshman and transfer student is required to attend an orientation prior to registering for classes. Students register for the program by visiting the First Year web site at http://www.fye.sdes.ucf.edu. In addition, LINK assists FTIC students in their transition by creating, coordinating and promoting campus-wide co-curricular educational programs and activities. Students also have the opportunity to serve as Orientation Team (O-Team) leaders and peer mentors for the Strategies for Success course.

LINK First Year Experience Program
Coordinator, First Year Experience: Emily Jensen; PH 218; 407-823-5105
http://www.link.ucf.edu

Learning and Interacting with New Knights (LINK), a First Year Experience program, is designed to assist first time in college students with their transition to the University of Central Florida (UCF) by creating, coordinating and promoting campus-wide, co-curricular educational programming and activities. The main goals of the LINK Program are to get freshmen out having fun, meeting people, and getting connected to UCF. Through LINK, new Knights will be exposed to programs and events that will enhance their first year experience and overall success and satisfaction at UCF.

The LINK Program works with various UCF departments and programs to identify educational programs that support opportunities for new Knights to transition to and become better connected to UCF during their first year on campus. These co-curricular programs complement the in-class academic experience and help first-year students develop the skills necessary to be successful in college. The LINK Program packages these educational programs under the LINK name and promotes them to first-year students to encourage their active participation.

As an incentive to encourage first-year students to participate in programs, freshmen receive points for each LINK program in which they participate. These points are known as “LINK Loot.” Students receive LINK Loot points by swiping their UCF ID card at the beginning or end of each LINK program. First year students can use their LINK Loot points to bid on prizes at the LINK Auction or Raffle, held at the end of each semester. These points do not roll over between semesters in order to give students a fresh opportunity to get an oriented at the beginning of each new semester. In the past, prizes have included a $1,300 tuition scholarship, laptop computer, Nintendo Wii, television, iPods, bikes, theme park tickets and much more.

Last Fall semester, over 200 programs were LINK-connected, giving freshmen numerous opportunities to earn points and get connected to UCF. In the six years since its inception, LINK has awarded $14,300 inLINK scholarships and over $30,000 in other prizes. No need to sign up for LINK—as long as you are a First Time In College student, you can start earning points NOW! But don’t wait; LINK is only for first year students and ends in April of Spring semester!

Fraternity and Sorority Life
Director: Belinda Boston; SU 154; 407-823-2072
(Greek Council Office, SU 154, 407-823-2072)
http://www.greeklife.sdes.ucf.edu

The Fraternity and Sorority Life office is committed to providing the best possible fraternity and sorority experience for students and the university community. This office fosters and promotes the development of national fraternities and sororities by providing advising, services, and programs to ensure all members engage in high-quality undergraduate fraternal experiences that reinforce the organization’s founding principles: scholarship, community service, campus involve-
ment, and sisterhood/brotherhood. It encompasses small group living and more importantly, developmental programming for individuals, chapters, chapter alumni boards, house corporation officers, and college fraternities and sororities on UCF’s campus with more than 3,000 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. The Interfraternity Council and Panhellenic Council sponsor “Recruitment” or “Rush,” which actually consists of visiting the various chapters to meet current members and to ask questions about their organizations. Diversified Greek Council (DGC) sponsors “Meet the Greeks” and the National Pan-Hellenic Council (NPHC) sponsors a Greek Expo, which allow students to become familiar with those groups comprising their governing body. Whether an individual chooses to join a fraternity or sorority, Recruitment, Greek Expo, and Meet the Greeks are excellent ways to meet people and become acquainted with involvement opportunities at the University of Central Florida.

Health Services
Director: J. Robert Wirag; HC 309; 407-823-2094

Every health fee paying student is entitled to the benefits provided through UCF Health Services (HS), which are outlined in printed material available at the Health Center or on its Web site at http://www.hs.ucf.edu.

UCF Health Services is accredited by The Accreditation Association for Ambulatory Health Care. The mission of the University of Central Florida Health Services is to provide quality, outpatient clinical care and health promotion services that enhance, preserve and maintain the optimal health of students by health care workers who welcome diversity and are committed to excellent, affordable, confidential and compassionate services that meet accreditation standards and enhance students’ learning experience in matters of personal health and well being.

Most office consultations and programs are provided without charge. However, Dental Center services, laboratory tests, x-rays, medications, allergy maintenance (co-pay), flu shots, immunizations and some procedures and supplies require additional but significantly reduced payments, which may be made with cash, credit card, personal check, or charged to the student’s account.

The UCF Health Center is staffed by Board-certified physicians, advanced registered nurse practitioners, physician assistants, registered nurses, licensed practical nurses, certified medical assistants and a full complement of other medical support personnel who provide laboratory and radiology services. The state-of-the-art 50,000 square-foot Health Services building is centrally located on the UCF Orlando campus. Students at the Rosen College of Hospitality Management have the option of health care services at the Rosen Medical Clinic close to campus or at UCF HS on the Orlando campus. Medical conditions that require specialty care services are referred to specialists in the greater Orlando area according to the patient’s preference.

The UCF HS Insurance Office staff will assist students file claims with their medical insurance company. Currently, UCF HS physicians are contract-in-network providers with BlueCross BlueShield PPO and Blue Options, United Healthcare, and AvMed health insurance plans. This offers the UCF staff and students access to the UCF HS, providers for their primary care needs and realize cost savings through covered services. We will bill any insurance company as a courtesy to our patients as they may be eligible for out-of-network benefits.

An optional health and accident insurance plan for students by Aetna Student Health Insurance (http://www.aetnastudenthealth.com) that is endorsed by UCF may be purchased by response to periodic mailers or by contacting the UCF HS Insurance Office (407-823-6426). This voluntary plan is separate from the health fee and provides benefits for services that are beyond the scope of the campus Health Center, such as mental referrals and non-emergent care (subject to co-pays and deductibles). Charges incurred outside the Health Center are the responsibility of the student, including transport by ambulance.

The Dental Center is the newest addition to the broad range of health services available to students and is staffed with a dentist, dental hygienists, dental assistants, financial counselor and clinic administrator. This state-of-the-art facility is located in the on-campus Health Center and provides preventive, restorative and cosmetic dental services by appointment at 407-823-1635. The Dental Center accepts Dental Insurance PPO plans and the financial counselor can assist with payment for various treatment plan options.

The UCF Pharmacy and Knight Aide are state-of-the-art facilities. The UCF Pharmacy provides convenient, competitive prices for those students who do not have coverage.

The UCF Pharmacy is located on the first floor of the Health Center. Knight Aide, our satellite pharmacy which features an expanded convenience store, is located in Knight’s Plaza - near the UCF Arena and Towers residence halls.

In addition to access for clinical care services, the health fee entitles UCF students to use the Wellness Center located on the first floor of the Recreation and Wellness Center. The Wellness Center recognizes the importance of lifestyle in health and disease prevention by offering a wide range of health promotion services provided by professional health educators and peer health educators including anonymous and needle-free HIV testing, biofeedback relaxation training, nutrition workshops, massage therapy, weight management, stress management, stress prevention, comprehensive health assessment, and Motivation Program fitness and lifestyle evaluation. In-house and outreach workshops are available to students on a regular basis and program topics include stress management and relaxation strategies, weight management, body image and sexual health issues. These can be scheduled in residence halls, club meetings, classes and at the Wellness Center and are available with LINK Loot.

Opportunities for student development include: Student Health Advisory Committee (SHAC), Student Wellness Advocate Team (SWAT), Graduate Assistantships, or becoming a Wellness Peer Educator or Health Advocate.

When the Health Center is closed, students may obtain information and help from the Health Services telephone message at 407-823-2701, its website, FreeMD (the web-based interactive system to help make decisions about health needs), or the 24 hour Nurse Line at 1-800-556-1555. If the situation is urgent, students should call 911 or access one of the hospitals or walk-in clinics identified via http://www.hs.ucf.edu. (charges for services are the student’s responsibility)

Wellness Center
Assistant Director for Health Promotion: Peter Mastroianni; RWC 111; 407-823-5841

The Wellness Center, a division of UCF Health Services, is located on the first floor of the Recreation and Wellness Center. The professional staff and certified peer educators encourage students to make low-risk and responsible decisions about college health and wellness issues through one-on-one and peer group interactive programs and campus awareness events.

Program topics include good nutrition on a student budget, relaxation strategies for busy students, weight management, body image and sexuality issues. These can be scheduled in residence halls, club meetings, classes and at the Wellness Center.

Free and low-cost services include the Comprehensive Health Assessment and Motivation Program (CHAMP), licensed massage therapy, biofeedback relaxation therapy, nutrition workshops and drop-in appointments with a registered dietitian/nutritionist, confidential and anonymous HIV testing, and body fat and blood pressure checks.

Most wellness programs offer LINK Loot and Healthy Knight points.

Housing and Residence Life
Director: Christi Hartzler; HAB; 407-823-4663

The Department of Housing and Residence Life offers regularly enrolled single students paying registration fees for a minimum of nine credit hours housing on the Orlando main campus and the Rosen College of Hospitality Management campus. Orlando main campus
housing is reserved for mostly incoming first-year students. A limited amount of space is available for upper-class students. Married and family student housing is not available. All classes of students are all welcome at the Rosen College of Hospitality Management Student Apartments.

Students can apply for housing after being admitted to the university. The online application process is available through myUCF. There is not enough on-campus housing for all first-year students who apply. Therefore, those first-year students desiring to live on-campus should apply as soon as possible. Application periods include Fall/Spring academic year agreements with a separate application for Summer or 11.5 month annual agreement.

Housing choices range from suite style residence halls to single bed-rooms in apartments. Most first-year students who apply for academic year contracts will receive assignments in double room suite style residence halls. Single bedrooms in apartments are available in the Towers at Knights Plaza located on the Orlando main campus or the Rosen College of Hospitality Management Student Apartments.

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 Program**

**Associate Director:** Stacey Malaret; SU 207; 407-823-2223 http://www.lead.sdes.ucf.edu

The LEAD Scholars Program is an intense and comprehensive two-year student development program for competitively selected, academically talented first year college students with experience and leadership, academic excellence, and community service. LEAD Scholars join in a unique partnership with faculty, staff, alumni and community leaders as a way to make an immediate connection with academic and community life.

The primary goal of the LEAD Scholars Program is to prepare students to be effective leaders in personal, professional, and civic communities. This goal is achieved through three venues: academic excellence, leadership, and community service.

Students are integrated with faculty in two-credit hour leadership courses that provide the primary means for facilitating the focus for study, advisement and educational activities as it relates to leadership, academic excellence and community service. First Time In College students from any major are eligible to apply to the LEAD Scholars Program.

The LEAD Scholars Program enables a selected number of students to develop professionally through a special mentoring relationship involving research and/or project development in their area of interest both on campus and in the community. Students are provided opportunities to work on project teams and special programs to develop their leadership skills. Specially structured community service projects are provided for students to enhance their community service development.

Students are selected for this two year program, prior to their freshman year, through a competitive process based on academic record, extracurricular and community activities, school recommendation, expressed interest in leadership, academic excellence, and community service. The LEAD Scholars Program serves as a bridge for participation in leadership opportunities as upper division students and in future community leadership roles.

**Multicultural Academic and Support Services (MASS)**

**Director:** Wayne Jackson; PH 102; 407-823-2716 http://www.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 six-week summer program, Seizing Opportunities for Achievement and Retention (SOAR); coordinates the Brother to Brother mentoring program; and designs and coordinates cultural and social activities to assist students in realizing their academic, career and personal goals. 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.

**Off-Campus Student Services and Student Neighborhood Relations (OCSS-SNR)**

**Assistant Vice President and Director:** Jimmy Watson; HAB 101; 407-823-6505 http://www.housing.ucf.edu/offcampus/

Off-Campus Student Services and Student Neighborhood Relations assist students in their search for off-campus housing accommodations. The OCSS-SNR provides listings of off-campus apartments and/or resources for students needing to find roommates, storage, sublease, transportation, and furniture rental information.

OCSS-SNR also provides UCF students who live off campus with information regarding a variety of on-campus programs and services. OCSS-SNR fosters a supportive environment for off-campus students by providing an advocacy for resolving problems, "on the spot" or through campus referrals, and exploring other available resources for students. Students are encouraged to utilize the services offered by the Off-Campus Student Services Office, and to become acquainted with the many benefits the campus has to offer.

The Student Neighborhood Relations program is designed to create a positive relationship between UCF Students living in surrounding neighborhoods and the permanent community residents.

**Office of Student Involvement**

**Director:** Kerry Welch; SU 208; 407-823-6471 http://www.GetInvolvedUCF.com

The mission of the Office of Student Involvement (OSI) is to provide quality programs, services, and leadership opportunities that enrich students’ academic endeavors. Students and staff collaborate to explore various paths that encourage personal growth, promote civic responsibility, embrace differences, and connect students to the campus and the community. In OSI, the journey is the destination.

Toward this end, the Office of Student Involvement staff members oversee the registration and management of over 400 registered student organizations (RSO’s), as well as the advisement and coordination of the following student groups: Campus Activities Board (CAB), Fraternity and Sorority Life, Homecoming, Knightcast, Knights of the RoundTable (KoRT), Late Knights, Multicultural Student Center (MSC), Student Government Association (SGA), and Volunteer UCF (VUCF).

**Recreation and Wellness Center**

**Director:** James Wilkening; RWC; 407-823-2408 http://www.rec.ucf.edu

The Recreation and Wellness Center (RWC) supports and strengthens the mission of the University of Central Florida. The mission of the department is to foster healthy lifestyle choices and wellness through efficient services, comprehensive programs and high-quality facilities. The Recreation and Wellness Center 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.

RWC is comprised of six different programs: Aquatics, Fitness, Intramural Sports, Outdoor Adventure, Athletic Training and Sport Clubs. The Recreation and Wellness Center and the programs it offers is open to all students with a valid UCF ID. Memberships are available for non-students.

**RWC Indoor Facilities:**

- Four indoor multipurpose courts
- 1/8 mile indoor track
- 12,000 sq. ft. weight floor
- 3,000 sq. ft. cardio floor
- 41 ft. Climbing Tower
- Group Exercise studio
- Spinning studio

**RWC Outdoor Facilities:**

- 181,000 gallon leisure pool ranging from zero to five ft. deep
- Four sand volleyball courts
- Three basketball courts
- Nine tennis courts

**RWC Park:**

- Six lighted artificial turf fields
- Softball/baseball field
- Four multipurpose grass fields

**Challenge Course:**

- High Elements; 10 total; on two levels between 25-45 ft.
- Low Elements; 11 total
Resources & Departments
Division of Student Development and Enrollment Services

Aquatics
The Aquatics program is for those participants who enjoy swimming, aqua aerobics, or simply relaxing in the pool.

Fitness
The Fitness program promotes health and wellness in many ways. Group exercise classes including Yoga, Pilates, and Spinning, traditional aerobic and resistance classes and assist participants in improving their cardio respiratory fitness while also building strength and endurance. Personal Training and Fitness Assessment services are available to assist in evaluating fitness levels and providing guidance to reach or maintain fitness and wellness goals. The Assisted Workout Program benefits those who need assistance and guidance with their workout. Graduate students working towards a degree in physical therapy have teamed up with the Recreation and Wellness Center to provide this opportunity to students with disabilities.

Intramural Sports
The Intramural Sports program offers the opportunity to participate in more than fifty action-filled team, dual, and individual sports, including perennial favorites flag football, basketball, soccer, and floor hockey. Several competition divisions are offered to accommodate various skill levels. A unique aspect of the UCF program is referee development, in which students can be trained to officiate sports, earn money on campus, and have an opportunity to work in the Orlando community.

Outdoor Adventure
The Outdoor Adventure program is the university’s resource for adventure programming. Outdoor Adventure provides guided backpacking, sea kayaking, canoeing, and cycling trips that range from weekend trips around Florida and the southeast to week-long adventures in the mid-west and the east coast. The challenge course is designed to provide exciting, experiential opportunities that focus on leadership, communication, self/group awareness and interpersonal skills. The climbing wall, located in the RWC, allows participants to experience the thrill of being indoors. Lake Claire Adventure Area located just north of Greek Row is available for students to reserve for special events or enjoy the beachfront pier. Equipment is available with a valid UCF I.D. To make reservations for the Challenge Course and Lake Claire please visit our Web site at http://www.rec.ucf.edu.

Athletic Training
The Athletic Training program is geared towards the prevention, evaluation, treatment, management and rehabilitation of athletic related injuries and illnesses by an AMA (American Medical Association) certified health care professional. The RWC offers free athletic training services to UCF students. Athletic Training hours vary, please visit our website for updated information at http://www.rec.ucf.edu.

Sport Clubs
The Sport Clubs program is an agency of the UCF Student Government Association (SGA) and is advised by the Sport Club Staff at the UCF Recreation & Wellness Center (RWC). Each sport club is a Registered Student Organization (RSO) with the Office of Student Involvement (OSI). Sport Clubs exist to promote and develop interest in a particular sport. Interests may be competitive, recreational, instructional or any combination of the three. Participation in Sport Clubs is strictly voluntary. As RSO’s, clubs are developed by students under the supervision of the Recreation & Wellness Center. The Sport Club staff of the RWC believes that involvement in the Sport Club Program enhances development, leadership, and the overall college experience for students by supplementing skills learned in the educational realm. There are currently 37 sport clubs including: badminton, baseball, bowling, Brazilian ju-jitsu, butokukan, men’s crew, women’s crew, cuong nhu, cycling, fencing, ice hockey, kendo, kiteboarding, men’s lacrosse, women’s lacrosse, mixed martial arts, rock climbing, roller hockey, men’s rugby, women’s rugby, men’s soccer, women’s soccer, women’s softball, surf, swimming, table tennis, taekwondo, tennis, tri-knights, ultimate frisbee, women’s ultimate frisbee, men’s volleyball, women’s volleyball, wakeboard, men’s water polo, women’s water polo, wrestling.

Regional Campuses Student Services
Assistant Vice President: A.J. Range; University Tower, Suite 101, 12201 Research Parkway, Orlando, FL 32826; 407-823-4547
Director, Student Services, UCF Daytona Campus: Diane Weidman; 386-505-4024; E-mail: eress@mail.ucf.edu
Director, Student Services, UCF Cocoa and UCF Palm Bay Campuses: Terry Exum; 321-433-7950; E-mail: srsse@mail.ucf.edu
Director, Student Services, UCF South Lake, UCF Leesburg and UCF Ocala Campuses: Pamela Brady; 352-536-2219; E-mail: wssru@mail.ucf.edu
Coordinator, Student Services, UCF Valencia West, UCF Valencia Osceola and UCF South Orlando Campuses: Carol Black; 407-582-5487
Coordinator, Student Services, UCF Sanford/Lake Mary Campus: TBA; 407-705-2471

UCF Regional Campuses Student Services offices at the Daytona: Cocoa/Palm Bay; South Lake, Ocala, Leesburg; Sanford; Lake Mary; Valencia West, Valencia Osceola and South Orlando campuses provide student services at each regional campus, including transfer orientation, career services, experiential learning, veteran services, transition assistance, and accommodations for students with disabilities. In addition, the offices provide programming and assistance to student organizations as well as provide various standardized test information.

Registrar’s Office
University Registrar: Brian C. Boyd; MH 161; 407-823-3100; Registration HelpLine: 407-823-3533; E-mail: registrar@mail.ucf.edu
http://www.registrar.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 coordinates and enforces University policies and procedures campus-wide through cooperation, communication, and leadership. In addition, the Registrar’s Office is responsible for management and publication of course offerings, Undergraduate Advising Guide, the online Undergraduate Catalog, online Web Enrollment Guide, the efficient utilization of classroom resources, readmissions, SUS transient students, residency reclassifications, student veteran services, and Commencements.

Veteran Services
Assistant University Registrar: James Middlekauff; MH 161; 407-823-2707; http://www.va.ucf.edu
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. The office also provides related counseling for personal and academic concerns and referral to various community agencies. Veterans and eligible dependents must be certified through Veteran Services each term to receive VA educational benefits. The office monitors the academic progress of all initial credential receiving VA educational benefits. Veterans and eligible dependents are urged to consult Veteran Services early in the UCF admissions process for information about Veteran Services. Students eligible for VA educational benefits must certify each term with Veteran Services after they enroll for classes. To maintain eligibility for VA education benefits, students must adhere to the policies and procedures for VA educational benefits. A copy of the “Student Veteran Handbook” can be obtained on the GI Bill Web site (http://www.gibill.va.gov/).

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 not awarded for experience, military skills level and/or special certifications. 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 Undergraduate Admissions Office.

Students eligible for VA educational benefits may also be eligible for a VA deferral of tuition and fees. The VA Deferral due date is contained in the “Academic Calendar.” Students eligible for financial aid adequate to cover tuition and fees are not eligible for this deferment. 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 VA Chapter. Check Veterans Services Web site 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 wish 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. Accordingly benefits will be terminated for individuals who are disqualified, excluded, suspended, or expelled from the University. If reinstated by the University following disqualification, exclusion, suspension, or expulsion, the veteran or eligible dependent must contact Veterans Services to have their VA educational benefits re-activated. Individuals placed on academic probation will continue to receive benefits as long as he or she earns a 2.0 or higher GPA each term. For students who fail to maintain satisfactory academic progress, benefits will be terminated once the required credit hours of course work for the program of study are completed, regardless of the GPA or eligibility for graduation. Veterans and eligible dependents also may draw VA benefits during the periods of eligibility while on Cooperative Education programs and services that enable UCF students to achieve their academic goals. Programs include: Supplemental Instruction, peer tutoring, academic advising, and academic success workshops. The Supplemental Instruction (SI) program focuses on providing assistance to students in historically difficult courses such as anatomy, biology, chemistry, microbiology, and physics. These peer-led study sessions give students in these courses 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, statistics, and biology, to name a few. In total, SARC provides individual and group tutoring for more than 25 subjects. Each semester, SARC also 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. Additionally, preparatory workshops are offered for the math portion of the General Knowledge exam.

SARC’s professional academic advisors provide support for students in the Pegasus Success Program, the College Achievement Program (CAP) and Spring Admitted First-Time-In-College students.

A learning skills specialist is also available for students who need study skills advice or those who wish to enhance their educational experience.

Student Disability Services (SDS)
Director: Pamela Rea; FC 132; 407-823-2371
http://www.sds.ucf.edu

The Office of Student Disability Services provides information and individualized accommodations consistent with the student’s documented disability. Such accommodations may include, but are not limited to, assistance with classroom accommodations (including examination accommodations), assistance with course registration, and information and referral to campus and community services for students with disabilities.

To be eligible for disability-related accommodations, students must have a documented disability as defined by applicable federal and state laws. Accommodations are available to students whose disabilities continue, but are not limited to, attention-deficit hyperactivity disorder, deaf and hard-of-hearing, physical disability and/or health-related impairment, psychological and/or psychiatric disability, specific learning disability (such as dyslexia), speech impairment, visual impairment, or other disabilities requiring administrative or academic accommodations. Students seeking accommodations are required to provide recent documentation from an appropriate health care provider or professional.

If a student needs special admission consideration based on a disability, the student should answer this question on the Application for Admission form and send the requested appropriate documentation to the Undergraduate Admissions Office.

After admission to the university, students who have a disability and may require academic accommodations must contact Student Disability Services. Students submit appropriate disability documentation, along with a Request Documentation Review form, to SDS. SDS staff will contact the student either to schedule an intake interview or request further documentation. Students must be registered with SDS to be eligible to receive academic accommodations. All information is confidential and will be used only to assist the student. A Text Telephone (TTY)/Telecommunication Device for the Deaf (TDD) is available for deaf/hard-of-hearing or speech-impaired persons with TTY/TDDs to contact Student Disability Services (TTY/TDD calls only phone 407-823-2116).

Student Government Association
OSI/SGA Advisors: Director Kerry Welch; SU 214; 407-823-2191
http://www.sga.ucf.edu

The Student Government Association’s purpose is to represent student views on issues affecting UCF and to promote progressive changes that improve campus life. In advocating better communication and understanding among the UCF family, the Student Government Association also provides numerous services that affect student life. These services include free printing in the SGA computer lab, discount tickets to movie theaters and theme parks, legal services, recreational opportunities through the Recreation and Wellness Center, programming through the Campus Activities Board, Homecoming, Volunteer UCF, Late Knights, Multicultural Student Center, Knights of the RoundTable, and Knightcast, and much more. Money allocated by the Student Government Association for these services comes from Activity and Service Fees that students pay during registration. Additionally, 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.

Student Government Association’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,
oversees the daily administrative operation of SGA. The legislative branch funds student organizations and also passes bills and resolutions benefitting the student body. The judicial branch oversees hearings concerning constitutional and legislative issues.

All students are encouraged to take an active role in the Student Government Association. For information on how to become involved with SGA or how your student organization can receive funding, contact the Student Government Association office.

**Office of Student Rights and Responsibilities**
Assistant Vice President, Student Development and Enrollment Services and Director: Patricia A. MacKown; FC 142; 407-823-6960
http://www.osrr.sdes.ucf.edu

By offering a wide range of services designed to assist as well as educate students in resolving their disputes, the Office of Student Rights and Responsibilities (OSRR) combines Student Legal Services, Dispute Resolution Services, and the Office of Student Conduct. OSRR provides a forum that contributes to the individual growth and development of the student's knowledge of community responsibilities, due process, conflict resolution skills, and university student conduct rules. Our resources are more effectively used by combining and utilizing existing resources and having a single judicial knowledge base that is the Golden Rule Student Handbook.

The Golden Rule, which contains more detailed information on student life, can be obtained at the Office of Student Conduct or can be viewed on the internet at http://www.goldenrule.sdes.ucf.edu. This office also advises the Golden Rule Review Committee which is a standing committee of students charged with making recommendations for updating the Golden Rule Student Handbook.

**Dispute Resolution Services**
Coordinator: Patty Farris; FC 142; 407-823-3477
http://www.drs.sdes.ucf.edu

Dispute Resolution Services enhances the university community by offering mediation training and services directed at resolving interpersonal disputes. The process provides a constructive forum for promoting increased understanding, responsibility, mediation is a private, voluntary, decision-making process in which one or more impartial persons (mediators) assist people, organizations, and communities in conflict to work toward a variety of goals. This service is available to the university community and is encouraged for those who have been unsuccessful in resolving their differences. Mediation training is conducted several times each semester and is offered at two different levels: 1) a basic introduction to conflict resolution skills and mediation techniques session; and 2) an advanced mediation techniques session. Mediation services are provided to UCF students, faculty, and staff at no charge. Mediation training is available to students at no charge, and to faculty and staff at a low cost. Dispute Resolution Services also offers educational workshops and outreach programs to foster understanding and promote harmony within the university community.

**Office of Student Conduct**
Associate Director: Dana Juntunen; FC 142; 407-823-4638
http://www.osc.sdes.ucf.edu

The Office of Student Conduct addresses allegations of the “Rules of Conduct” contained in the Golden Rule student handbook. Our goal is to educate students, faculty and staff on the issues related to the student conduct, community responsibilities, and behavioral expectations in the Rules of Conduct in the Golden Rule Student Handbook. This office is also responsible for admission clearances, dean’s certification, and student eligibility checks. The rules of conduct can be found in the Golden Rule student handbook and copies may be obtained at the Office of Student Conduct, or can be viewed on the internet at http://www.goldenrule.sdes.ucf.edu.

Students are encouraged to apply for the Student Conduct Board, which determines whether a student has violated the Rules of Conduct and recommends sanctions that may be imposed when a rules violation has been committed.

**Student Legal Services**
Assistant Vice President, Student Development and Enrollment Services and Director: Patricia A. MacKown; FC 142; 407-823-2538
http://www.stulegal.sdes.ucf.edu

Student Legal Services provides students with advice and consultation, including court representation, in selected areas of law such as landlord/tenant, consumer, simple wills, traffic, and criminal. Each eligible student (i.e., an undergraduate or graduate student currently enrolled in UCF) is entitled to consult free of charge with a Program Attorney about any legal matter not excluded by program guidelines. Students in need of legal services should contact the Student Legal Services office. This service is by appointment only and no legal advice is given over the phone.

**Student Union**
Director: Suzanne Halpin; SU 312; 407-823-2117
http://www.ucfsu.com

The Student Union is the meeting place on campus and provides the community with a variety of meeting places, offices, programs, and services. The Union is home to a great variety of restaurants including Joffrey’s Coffee, Smoothie King, Subway, Sbarro, Mrs. Field’s, Pretzel Time, Walkado’s Grub and Brew, Qdoba Mexican Grill, Burger King, Pollo Pollo, Asian Chaol and Corner Cafe. Our latest addition is Brooklyn Pizza located at the Ferrell Commons complex. Retail stores include GreatUnique, KnightStop Convenience Store, College Optical, and the UCF Computer Store. Other services located in the Union are the SGA Ticket Office, Kaplan Test Services, ATMs from SunTrust, Bank of America and the UCF Credit Union as well as a Postal Kiosk. For information, call 407-823-0001.

**Transfer and Transition Services**
Director: Charlene A. Stinard; PH 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 the University of Central Florida. 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 community colleges: Brevard, Lake Sumter, Seminole, and Valencia Community Colleges;
- Advising for transfer students who are undeclared majors, undeclared, 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;
- Peer Mentors provide transfer advising services and connections to the campus community, including Transfer Knights club;
- Written articulation agreements and inter-institutional relationships between the University of Central Florida and secondary schools, community colleges or universities; and,
- Articulation workshops and conferences involving instructional, advising, and administrative personnel from the university, community colleges, and other institutions.

**University Testing Center (UTC)**
Director: Rebecca Piety; PH 106; 407-823-6109
http://www.testing.sdes.ucf.edu

The University Testing Center administers the Academic College Test - Residual (ACT); Accuplacer; Distance Learning/Correspondence Exams; Foreign Language Proficiency Exam (FLPE); Grammar Proficiency Exam (GPE); and Test of Essential Academic Skills (TEAS).

UTC administers the following national standardized examinations:

- College Level Examination Program (CLEP)
- Graduate Record Examinations (GRE) – Subject Areas Only
- Law School Admissions Test (LSAT)
- Test of English as a Foreign Language (TOEFL IBT)

**Upward Bound Program**
Director: Rebekah McCloud; PH 208; 407-823-5595
http://www.upwardbound.sdes.ucf.edu

The Upward Bound Program provides first-generation, low-income high school students with access to secondary education as full participants. The program is designed to enhance the academic and personal skills of students. It prepares them while in high school for college admission, retention, and graduation. This program is supplementary to the students’ regular high school curriculum, and assists students to overcome barriers by providing tutoring, mentoring, academic workshops, academic counseling, academic instruction, assistance with standardized testing, life skills workshops, financial literacy, cultural events, college visits, assistance with the college admissions and the financial aid process, and a six-week summer residential program.
Undergraduate Admissions

Associate Vice President: Gordon D. Chavis, Jr.;
Progress Energy University Welcome Center; 407-823-3000;
E-mail: admission@mail.ucf.edu;
http://www.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 SUS transient students to the Orlando, Daytona, South Lake and Cocoa campuses. 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 community college visits by admission representatives. It also provides the opportunity to meet one-on-one with an admission representative on campus. Please visit our Web site 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 University Welcome Center at 10:00 a.m. and 2:00 p.m., Monday through Friday, except holidays. Reservations can be made by visiting our Web site at http://www.admissions.ucf.edu. Group tours of up to 80 or special requests may be accommodated and can be requested by visiting our Web site.

Meetings with admissions representatives to discuss particular concerns about admission to the University are available. You may contact the Undergraduate Admissions office at 407-823-3000 or visit us at our Web site. Information sessions and campus tours are also available for students interested in our Rosen College of Hospitality Management on International Drive. Please contact them at 407-903-8000 for further information.
Undergraduate Admissions

Application for Admission
All interested applicants should complete the University of Central Florida “Undergraduate Admissions Application” online at http://www.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. Questions concerning admission requirements and applications can be forwarded to admission@mail.ucf.edu.

Applications for admission can be submitted up to several months prior to the start of the term desired. The priority 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 and an application for University housing can be found at http://www.housing.ucf.edu. Requests for housing are subsequently reviewed by date of the receipt of the housing application. The University encourages applications from qualified persons of both sexes, all ages, and from all cultural, racial, religious, and ethnic groups. The University does not discriminate on the basis of disability for admission.

Applicants should understand that this Undergraduate Catalog outlines minimum requirements to be considered for admission and that admission to the University is selective. 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 Undergraduate Admissions Office and the Admissions and Standards Committee are responsible for the admission of all undergraduate students under this exceptions policy.

Applicants must request that official transcripts from each educational institution attended be forwarded directly to the Undergraduate Admissions Office. To be considered official, all supporting admissions documents must be received directly from the issuing institution or testing agency. All final supporting documents (official transcripts and test scores) must be received by Undergraduate Admissions no later than 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, may become ineligible for financial assistance, and may, in some cases, be withdrawn from the University. In addition to the required documentation mentioned above, students must have a satisfactory conduct record at all schools attended.

Reactivation
Students who have submitted an application for admission to UCF as a degree-seeking student and do not attend, may reactivate the original application within one year of the term for which they first applied. To update the application, students should complete the Reactivation Form online at https://www.admissions.mca.ucf.edu/secure/react_app_login.asp by the published application deadline date. This process reactivates the application only; additional official credentials may be required. Admission for one term does not guarantee admission for a future term.

Limited Access Programs
Admission to the University does not guarantee admission to a limited access program. Some majors at the University limit the number of students who may enroll. Limited access status occurs when student demand exceeds available resources (e.g., faculty, instructional facilities, equipment) or when specific accrediting requirements apply. Criteria for admission are selective and include: indicators of ability and indicators of performance, creativity, or talent to complete required work within the program.

Orientation
All first-time undergraduate degree-seeking students are required to attend orientation prior to enrollment. Orientation information is mailed to all students offered admission to the University or may be viewed on the Web site at http://fye.ucf.edu/.

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 (includes early admission and dual enrollment, on- or off-campus)
C. Transfer
D. Senor Bachelor’s Degree
E. Transient (one term enrollment only, not from a Florida public university)
F. Limited Non-Degree Seeking

Upper Division Transfer students may also apply to one of many Regional Campus sites. Please refer to the application.

Freshman Applicants
Any FTIC student who meets Department of Education minimum admission requirements is encouraged to submit an application. Meeting these minimum requirements does not guarantee admission. The University will do everything possible to admit all qualified applicants who apply by the priority deadline date. If the number of qualified applicants exceeds the number the University is permitted to enroll, admission will be on a selective basis. An applicant’s total high school record (including grades, test scores, educational objective, quality of courses completed, counselor recommendations, essay, and personal achievements and honors) will be considered in the selection process. The University reaffirms its Equal Educational Opportunity (EEO) commitments and seeks to increase diversity among the student body.

High School Diploma
Freshmen who are applying for admission to the University are required to have a standard high school diploma or a General Equivalency Diploma (GED).

Entrance Examination Scores
All applicants for admission must submit test scores from the SAT Reasoning Test or the ACT. In addition, any student whose native language is not English may be required to submit a Test of English as a Foreign Language (TOEFL) or an International English Language Testing System (IELTS) score.

High School Academic Units and Grade Point Average
All applicants must have earned a minimum number of high school academic units (year-long courses that are not remedial in nature) to be considered for admission. A grade point average (GPA) will be computed only on academic courses. Grades in International Baccalaureate (IB), Advanced Placement (AP), Cambridge Advanced International Certificate of Education (AICE), honors and dual enrollment courses will be given additional weight in the computation of the academic GPA. The high school academic unit requirements are as follows:

<table>
<thead>
<tr>
<th>Academic Subjects</th>
<th>Units Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>English (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 (included: 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>
<tr>
<td>Additional academic electives from the above five subject areas and courses recommended by the Florida Assn. of School Administrators, or other groups, and courses recommended by the Articulation Committee and approved by the Department of Education</td>
<td>2</td>
</tr>
</tbody>
</table>

Total Units 18
Applicant Eligibility

All applicants must meet the following Department of Education (DOE) minimum eligibility index standards to be considered for Admission:

If the High School GPA is: Minimum test scores must be:
HS GPA SAT or ACT
2.0 1680 25
2.1 1620 24
2.2 1620 24
2.3 1560 23
2.4 1510 22
2.5 1450 21
2.6 1450 21
2.7 1450 21
2.8 1450 21
2.9 1390 20
3.0 * *

*No minimum score required.

Each State university reserves the right under DOE rule (6C6.002) to establish admission criteria that exceed DOE 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 have two years of one foreign language in high school or the equivalent (minimum eight credit hours) at the post-secondary level, to be offered admission.

Dual Enrollment 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. 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 or ACT;
   - written letter of recommendation from high school counselor or school district permission 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://www.admissions.ucf.edu and arrange to have official transcripts sent from all colleges attended. The Undergraduate Admissions Office 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 effective Fall 2001, but only recognizes grade forgiveness when it is used as part of an awarded State articulated Associate in Science degree or an Associate in Arts degree from a Florida public community college, Florida public state college, or Florida public university. Applicants must have a current minimum GPA of 2.0, and must have a cumulative 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 students are encouraged to review the current edition of UCF’s "Transfer Counseling Manual" available in Florida public community college counseling offices. The manual provides the recommended community college coursework requirements for all majors as well as other helpful information.

Transfer Applicants With Fewer Than 60 Credit Hours

All college transfer applicants with fewer than 60 credit hours of acceptable credit must minimally meet freshman high school unit entrance requirements, the high school academic GPA, and minimum SAT or ACT scores; 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.

Transfer Applicants With an A.A. Degree From a Florida Public Institution

Admission of Associate in Arts (A.A.) degree graduates from Florida public community colleges, Florida public state colleges, and Florida state universities will be governed by the Articulation Agreement between the state universities and public community colleges of Florida, as approved by the State Department of Education. The agreement states that except for limited access programs, admission as a junior to the upper division of the University shall be granted to any graduate of a state-approved Florida community college or State University System institution who transfers directly to UCF (see Rule 6A-10.024), who has completed the university parallel program; and who has received the Associate in Arts degree, which includes all of the following:

- At least 60 credit hours of academic work exclusive of occupational courses and basic required physical education courses;
- An approved general education program of at least 36 credit hours;
- A GPA of at least 2.0 on a 4.0 system for all college-level academic courses attempted. (Only the final grade received in courses repeated by the student shall be used in computing the average.); and,
- One year of college instruction in a single foreign language. (This requirement applies to those students without the required two units of foreign language in high school.) Students who receive an Associate in Arts degree from a Florida public community college or university prior to September 1, 1989, but who have not met the foreign language requirement may be admitted to the University on a provisional basis.

Any student admitted without two years of one foreign language in high school or the equivalent (minimum eight credit hours) of such instruction at the post-secondary level, must satisfy the admission requirement prior to graduation. Florida Community College Associate in Arts graduates are guaranteed the following rights under the Statewide Articulation Agreement (State Board of Education Rule 6A-10.024):

1. Admission to one of the eleven 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;
Undergraduate Admissions

3. Transfer of equivalent courses under the statewide Course Numbering System;
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; and
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 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,
- A minimum of eight credit hours of college instruction in a single foreign language. This requirement applies to those students without the required two units of a single foreign language in high school.

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 Undergraduate Admissions Office. Students should complete the regular undergraduate admissions application;
- Students who have attended the University of Central Florida as a degree-seeking undergraduate student should apply through the Registrar's Office. These students complete the "Readmission Application" form.

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 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.

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 regular 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 university, please refer to the "SUS Transient Students" section of this Undergraduate Catalog. 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.

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 semester 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
- Soldiers-to-Scholars

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 been 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; and,
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.

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," or apply online at http://www.admissions.ucf.edu. Because of additional 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 admissions deadlines. These students must also complete and submit the required financial and immigration documentation by the deadline. The deadlines for Fall semester are March 1; for Spring semester, September 1, and for Summer term, January 1.

Submit the completed UCF admissions application form with the required $30.00 non-refundable application fee (check or money order in U.S. currency). An online application is available on our Web site 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, P.O. Box 6151, Princeton, New Jersey, 08541-6151 or IELTS, http://www.ielts.org/default.aspx.

Results of the SAT or ACT may be considered if the student has earned less than 60 credit hours of college credit. Information regarding these examinations may be obtained from the College Board (SAT), P.O. Box 592, Princeton, NJ, 08540 or from ACT, P.O. Box 414, Iowa City, Iowa, 52243. 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.
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, 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 Florida public community colleges or universities 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.

Military credit is not accepted through transfer unless used as part of an Associate in Arts degree from a Florida public community college. 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. For more details, refer to ‘Academic Honors’ within the “Academic Regulations and Procedures” section of this Undergraduate Catalog.
Office of Student Financial Assistance
Executive Director: Mary H. McKinney, MH 120;
Switchboard: 407-823-2827; Appointment: 407-823-5285;
Fax: 407-823-5241; E-mail: finaid@mail.ucf.edu
http://finaid.ucf.edu
Office Hours:
Monday: 9:00 a.m. - 5:30 p.m.
Tuesday, Wednesday, Friday: 9:00 a.m. - 5:00 p.m.
Thursday: 1:00 p.m. - 5:30 p.m.
(Hours subject to change during holidays and semester breaks.)
The mission of the Office of Student Financial Assistance is to provide
UCF students and the University community comprehensive quality
service by offering options for financial assistance and efficient deliv-
ery of aid. Financial aid counseling is available by appointment. Due
to confidentiality, counseling by phone and e-mail is limited. Student
Financial Assistance, a unit of Strategy, Marketing, Communications
and Admissions, is dedicated to the attainment of UCF’s mission and
goals.

Student Rights and Responsibilities
Students have the right to full information about the financial aid pro-
grams available at UCF, our application procedures and 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 have the right to equitable treatment of
their financial assistance applications. Although each student’s case is
analyzed individually, eligibility standards are applied uniformly with-
out regard to race, gender, religion, creed, national origin, or physical
handicap. All students’ records are confidential.
It is the student’s responsibility to review and understand all informa-
tion 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 the law.

Student Eligibility
To receive aid from most federal and state financial aid programs, stu-
dents 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 form as con-
sidered for attendance. UCF must be listed on the FAFSA in order
to receive the data. UCF’s Title IV code is 003954. Regulations are
subject to change at any time.

Application Priority Date
All students must apply or reapply yearly for financial aid.
To be considered for the full range of financial aid available, stu-
dents should complete the Free Application for Federal Student Aid
(FAFSA)/Renewal FAFSA by mid-February. The processed results
of the FAFSA must be received by UCF by March 1st to meet our
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 Stafford
  Loan, and Federal PLUS Loan;
- Students should not wait to be admitted to UCF before applying
  for financial aid;
- Federal Pell Grants and Federal 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 who apply for aid and whose file is completed after July
  15th should not expect their aid to be paid until well after the
  beginning of the fall semester;
- A broad range of scholarships is available with diverse criteria.
  Please review the Scholarship Listing on the Web site for specific
deadline dates for individual scholarships.

Application Procedures
- The FAFSA can be filed electronically at http://www.fafsa.ed.gov.
  A link is provided on the Web site and on myUCF.
- Messages from the federal processor should be reviewed thor-
  oughly;
- Review all correspondence, follow instructions on the Student Aid
  Report, and follow through promptly. 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.
  Sometimes subsequent requests for data may be necessary after
  initial submissions are reviewed. Prompt response to requests for
  additional documentation will expedite completion of this process;
- Offered federal funds and other need-based financial aid are not
  considered firm until Verification is complete and all necessary
  corrections have been made.
Student Financial Assistance

Specific Eligibility Requirements and Conditions for Receiving Financial Aid

- Students must be accepted and classified as degree-seeking at UCF in an eligible program;
- Students must maintain UCF’s Standards for Satisfactory Academic Progress;
- 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 necessitate a revision of the financial aid award(s). 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;
- 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, complete an online Entrance Interview if it’s your first time borrowing at UCF, and all borrowers must complete a new Master Promissory Note (MPN) for a Federal Stafford Loan at UCF;
- Students must be a U.S. citizen or an eligible non-citizen, (e.g. resident alien). Eligible non-citizens include I-151, I-551, and I-688 cardholders as well as some I-94 classifications;
- Students must have a high school diploma or GED certificate;
- For need based programs students must show a financial need as determined by the FAFSA;
- A male applicant 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 Web site, under Receiving Aid.

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 our application priority date;
- Make a copy of tax return forms before submission to IRS;
- Start a folder to save financial aid information and photocopies of all documents submitted. (Do not submit originals; documents will be shredded after scanning.)
- Maintain a current e-mail and mailing address on myUCF at all times at https://my.ucf.edu;
- Complete all items necessary to apply for both a Federal Pell Grant and a Federal 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;
- If there are extenuating circumstances or problems at anytime, call the appointment line, 407-823-5285, to meet with a counselor;
- Comprehensive information can be found on the Web site: http://fsaid.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 Web site for the estimated Cost of Attendance.

Estimated Cost of Attendance for 2010-2011

<table>
<thead>
<tr>
<th>Undergraduate Students</th>
<th>Fall/Spring based on 14 hours per term</th>
</tr>
</thead>
<tbody>
<tr>
<td>Florida Residents</td>
<td>Non-Florida Residents</td>
</tr>
<tr>
<td>Living Arrangement</td>
<td>On/Off Campus</td>
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<td>Tuition and Fees</td>
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<td>Books</td>
<td>924</td>
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<tr>
<td>Room &amp; Board</td>
<td>8,574</td>
</tr>
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<td>Transportation</td>
<td>1,800</td>
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<tr>
<td>Personal Expenses</td>
<td>2,276</td>
</tr>
<tr>
<td>Total Costs</td>
<td>$18,092</td>
</tr>
</tbody>
</table>

Financial Aid Programs Available at UCF

Financial aid comes in many forms, such as grants, loans, employment, waivers, and scholarships. The Program Eligibility Charts on the Web site under “Receiving Aid” list the various programs and their specific enrollment requirements. Detailed information for each program can also be found on the Web site under its particular title.

Grants are considered gift aid and do not have to be repaid. Only undergraduate students who have not previously received a bachelor’s degree and who demonstrate financial need may be eligible for grant programs. Awards are based on the amount of available funds and the number of eligible applicants. To be considered for grant awards, students must meet eligibility requirements and have a valid FAFSA on file at UCF.

Loans are borrowed funds that must be repaid. They provide undergraduate students with an opportunity to invest in their future. Undergraduate students must enroll for at least six hours at UCF in UCF classes to be considered for federal loans.

Federal Work Study is designed to provide students who demonstrate financial need a chance to earn money while pursuing a degree. Individual departments hire students while the Office of Student Financial Assistance determines the eligibility, award amount, and pay rate.

Scholarships are awarded based on various criteria, including financial need, campus/community activities, leadership positions, academic success, and work experience. Scholarships are designed to reward, encourage, and assist students in pursuing academic excellence and leadership roles.

Award Notification
Award notifications are mailed to first time UCF students after March 15th, while e-mail award notifications are sent to continuing students. Initial awards may be amended due to factors such as contingent admission status, less than minimum hours enrolled, lack of academic progress, changes needed due to Verification, incomplete files, additional resources, etc.

Student awards will be based upon the student’s financial need, the amount of available funds, the number of UCF students who qualify for aid, and the date the student completes the application process. The amounts listed on the award notifications are estimates based on full-time enrollment. For purposes of financial aid, enrollment is based solely on classes that count toward degree completion. If a class is not required to earn a degree, then the hours of that class are not used to calculate a student’s enrollment.

Admission to UCF must be finalized with no contingencies. Students must be classified as degree-seeking.

Verification, if required, must be completed. Students must meet the Standards for Satisfactory Academic Progress. If all eligibility is met, financial aid funds may be disbursed.

It is the student’s responsibility to be aware of minimal hourly requirements for each program, which can be found on the Program Eligibility Charts on the Web site. When requirements are no longer met, awards will be adjusted as necessary and will appear on myUCF. All awards are subject to change.

Deferrals of Tuition and Fees
Financial aid awards will normally result in a deferment of tuition and fees payments. Deferrals allow for the time lag that normally occurs between the date that tuition and fees are due and the date on which financial aid disbursements are made, which is normally two to three weeks after the term begins. Students are responsible to pay any
Student Financial Assistance

amount owed to the university that is not covered by estimated aid and/or other resources by the payment deadline. 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 Web site for more information. Students should use myUCF to obtain up-to-date information. Since awards are subject to change, deferrals are also subject to change. In order for loans to defer tuition and fees, students must accept the offered loan on myUCF View Financial Aid screen. Students selected for Verification will not have access to accept their loans until all required documentation has been submitted and Verification has been completed. Students must drop classes prior to the end of Add/Drop in order to not be fee liable for those classes. If students do not drop classes, a financial aid deferment may keep the classes active even if they are never attended.

Disbursements

Financial aid disbursements begin the second week of each term. Students should be aware of this so 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 the week before the first day of classes. For additional information regarding these two programs, visit: http://finaid.ucf.edu/receiving/disbursements.html. Students who apply late for financial aid should be prepared to cover their own living expenses, out-of-pocket, well into the term. When financial aid disbursements, the funds first apply towards university debts. Any remaining expenses, out-of-pocket, will be available as early as the week before the first day of classes. When financial aid is deposited into the student’s bank account. Otherwise, a check is mailed to the student’s current mailing address listed on myUCF.

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.

To meet the standards adopted by the University of Central Florida, a student must:

- Complete a minimum of 70% of the attempted hours taken during the course of the year. Compliance of this requirement is checked at the end of each spring term. If students fail to meet this requirement or were not enrolled during the last monitoring period (fall/spring), a review of total hours taken at UCF will occur to determine if a 70% completion rate was attained for all attempted UCF course work. If students fail to pass both of these reviews, they will be placed on Satisfactory Academic Progress cancellation status, effective the following academic year, beginning fall term. Students on probation must meet standards each term.
- Graduate within the number of hours allowed by the Satisfactory Academic Progress policy. Students are allowed a specific number of UCF attempted hours, based on their academic level at the time of admission to UCF. (see chart below)


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, he/she has brought up the percentage to a minimum of 70%, the student may appeal to the committee for reinstatement, at that time.

To appeal, the student must:
- Attach documentation that supports specific circumstance(s) to the appeal form; and,
- Submit the appeal and the supporting documentation 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 e-mail communication or the student may view the updated status on myUCF, under View Financial Aid Status.

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, Code 003954, by utilizing Part II of the Student Aid Report, by 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.

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 award year;
- you are or will be enrolled in a master’s or doctoral program (beyond a bachelor’s degree) at the beginning of the academic year;
- you 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 30th of the school year;
- 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 attended a U.S. Service Academy and who were released under a condition other than dishonorable.)
- at age 13 or older, 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;
- you were determined, by the director of an emergency shelter program funded by the U.S. Department of Housing and Urban Development, to be an unaccompanied youth who was homeless;
- 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.

Attach documentation that supports specific circumstance(s) to the appeal form; and,
- Submit the appeal and the supporting documentation 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 e-mail communication or the student may view the updated status on myUCF, under View Financial Aid Status.

Classification | Maximum UCF Hours Allowed For Completing Degree |
---|---|
Undergraduate | |
All Freshman | Undergraduate 180 Attempted UCF Hours |
Transfer Sophomores | Undergraduate 135 Attempted UCF Hours |
Transfer Juniors | Undergraduate 90 Attempted UCF Hours |
Transfer Seniors | Undergraduate 45 Attempted UCF Hours |
Second Degree | 60 Attempted Hours |
Masters | 70 Attempted Hours |
Specialist | 100 Attempted Hours (Including all Graduate Hours) |
Degree-Seeking | 120 Attempted Hours (Including all Graduate Hours) |
Doctor of Medicine | Students must maintain Satisfactory Academic Progress for continued enrollment in M.D. program and access to federal assistance programs. |
Dual 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. Dual enrollment will not meet eligibility criteria for institutional aid programs, such as UCF Grant, UCF Scholars Award or Pegasus Scholarships. Courses taken elsewhere must meet some major or general education requirements to be calculated as part of student aid eligibility. All of the following documents must be submitted to the Office of Student Financial Assistance on or before the withdrawal deadline of the term in which aid is to be disbursed:
1. Dual Enrollment/Transient Form; 
2. Advisor Certification Form with all required signatures;
3. A copy of the Fee Invoice and class schedule from other institution confirming that the classes and hours enrolled match the Transient Student Form; and,
4. A completed Consortium Agreement Form signed by the financial aid office of the transient school.

Dual enrolled students 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 insure that the visited school promptly provides the UCF Registrar’s Office with academic transcripts, confirming that the attempted hours are completed. This will help avoid academic progress problems. 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.

Students may not receive financial aid from two institutions at the same time. 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, depending on the type of aid that has been awarded. To prevent over awards, it is extremely important to notify the Office of Student Financial Assistance of any potential awards not already listed on the student’s financial aid award summary on myUCF, Student Center. In the event of an over award, a student’s award package is reduced to eliminate the over award, which may result in a repayment of the over award.

Refunds and Return of Title IV Funds
Students should be aware that if they withdraw from the university after having received financial assistance, they might have to repay a portion of that assistance. Students who received Federal Stafford Loans should also know that the Registrar’s Office is required to notify the National Student Loan Data System (NSLDS) of student withdrawals.

Professional Judgment
The formula 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 should schedule an appointment to review the situation with a counselor. There must be a very good reason to make any adjustments and proof must be provided to support any adjustments.
STUDENT TUITION AND FEES

2009-2010 Fee Schedule*

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<tr>
<th>Fees Per Credit Hour</th>
<th>Undergraduate (0000-4999)</th>
<th>Graduate (5000-7999)</th>
<th>Undergraduate (0000-4999)</th>
<th>Graduate (5000-7999)</th>
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<td>$88.59</td>
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<td>Non-Resident Financial Aid Fee</td>
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<tr>
<td>Transportation Access Fee*</td>
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</tr>
<tr>
<td>Technology Fee</td>
<td>$4.42</td>
<td>$11.87</td>
<td>$4.42</td>
<td>$11.87</td>
</tr>
<tr>
<td><strong>Total Per Hour Fees</strong></td>
<td><strong>$150.85</strong></td>
<td><strong>$306.31</strong></td>
<td><strong>$666.83</strong></td>
<td><strong>$1099.01</strong></td>
</tr>
</tbody>
</table>

*Fee charged to main campus and Rosen College courses only.
*Charged to new or re-admitted students as of Fall 2007. Students with active Florida Prepaid contracts purchased before 7/01/07 are exempt.

2009-2010 Repeat Course Schedule*

<table>
<thead>
<tr>
<th>Fees Per Credit Hour</th>
<th>Undergraduate (0000-4999)</th>
<th>Graduate (5000-7999)</th>
<th>Undergraduate (0000-4999)</th>
<th>Graduate (5000-7999)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition</td>
<td>$88.59</td>
<td>0.00</td>
<td>$88.59</td>
<td>0.00</td>
</tr>
<tr>
<td>Repeat Course Fee</td>
<td>$186.87</td>
<td>0.00</td>
<td>$186.87</td>
<td>0.00</td>
</tr>
<tr>
<td><strong>Total Per Hour Fees</strong></td>
<td><strong>$329.31</strong></td>
<td><strong>$306.31</strong></td>
<td><strong>$666.83</strong></td>
<td><strong>$1099.01</strong></td>
</tr>
</tbody>
</table>

Other Fees: Resident and Non-resident*

<table>
<thead>
<tr>
<th>Fee</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distance Learning Course Fee (per hour)</td>
<td>$18.00</td>
</tr>
<tr>
<td>UCF Campus Card Fee (per academic year)</td>
<td>$10.00</td>
</tr>
<tr>
<td>Campus (ID) Card Replacement Fee</td>
<td>$15.00</td>
</tr>
<tr>
<td>Material and Supply Fee (per term; approved courses only – varies per course)</td>
<td>$5.00-$45.00</td>
</tr>
<tr>
<td>International Student Service Fee (per term)</td>
<td>$50.00</td>
</tr>
<tr>
<td>Repeat Course Fee (per hour)</td>
<td>$38.67</td>
</tr>
<tr>
<td>Equipment Fee (per term, for use of equipment)</td>
<td>up to: $90.00**</td>
</tr>
</tbody>
</table>

**These fees are subject to change by action of the Board of Trustees.

Student Financial Responsibility Statement

Registration at UCF requires students to acknowledge the following financial responsibility statement: “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 due date, I may be charged a $100 Late Payment Fee, my records will be placed on hold, my account may be referred to a collection agency, and I may incur other financial consequences.”

Payment Procedures

Payment must be received or postmarked no later than the fee payment deadline to be considered on time.
Non-cash payments (checks and money orders) placed in the 24-Hour Depository by the official fee payment deadline will be considered on time. **Payments cannot be transacted by telephone.**

Acceptable forms of payment:

- Cash (Main Cashier’s Office)
- Checks
- Credit cards
- E-Pay — [https://my.ucf.edu](https://my.ucf.edu) — E-Check or credit card — nonrefundable $10 convenience fee per transaction. Payments made at anytime on the date of the published fee payment deadline will be considered on time.
- Mail – Please do not send cash — Include the student’s name and PID on checks or money orders.

Address payments to: University of Central Florida
Cashiers Office
P.O. Box 160115
Orlando, FL 32816-0115

**Payment Locations (refer to [http://fa.ucf.edu](http://fa.ucf.edu) for office hours):**

- Cashier’s Office - Main Campus - MH 110 - 407-823-2614
- Cashier’s Office - Brevard Campus (BCC Cocoa Campus) - BLDG 11 Room 204 - 321-433-7615
- Cashier’s Office - Daytona Beach Room 105 (no cash) - 386-506-4073
- Cashier’s Office - Palm Bay Room 115 (no cash) - 321-433-5187/5188
- 24-Hour Depository - Millican Hall at Reflection Pond Entrance (no cash)
- Cashier’s Office - Rosen College Campus Room 201A (no cash) - 407-903-8187

Credit card payments may be made online, through myUCF E-Pay ([https://my.ucf.edu](https://my.ucf.edu)), or at any of the Cashiers’ Offices. A mandatory, nonrefundable $10 convenience fee will be charged each time a student chooses to pay tuition or other state mandated fees through E-Pay.

**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 fee payment deadline as described under Payment Procedures.

**Financial Aid – see Student Financial Assistance for rules and procedures.** All fees not deferred by financial aid are due by the fee payment deadline.

**Florida Prepaid College Plan**

For any enrolled student who has a Florida Prepaid College Plan, the University will automatically defer only the portion of the tuition covered under the plan. All fees not covered by the plan are due by the fee payment deadline. If the student does not wish to utilize the Florida Prepaid Tuition Plan, the student must notify the Student Accounts Office (MH 107) by submitting a request not to bill FFP on or before the first day of the Drop/Swap and Add period.

The standard plan will cover $97.77 per credit hour (graduate or undergraduate level) for the 2009-2010 academic year. The plan does not cover the local fees of $40.25 per credit hour, material/supply fees, equipment fees, Distance Learning course fee, Technology fee or the UCF ID Service and Access fee. Florida Prepaid with the local fee plan, which is indicated on the Florida Prepaid Tuition Plan card, will cover $130.08 per credit hour. For further details on the Florida Prepaid Tuition Plan please visit our Web site [http://www.fa.ucf.edu](http://www.fa.ucf.edu) and click Forms. Then click on Student Services. Scroll down to Florida Prepaid Tuition Plan Procedures.

**Note:** The 2010-2011 tuition rates had not been established at the time of publication.

**Tuition Waivers**

**State of Florida Employees Tuition Waiver**

Full-time state employees may be allowed to enroll for up to six (6) credit hours of eligible instruction per term on a space-available basis without payment of tuition and fees. The tuition waiver cannot be used for courses that have increased costs. These courses include, but are not limited to, continuing education courses, independent study, supervised research, supervised teaching labs, thesis hours, dissertation, internships, practicum courses, third-attempt repeat courses, and surcharges, co-ops, or applied individualized instruction in music, art, or dance, etc. Any state employee who uses an Employee Tuition Waiver for approved courses must submit a completed and signed tuition waiver form to the UCF Student Accounts Office (MH 107). Please submit waiver forms by the last day of the Late Add Period. Employees who submit a waiver form after each term’s fee payment deadline will incur a $100.00 Late Payment fee. See the Academic Calendar [http://www.registrar.sdes.ucf.edu/calendar/academic/](http://www.registrar.sdes.ucf.edu/calendar/academic/) for each term for the fee payment deadlines. Prior to enrolling into courses each term, refer to the Registrar’s Office Web site at [http://www.registrar.ucf.edu/State_UCF.html](http://www.registrar.ucf.edu/State_UCF.html) for eligibility requirements, course restrictions, and the waiver application form. Students may list alternate courses on their waiver form to substitute for preferred courses that are completely filled. Courses that are **not listed** on the waiver form cannot be waived.

**UCF Employees Tuition Waiver**

Full-time general faculty, administrative and professional (A&P), and staff (formerly called USPS) employees of the University of Central Florida who are employed in an established position on the date fees are due and who meet academic requirements, including those employees on sabbatical, professional development grants-in-aid, and educational leave, may be allowed to enroll for up to six (6) credit hours of eligible instruction per term on a space-available basis without payment of tuition and fees. UCF Employee registration occurs on the last day of regular Registration for each term, at the time specified on the Academic Calendar [http://www.registrar.sdes.ucf.edu/calendar/academic/](http://www.registrar.sdes.ucf.edu/calendar/academic/) for each term. Should the UCF employees register for the courses to which the waiver will apply prior to the prescribed date and time, the fee waiver will become invalid and the UCF employee will be liable for all applicable fees. The tuition waiver cannot be used for courses that have increased costs. These courses include, but are not limited to, continuing education courses, independent study, supervised research, supervised teaching labs, thesis hours, dissertation, internships, practicum courses, third-attempt repeat courses and surcharges, co-ops, or applied individualized instruction in music, art, or dance, etc. Any UCF employee who uses an Employee Tuition Waiver for approved courses must submit a completed and signed Tuition Waiver Form to the UCF Student Accounts Office (MH 107) by each term’s fee payment deadline. See the Academic Calendar [http://www.registrar.sdes.ucf.edu/calendar/academic/](http://www.registrar.sdes.ucf.edu/calendar/academic/) for each term for the fee payment deadlines. Prior to enrolling into courses each term, refer to the Human Resources web site at [http://www.hr.ucf.edu/web/forms/benefits/tuitionwaiver.pdf](http://www.hr.ucf.edu/web/forms/benefits/tuitionwaiver.pdf) for eligibility requirements, course restrictions, and the waiver application form. Students are encouraged to list alternate courses on their waiver form to substitute for preferred courses that are completely filled. Courses that are **not listed** on the waiver form cannot be waived.

**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-available basis**, see the appropriate term’s Academic Calendar [http://www.registrar.sdes.ucf.edu/calendar/academic/](http://www.registrar.sdes.ucf.edu/calendar/academic/) 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/ term in which the refund or other appeal action is appealed. 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 by the end of the Drop period; 2) Cancellation of a course by the University; or 3) The student is denied admission for any reason to a course offered by the University.

Partial Refund (25%)
25% of tuition and fees 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.

Exceptional Circumstances
Refunds for exceptional circumstances are available upon an administrative withdrawal from one or more 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. If approved, a Late Withdrawal does not result in a refund of tuition and fees.

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 direct deposited to any U.S.A. bank of their choice. Funds are usually available within 24-48 hours after disbursement, and enrollment only takes a few minutes. To enroll, sign in at my.ucf.edu and click on Student Self Service. Go to the Student Accounts link, 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 and denial of registration, diploma, transcripts and readmission to the University. The services of a professional collection agency and recourse to the courts may be invoked if deemed necessary. All costs of collection, including attorney’s fees, are borne by 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. Payment guidelines for off-campus registration are contained on the off-campus registration form.

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

Late Registration Fees are charged to Students who enroll following the close of Add for the term, who re-register, 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.

Fee Appeals
Students who desire to appeal a Late Registration Fee and/or a Late Payment Fee may make their appeal to the Fee Appeals Committee by initiating a student petition (Form 41-561). This form can be obtained online at http://fa.ucf.edu. Click Forms, Student Services, and Fee Appeals Petition. Students must submit their petitions to Student Accounts (NH 107) and may appear before the Committee (not mandatory). Forms faxed to Student Accounts should be addressed: Attn: Fee Appeals Coordinator, 407-823-6476.

Holds
Holds due to unpaid tuition and fees that prevent registration and the receipt of transcripts will automatically be removed overnight once fees are paid.

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 (formerly 240.1201) and Board of Regents chapter 6C-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 includes 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, parolee, 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 non-temporary or merely 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 last day of registration for the term for which resident status is sought:

1. Documentation establishing legal residence in Florida (this document must be dated 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., rent receipts, 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 no 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;
   e. Proof of real property ownership in Florida (e.g., deed, tax receipts);
   f. Verification of permanent employment 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 the first day of classes of the term for which the student requests Florida residency;
   g. Proof of membership in or affiliation with community or state organizations or significant connections to the State;
   h. Proof of continuous presence in Florida during periods when not enrolled as a student;
   i. Proof of former domicile in Florida and maintenance of significant connections while absent;
   j. Proof of reliance upon Florida sources of support;
   k. Proof of domicile in Florida of family;
   l. Proof of admission to a licensed practicing profession in Florida;
   m. Any other factors peculiar to the individual that tend to establish the necessary intent to make Florida a permanent home and that the individual is a bona fide Florida resident, including the age and general circumstances of the individual;
   n. Proof of graduation from a high school located in Florida.

3. No contrary evidence establishing residence elsewhere;
4. Documentation of dependent/independent status (notarized copy of most recent IRS tax return)
Office will review student requests for changes in residency for poses for all newly admitted students. Thereafter, the Registrar's Studies determine first term at UCF residency for tuition pur-
residency qualifications under the above criteria. Students requesting
Residency Reclassification
Be a person who was enrolled as a Florida resident for tuition purposes at a Florida institution of higher education, but who abandoned Florida residency and then re-enrolled in Florida with 12 months of the abandonment,

Be a full-time Latin American or Caribbean student who receives scholarships from the federal or state govern-

Be a United States citizen living on the Isthmus of Panama who has completed 12 consecutive months of college work at the Florida State University Panama Canal Branch, or a spouse or dependent,

Be a graduate student of the Southern Regional Education Board's Academic Common Market attending Florida's state uni-

Be a full-time employee of a state agency or political subdivision of the state when the student fees are paid by the state agency or political subdivision for the purpose of job-related law enforcement or corrections training,

Be a U.S. Citizen who is a McKnight Doctoral Fellowship recipient,

Be a qualified beneficiary under the Florida Pre-paid Post-secondary Expense Program per s.240.551(7)(a),

Be an active duty member of the Canadian military residing in Florida, or a spouse or dependent,

Submit a statement as to the length of residence in Florida and their residency qualifications under the above criteria. Students requesting Florida residency for tuition purposes shall apply to the appropriate admissions office if they have not yet enrolled, or to the Registrar's Office if they already are enrolled.

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 reclassi-

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 all documents that support the student's Florida residency claim. Residency reclassification requests are subject to Florida Statute 1009.21, Florida State Board of Education Administrative Code 6A-10.044, and State Board of Education rule 6C-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 requires.

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 residency within the bounds of the law 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 school in Florida merely evi-

dent 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 resi-
dence or abode incident to enrollment in an institution of higher educa-

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 docu-
ments 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. Documentation received after the last day of "Late Registration and Add period" will not be used to determine residency for the current term. 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 before it can render a reclassification eligibility determina-
tion and it will not complete its review of the residency reclassification application until both the student and the claimant have submitted all requested documents.
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 students’ 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, IB 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, Explorations Living Learning Community, STEP, and the Out of State Student Mentoring (OSSM) Living Learning Community programs and those not in a special population listed below (PH 116)
   b. Academic Services for Student-Athletes (ASSA) - for student athletes (WDSIC 110)
   c. Student Academic Resource Center (SARC) - for participants in the College Achievement Program (CAP) or Pegasus Success Program (PH 113)
   d. Multicultural Academic and Support Services (MASS) - for all students in the SOAR program (PH 102)
   e. Sophomore and Second Year Center (SSYC) - for freshman students entering UCF with 45 or more college credits earned through accelerated mechanisms from AP, IB, CLEP, and/or dual enrollment courses (PH 215)

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 of college. 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 107) 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 issues. CAHSA is located in Colbourn Hall (CNH) room 202 and advisors can be reached by phone at 407-823-3312 or via e-mail at cahsa@mail.ucf.edu. Students can also access CAHSA’s Web site at: http://www.cahsa.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 E-Mail 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 and college/university policies and procedures to CAHSA.
4. All questions pertaining to major/minor requirements should be directed to the department advisor in the major/minor program;
5. 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 e-mail 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.
6. Regularly check their Knights E-Mail 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. Meet with a CAHSA advisor 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 E-Mail account.
College of Business Administration

The College of Business Administration (CBA) seeks to provide its students with the highest quality academic advising. The intent of the advising system is to assist prospective and current business majors in the development of an educational plan.

New students will:
1. Meet college advising representatives in a group setting during Orientation to discuss college policy, procedures, and degree programs;
2. Review degree requirements at Orientation using the Degree Audit and CBA literature to better understand degree requirements and a Degree Audit;
3. Meet with an academic advisor in the Office of Undergraduate Student Support (USS; BA2 101) during the first enrolled term to petition any relevant transfer work into their degree program;
4. Meet with a Career advisor in the College of Business Administration, BA2 Room 222 (Career Services Satellite Office), to understand the career options of your major; and,
5. Be advised in the USS if the major is Business Pending and the student is classified as at least Sophomore standing.

Continuing students will:
1. Meet with an academic advisor in the USS to review academic progress and develop or update an academic plan. This plan should be reviewed prior to registration each term;
2. Review Degree Audit on myUCF. Check myUCF, CBA TV monitors, or the USS Office for registration dates each term;
3. Register at your scheduled appointment time. Register in myUCF if admitted to the major. All changes to your class schedule must be completed by the end of the drop/swap and add periods;
4. Complete all prerequisites prior to admission to upper division classes; and,
5. Meet with an academic advisor in USS during the semester/term prior to the anticipated graduation term. File the "Intent to Graduate Form" by the end of the term prior to the term preceding that which is planned for graduation.

College of Education

New students will:
1. Meet college advising representatives in a group setting during Orientation to:
   a. Discuss College of Education admission requirements needed for enrollment in 3000/4000 level courses
   b. Review degree program requirements
   c. Understand expectations and responsibilities associated with a career in education;
2. Be advised by the College of Education Office of Student Affairs (ED 110) if their major is Education Pending and be advised in the Academic Advising Center (ED 175) if their major is Elementary Education. Academic advising sessions may be scheduled by calling 407-823-3723 or 407-823-5369; and,
3. Be assigned to an academic advisor in the area of their major upon completion of College of Education admission requirements. The academic advisor’s name and telephone number appear on the Degree Audit to assist students in making an advising appointment.

Continuing students will:
1. Set up an appointment with an academic advisor if accepted in a major or the Office of Student Affairs, if a “pending major”, to review academic advising sessions and to develop an academic plan. Students are expected to review their plan of study each term with an advisor prior to registration;
2. Register at scheduled appointment time in myUCF. Students must complete any changes to their schedules by the end of the published Add period; and,
3. File an “Intent to Graduate” on-line by the end of the term prior to the term in which graduation is intended.

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 (ENGR 107) if Engineering Pending 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 246;
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 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. Submit a written schedule plan signed by their AAO advisor each term if you have been placed on an engineering advisement hold. This plan must be submitted in person to the CECS Academic Affairs Office each time a student uses the registration process.

College of Health and Public Affairs

New students will:
Meet college advising representatives in group settings during Orientation to:
1. Discuss degree program requirements;
2. Understand career options of the major program of study;
3. Plan an appropriate first semester class schedule; and,
4. Meet with an advisor in COHPA Undergraduate Student Services during the first few months of the first term to be advised toward the major.

Continuing students will:
1. See the COHPA Undergraduate Student Services (HPA2, 115) during the first few months 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;
3. File an “Intent to Graduate Form” with an advisor in COHPA Undergraduate Student Services 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 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; and,
3. 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 Pre-Health Professions Advisor in HPA 124, 407-823-2670.

Pre-Health Professions Advisement
The Pre-Health Professions Advisement Office (HPA 124; 407-823-2670) serves all students University-wide preparing for and seeking admission to professional schools of medicine, osteopathic medicine, dentistry, optometry, pharmacy, podiatry, veterinary medicine, chiropractic, physical therapy, and physician assistant programs. The services range from basic advising in pre-health professions matters, to providing a Composite Evaluation of the student to each professional school to which the student applies (upon his/her request after at least 30 credit hours of typical undergraduate pre-health professions courses taken at UCF).

Pre-Health Professional Planning
Preprofessional advisement deals primarily with application and admission procedures to 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. 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; however, the science majors generally lend themselves most adequately to pre-health professions preparation as their curricula includes many courses required for admission to most professional schools.

All students seeking admission to health professional schools should enroll in SLS 2311, Overview of Selected Medical Careers, in their first Spring semester at UCF.

Additionally, prudent use of elective hours in the curricula will permit other appropriate pre-health professions courses to be obtained.

All pre-health professions students are strongly encouraged to participate in the activities of one or more of the student health related organizations.

Curricula Guidelines
All pre-health professions students are strongly encouraged to enroll in SLS 2311 (Overview of Select Medical Careers) the first Spring 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 Biological Sciences: BSC 2010C, 2011C
- Genetics: PCB 3063
- General Chemistry: CHM 2045C, 2046, 2046L
- Organic Chemistry: CHM 2210, 2211, 2211L
- Biochemistry: BCH 4053
- Biochemistry/Molecular Lab: BCH 4103L or BSC 3403C
- Microbiology: MCB 3020C
- Calculus: MAC 2253 (prefer MAC 2311, 2312
- Physics: PHY 2053C, 2054C or PHY 2048, 2049
- Statistics: STA 2023

*Molecular Biology and Microbiology majors substitute BSC 3403C (Quantitative Biological Methods) for BSC 2011C.

For additional recommended courses, contact the Pre-Health Professional Advisement Office (HPA 124).

Dates of Importance
The preprofessional screening process is initiated every February. Application packets are available at the Pre-Health Professions Advisement Office during the month of February. Dental and veterinary medicine applicants should return completed packets by April 15. All other applicants (chiropractic, medical, optometry, podiatry, and pharmacy) are encouraged to return completed packets by May 1.

All students should be aware of registration deadlines and test dates for their specific admissions exam (DAT, MCAT, OAT, GRE, etc.). In addition, most four-year health professions schools subscribe to professional application services (AMCAS, ADDSAS, ACOMAS, etc.), thus require completion of a thorough application packet provided by the various application services. Otherwise, the student applicant must deal directly with the admissions office of the school.

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

Continuing students will:
1. If accepted in a nursing program, see a faculty advisor during the first few months of each semester to review program courses and check progress toward graduation.
2. If a nursing pending major, see an advisor in the College of Nursing, Office of Undergraduate Student Services, during the first few weeks of each semester to check progress toward eligibility for application to the major.
3. View a Degree Audit through myUCF; and,
4. File an “Intent to Graduate” online through myUCF by the end of the term prior to the term in which graduation will occur.

College of Sciences
Although students may have multiple advisors, College of Sciences majors must meet with their faculty academic advisor in their major department and/or the staff of the College of Sciences - Academic Support (COSAS, located in CB 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, etc;
4. Register for classes at a central location; and,
5. Check their “Fee Invoices” to ensure accuracy of their class schedule.

Continuing students will:
1. Contact the department of their major and meet with a faculty 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 Degree Audit online at https://my.ucf.edu;
4. 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;
5. Refer to COSAS any questions pertaining to the Degree Audit regarding GEP, CLEP, AP credit, Gordon Rule, university credit hour requirements, as well as policies and procedures. Questions about major requirements in the Degree Audit should be directed to the department; and,
6. Check their “Fee Invoices” to ensure accuracy of their class schedule.
Graduating students will:
1. Do all of the following steps during the term prior to your term of graduation:
2. Review the COS graduation instructions available at http://undergrad.cos.ucf.edu/current/graduation.php (click on graduation tab);
3. Schedule and attend a graduation review appointment with a COSAS advisor; and,

Office 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 in an individual setting during Orientation to discuss policies and procedures, degree program requirements and tracks, and plan an appropriate first semester class schedule;
2. Schedule a meeting with a member of the Interdisciplinary Studies Advising Team (Classroom I - Suite 302) to officially declare their major and create an individual plan of study;
3. Meet with an advisor in the department of their 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 select 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. 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 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 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. See a Program Advisor prior to registration to select courses and to make sure you are on track for graduation;
3. View a Degree Audit through myUCF and contact a program advisor in the Office of Student Services regarding questions or concerns; and,
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
New transfer students are given the opportunity to meet with a Professional or Faculty Advisor prior to applying to UCF and at any time while enrolled to discuss programs and requirements. Students are asked to meet in a pre-advising session prior to Orientation to determine if the student is a Regional Campus or Orlando Campus student. Orlando Campus students are asked to attend Orientation on the Orlando Campus with the College of their choice. Regional Campus students are required to attend Orientation on the Regional Campuses they plan to attend. The student will receive:
1. Information about the degree programs offered at the Regional Campus;
2. An understanding of the career options associated with their major program of study; and,
3. An appropriate program of study along with the first term class schedule.

Regional Campus students have several opportunities to obtain academic advising which begins as co-advising with the Community College in the DirectConnect to UCF program and continues with the Professional Advisors available at the Regional Campuses. 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” chapter of the Undergraduate Catalog.

Orlando Campus students may receive supplemental advising on the Regional Campus, in partnership with the College of the major on the Orlando Campus; this will aid the student in taking courses that are offered at the Regional Campus if they are a part of the students’ degree program.
The following section presents information to help students accomplish a smooth and efficient transfer to UCF. Students transferring with an A.A. from a Florida public community college or state university are guaranteed certain rights and privileges according to the statewide Articulation Agreement. Students transferring without an A.A. from a Florida public institution will want to pay particular attention to UCF’s general education program and how their transfer credits apply to their degree requirements.

Students transferring with an A.S. in one of the statewide articulated degree programs should refer to the “Articulated A.S. to B.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 Web site 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 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 undecided, undecided, or changing majors
  - Peer Mentors provide advising and transition assistance by telephone, e-mail, and office appointments
  - Student information and advising HOTLINE 407-823-5959
  - Web site for transfer students (http://transfer.sdes.ucf.edu)
  - Transfer Knights social club; Tau Sigma Transfer Honor Society
  - Orientation advising and assistance
  - Written articulation agreements between UCF and other universities and colleges

How Can a Community College Counselor or Advisor Help Me?
It is important that you are kept informed of all requirements for transferring to UCF. Community college counselors and advisors are provided with information and resources about the requirements to enter each program at 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 Brevard Community College, Lake-Sumter Community College, Seminole Community College, and Valencia Community 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;
- Transfer of all accelerated programs (CLEP, AP, IB, early admission, and dual enrollment courses) within the A.A.; official test scores must be sent to receive UCF course credit;
- Advance knowledge of selection criteria for limited access programs; equal opportunity with UCF native students to enter limited access programs; and,
- All grade forgiveness awarded under the A.A. will be honored.

If you do not complete an A.A. at a Florida public community college or university, you must complete UCF’s general education requirements, which may be considerably different from your previous institution’s requirements. In addition, no grade forgiveness will be honored. All attempted credits will be averaged into your GPA for admission purposes. If you have met all the A.A. requirements except the CLAS, you should have “General Education Requirements 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 If I Have Not Taken the CLAS?

Students may be admitted without completing the College Level Academic Skills requirement. However, without the CLAS completed, you are not awarded the A.A.; privileges provided by the A.A. are not granted, (e.g., grade forgiveness, Gordon Rule, and the completion of general education requirements).

If you have not met the CLAS requirement, you must satisfy all four parts of the CLAS by the time you have completed 36 hours of upper-division course work. UCF accepts the CLAS alternatives and waivers awarded by Florida public community colleges and universities.

Admission requirements have changed for students entering the College of Education. The General Knowledge Test (GKT) of the Florida Teacher Certification Examination (FTCE) may now be used as both an admission and graduation requirement for state-approved teacher preparation programs. The CLAS will continue to be an admission option for students, but does not satisfy graduation requirements. For additional information concerning the CLAS, contact the University Testing Center, 407-823-5109.

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 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. 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 community colleges or state universities, please go to: http://www.facts.org > College Students > Transferring > Common Program Prerequisites.

Transfer Checklist

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<th>Before Completing the A.A. or Articulated A.S.</th>
<th>Immunization</th>
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<tr>
<td>Y___ N___ met with a DirectConnect advisor</td>
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<tr>
<td>Y___ N___ met with counselor or advisor for graduation check</td>
<td>Y___ N___ need immunizations</td>
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<td>Y___ N___</td>
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<td><em><strong>/</strong></em> date of acceptance</td>
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<tr>
<th>Transcripts (original transcript from all institutions attended)</th>
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<td>Y___ N___</td>
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<td>Y___ N___ final transcript sent after term completed</td>
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<td>Y___ N___</td>
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<td><em><strong>/</strong></em> date SCHOLARSHIP application sent</td>
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<td>Y___ N___ “to do” list checked on myUCF</td>
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<td>Y___ N___ reviewed OCSS handbook: Survival Guide for Living off Campus</td>
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<td><em><strong>/</strong></em> date application sent (include deposit when required)</td>
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<th>Orientation:</th>
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<tr>
<td><em><strong>/</strong></em> Orientation date at UCF</td>
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Transfer and Transition Services

Prerequisite Manual. 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 deferrals, 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 public community college that has signed an articulation agreement with The Burnett Honors College will be admitted into University Honors with junior standing. Community college 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 Web site at http://honors.ucf.edu.

Transfer Tips:

Office Visits for Transfer Advising

- Students are encouraged to contact Transfer and Transition Services with questions or to schedule an appointment to meet with an advisor. Advisors are available Monday and Thursday, 8:30 a.m. to 5:30 p.m., Tuesday, Wednesday, and Friday 8:30 a.m. to 4:30 p.m.
- Transfer students accepted to UCF who are undeclared majors or are undecided about their major should contact Transfer and Transition Services prior to Orientation for advisement.
- Undeclared students with 45+ credit hours are placed on advising hold.

Students should:

- Submit your application 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 “Student Health Form.” Registration is not allowed without the completion and approval of this form.
- Complete CLAS if possible; however, you can be admitted without it. Since the A.A. is not awarded without completion of CLAS, privileges provided by the A.A. are not granted (i.e., grade forgiveness, Gordon Rule, and the completion of general education requirements). Without completion of CLAS, but with all general education courses completed, you should request the following statement placed on your transcript: “General Education Requirements Met.” Without this statement, you must satisfy UCF’s general education requirements (including Gordon Rule courses).
- 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.
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 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 no 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 this section;
- Fulfill the CLAST requirement;
- 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 provisions of any UCF Undergraduate Catalog in effect since the student began continuous enrollment at UCF. New Catalog policies and requirements take effect with the Summer term. A student transferring from Florida public community colleges, state colleges, or state universities may 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 such a change; if a student desires to change the catalog with a GPA of 2.0 or better. UCF will accept a similar statement on transcripts received from Florida public community colleges 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 deepen an 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 principals 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 techniques 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. 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 institutions.
- 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.

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.

Curriculum

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 needed 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 public community colleges 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.
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 (PH 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 (two high school units in the same language) 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:**

1. Six hours of mathematics at the level of college algebra or higher
2. Statistics or computer science
3. Six hours of English coursework
4. Six hours of English Composition

Any 3000-level or above course in mathematics, statistics, or computer science also may be used toward fulfillment of the mathematics portion of the “Gordon Rule” Requirement.

General Education courses that apply to the Gordon Rule Writing Requirement:

- ENC 1101 Composition I
- ENC 1102 Composition II
- LIT 2110 World Literature I
- LIT 2120 World Literature II
- AMH 2010 US History: 1492-1877
- AMH 2020 U.S. History: 1877-Present
- EEU 2000 Western Civilization I
- EEU 2001 Western Civilization II
- HUM 2210 Humanistic Tradition I
- HUM 2220 Humanistic Tradition II
- WOH 2012 World Civilization I
- WOH 2022 World Civilization II
- GEO 1000 Honors US History: 1492 - 1877
- GEO 3402 History of the South to 1865
- GEO 3403 History of the South Since 1865
- GEO 3441 History of the Frontier: Eastern America
- GEO 3442 History of the Frontier: Western America
- GEO 3541 U. S. Military History To 1900
- GEO 3561 Women in American History I
- GEO 3571 Black American History I
- GEO 3800 Canadian History
- GEO 4110 Colonial America, 1607-1763
- GEO 4130 The Age of the American Revolution, 1763-1789
- GEO 4180 Jacksonian America
- GEO 4201 The Gilded Age and Progressivism
- GEO 4270 United States History: 1939-1960
- AML 3031 American Literature I
- AML 3041 American Literature II
- AML 3283 Contemporary American Women's Fiction

Non-Gen Ed courses that also apply to the Gordon Rule Writing Requirement:

- ENC 1101 Composition I
- ENC 1102 Composition II
- LIT 2110 World Literature I
- LIT 2120 World Literature II
- AMH 2010 US History: 1492-1877
- AMH 2020 U.S. History: 1877-Present
- EEU 2000 Western Civilization I
- EEU 2001 Western Civilization II
- HUM 2210 Humanistic Tradition I
- HUM 2220 Humanistic Tradition II
- WOH 2012 World Civilization I
- WOH 2022 World Civilization II
- GEO 1000 Honors US History: 1492 - 1877
- GEO 3402 History of the South to 1865
- GEO 3403 History of the South Since 1865
- GEO 3441 History of the Frontier: Eastern America
- GEO 3442 History of the Frontier: Western America
- GEO 3541 U. S. Military History To 1900
- GEO 3561 Women in American History I
- GEO 3571 Black American History I
- GEO 3800 Canadian History
- GEO 4110 Colonial America, 1607-1763
- GEO 4130 The Age of the American Revolution, 1763-1789
- GEO 4180 Jacksonian America
- GEO 4201 The Gilded Age and Progressivism
- GEO 4270 United States History: 1939-1960
- AML 3031 American Literature I
- AML 3041 American Literature II
- AML 3283 Contemporary American Women's Fiction
Undergraduate Degree Requirements

A M L 326 E - Early American Women's Words
A M L 361 E - Topics in African-American Literature
A M L 381 E - Harlem, Haiti, and Havana
A M L 384 E - Contemporary American Prose and Poetry
A M L 368 E - Ethnic Literature in America
A M L 368 H - Honors Ethnic Literature in America
A M L 410 E - American Novel
A M L 415 E - American Poetry at Mid-Century
A M L 415 E - Modern American Poetry
A M L 426 E - Literature of the South
A M L 426 F - Florida Writers
A M L 430 H - Major American Authors
A M L 430 E - Whitman and His Heirs
A M L 432 E - Modern American Literature
A M L 463 E - Latino/Latina Literature
A N T 318 E - Mesoamerican Archaeology
A R H 445 E - 20th Century Art
A R H 480 E - Theory and Criticism of the Visual Arts
D A N 313 E - Dance History I
E A S 470 E C - Aerospace Design I
E G N 441 2 - Interdisciplinary Design I
E M L 450 1 C - Engineering Design I
E N C 110 H - Honors Freshman Composition I
E N C 110 H 2 - Honors Freshman Composition II
E N C 212 E - Grammar and Composition
E N C 221 0 - Writing for the Business Professional
E N C 241 1 C - Digital Literacy for the Liberal Arts
E N C 321 E - Theory and Practice of Technical Writing
E N C 321 1 H - Honors Theory and Practice of Technical Writing
E N C 324 E - Writing for the Technical Professional
E N C 324 1 H - Honors Writing for the Technical Professional
E N C 325 0 - Professional Writing
E N C 331 0 - Magazine Writing I
E N C 331 1 - Advanced Expository Writing
E N C 390 E - Directed Experience in Writing
E N C 394 2 - Journal Writing Practicum
E N C 421 5 - Technical Publication and Project Management
E N C 421 8 - The Visual in Technical Documentation
E N C 426 E - International Technical Communication
E N C 426 5 - Writing for the Computer Industry
E N C 428 E - Technical Writing Style
E N C 428 0 - Usability Testing for Technical Communication
E N C 429 E - Documentation and the Collaborative Process
E N C 429 4 - Documentation and Client-Based Collaboration
E N C 431 3 - Research Writing
E N C 436 0 - Nature Writing
E N C 441 4 - Writing and Hypertext
E N C 491 0 - Practical Criticism
E N C 491 4 - Theories and Techniques of Literature Study
E N C 491 3 - Cultural Studies Literature
E N C 491 4 - Literature and Film
E N C 491 4 - Discourse of Global Culture Studies
E N C 491 2 - English Literature I
E N C 491 2 - English Literature II
E N C 495 1 - Orlando Shakespeare Festival
E N C 495 1 H - Honors Orlando Shakespeare Festival
E N C 492 0 - English Renaissance Poetry and Prose
E N C 492 0 - 18th Century Studies
E N C 492 0 - English Romantic Writers
E N C 492 3 - The Victorian Age: Poetry
E N C 492 6 - Nineteenth Century British Prose
E N C 493 0 - British Authors
E N C 493 1 - Chaucer
E N C 493 3 - Shakespeare Studies
E U H 200 0 H - Honors Western Civilization I
E U H 312 2 - Medieval Society and Civilization
E U H 314 2 - Renaissance and Reformations
E U H 324 2 - Modern Europe and the First World War
E U H 328 1 - Second World War and the Rebirth of Europe
E U H 345 1 - History of Modern France
E U H 428 4 - Fascism and the Totalitarian Dictatorships
E U H 446 5 - Hitler's Third Reich
E U H 450 0 - English History to 1485
E U H 450 1 - English History: 1485-1815
E U H 450 2 - British History: 1815-Present
E U H 457 1 - History of Russia to 1801
E U H 457 4 - History of Russia: 1801-1917
E U H 457 6 - History of Russia in the 20th Century
E U H 462 0 - European Great Powers: 1815-1914
H I S 415 0 - History and Historians
H U M 221 2 H - Honors Humanistic Tradition I
H U M 332 0 - Contemporary Multicultural Studies
H U M 339 4 - Representations of Place and Space
H U M 340 1 - Asian Humanities
H U M 343 1 - Ancient Humanities

H U M 346 0 - Latin American Humanities
H U M 355 3 - Moses, Jesus and Muhammad
J O U 210 0 C - News Reporting
J O U 310 1 - Advanced Reporting
J O U 418 1 - Public Affairs Reporting
J O U 430 0 - Feature Writing
J O U 430 6 C - Critical Writing
J O U 430 8 - Freelance Writing
L A H 320 0 - Latin American History II
L A H 340 0 - History of Mexico and Central America
L A H 347 0 - History of the Caribbean
L I T 200 0 - Introduction to Literary Interpretation
L I T 212 0 H - Honors World Literature II
L I T 308 2 - Continental European Fiction Since 1900
L I T 319 2 - Caribbean Literature
L I T 319 2 H - Honors Caribbean Literature
L I T 320 2 - Death and Dying
L I T 331 3 - Science Fiction Literature
L I T 331 H - Honors Science Fiction Literature
L I T 338 1 - Women Writers of Color
L I T 338 3 - Women in Literature
L I T 338 3 H - Honors Science Fiction Literature
L I T 443 3 - Literature of Science and Technology
L I T 454 4 - Advanced Feminist Theories
L I T 493 7 H - English Honors Seminar
P A D 403 4 - The Administration of Public Policy
P A D 472 0 - Survey Research in Public Administration
P H H 310 0 - Ancient Philosophy
P H H 320 0 - Medieval Philosophy
P H H 346 0 - Modern Western Philosophy
P H H 370 0 - American Philosophy
P H I 306 3 - Research Methods in Philosophy
P H I 332 3 - Minds and Machines: Philosophy of Cognitive Science
P H I 345 1 - Philosophy of Psychology
P H I 367 0 - Ethical Theory
P H I 380 0 - Aesthetics
P H I 380 5 - Contemporary Aesthetics
P H I 422 1 - Philosophy of Language
P H I 432 1 - Philosophies of Embodiment: Mind/Body/Self
P H I 434 1 - Ways of Knowing
P H I 450 0 - Metaphysics
P H I 480 4 - Critical Theory
P H I 493 1 - Philosophy in the News
P H M 340 1 - Philosophy of Law
P H P 478 2 - Phenomenology
P L A 315 5 - Legal Writing
P L A 493 5 - Capstone: Legal Issues
R E L 313 1 - Religion in America
R E L 343 2 - Roots of Western Mysticism
R T V 440 3 - Electronic Media, Technology, and Society
S O W 423 2 - Social Welfare Policies and Issues
S O W 434 1 - Micro-Level Roles and Interventions in Social Work
T H E 230 4 - Script Analysis
T P A 494 0 - Technical Theatre/Design Internship
T P P 331 0 C - Directing for Theatre I
T P P 494 0 L - Theatre Internship
W O H 201 2 H - Honors World Civilization I
College Level Academic Skills (CLAS) Requirement

The College Level Academic Skills (CLAS) requirement is part of Florida’s system of educational accountability that measures a student’s attainment of the college-level communication and mathematics skills commensurate with successful completion of lower division course work identified by the faculties of community colleges and state universities through the College-Level Academic Skills Project (CLASP).

Since August 1, 1984, students in public postsecondary institutions in Florida have been required to meet CLAS requirement for the award of an Associate of Arts degree, for admission to upper-division status and the award of a baccalaureate degree in a state university in Florida. Prior to July 1, 2009, students could meet the CLAS requirement by taking the CLAST (College Level Academic Skills Test) exam, or the alternative methods of ACT, SAT, or coursework. Effective July 1, 2009 the CLAST exam was no longer administered. Recent Florida legislation, Senate Bill 1676, repealed the use of the CLAST to measure the CLAS requirement. However, the CLAS requirement does remain in effect. All scores earned prior to July 1, 2009 will still be valid.

Current options for students who still need to satisfy the CLAS requirement are (subject to Florida legislative changes):

- Achieving a score that meets or exceeds a minimum required score on the CLAST exam prior to July 1, 2009
- Achieving a score that meets or exceeds a minimum score on a nationally standardized exam (SAT and ACT)
- Achieving a 2.5 GPA in applicable coursework

SAT Scores: A student who scores 500 or above on the on the quantitative section of the SAT is exempt from the Math section. A student who scores 500 or above on the verbal section of the SAT is exempt from the Essay, English Language Skills, and Reading sections.

ACT Scores: A student who earns a score of 21 or above on the Math section of the ACT is exempt from the Math section. A student who earns a score of 22 or above on the Reading section of the ACT is exempt from the Reading section of the CLAS requirement. A student who earns a score of 21 or above on the English section is exempt from the English Language Skills and Essay sections.

Coursework

- Students must earn a 2.5 GPA in a minimum of 6 credit hours in a combination of at least one (1) course with the ENC prefix and any other course, except those with the SPC prefix that is designated as a “Gordon Rule” writing course in order to be exempt from the Essay, English Language Skills, and Reading sections of the CLAS requirement. (Refer to the Undergraduate Catalog for a complete list of Gordon Rule courses.)
- Students must have a 2.5 GPA in a minimum of 6 credit hours in any combination of two (2) applicable math courses, including any Gordon Rule Statistics course in order to be exempt from the Math section of the CLAS requirement. (Refer to the UTC website at http://www.testing.sdes.ucf.edu/clasoptions.php for a complete list of applicable math courses. Refer to the Undergraduate Catalog for a complete list of Gordon Rule courses.)

Students must complete the CLAS requirement prior to the end of their sophomore year in college. An appeal to temporarily remove the CLAS hold and continue enrollment in upper division courses may be submitted to the CLAS Requirement Petition Committee (PH 106). In order to be eligible to apply for the petition you must meet one or more conditions. Academic advising offices can answer questions students may have regarding the CLAS Requirement. There are several methods by which students may meet this requirement, but applicants for teacher certification must check with the College of Education in order to determine what requirement you need to meet. Additional information regarding the CLAS requirement may be obtained from the University Testing Center (PH 106) or online at http://www.testing.sdes.ucf.edu.

Students with 60 or more credit hours who have not met the CLAS requirement may experience delayed course registration. Students who have not met the CLAS requirement by the time they have reached 36 hours or more of upper division credit including earned, in progress, or registered for in future terms will be prohibited from registering until the requirement is met.

Transfer Students with 60 or more credit hour who have not met the CLAS requirement may be admitted, but must take the ACT or SAT during their first semester at UCF. Transfer students with 60 or more credit hours may experience delayed course registration. Transfer students who have not met the CLAS Requirement by the time they have reached 36 hours or more of upper division credit including earned, in progress, or registered for in future terms will be prohibited from registering until the requirement is met.

CLAS Waiver

The State Board of Education and the Florida Statutes permit an institution president, under certain conditions, to grant a waiver for one or more portions of the CLAS requirement. Those who are unable to satisfy the CLAS requirement due to disability can request that a section be waived. The student must be registered with Student Disability Services (FC 132) and have on file documentation of his/her disability. The CLAS Waiver Committee reviews all requests for waivers on a case-by-case basis. For disability registration information, contact Student Disability Services at 407-823-2371. To obtain information about the CLAS requirement Waiver, please visit the Student Development and Enrollment Services CLAS Waiver website at http://www.clauswaiver.sdes.ucf.edu. UTC is not responsible for the CLAS requirement Waiver process.

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. Courses taken at UTC are considered toward the degree only for the semester during which the student receives a “W” or “F” may be counted toward this requirement. Credit earned by acceleration mechanisms also applies toward satisfaction of the Summer Attendance Requirement. Petition forms for exemption are available from Academic Services (MH 210).

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. Passing scores on three of the four parts of the CLAST; and,
4. 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 Registry. Students must be enrolled in any class time during the term of graduation. Graduates may contact the Registrar’s Office for Commencement ceremony and guest ticket information or refer to http://www.registrar.sdes.ucf.edu/commencement.

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 e-mail). 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 earn any credit 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.
Double Majors
- A student may earn one degree, a BA or BS, with two majors, by completing the requirements for both majors. One diploma will be awarded with both majors indicated. 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. The university Catalog will stipulate combinations of degrees within colleges that are not allowed.
- 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 CLAST, 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 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 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 I and Fall Registrations begin during the last week of the Spring semester. Class listings are available only online through the Class Schedule and Course Catalog Search at [https://my.ucf.edu](http://my.ucf.edu) or in the college advising offices. The dates and times for each registration period are included in the "Academic Calendar" on the [Registrar's Office web page](http://www.registrar.ucf.edu/calendar/academic/).

**Web Enrollment Guide**
The Web Enrollment Guide is maintained online. It provides the official "Academic Calendar" and describes the policies and procedures governing registration each term. The Guide is available on the Registrar's Office web page at [http://www.registrar.ucf.edu/web/](http://www.registrar.ucf.edu/web/).

**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 semester hour of credit is based on 150 contact hours of work (or two or more laboratory hours of work) per week for a semester. Classes may be offered for a six-week or nine-week session during the Summer term. During this shortened term, two class hours of work (or four or more laboratory hours of work) per week are required to represent a semester hour of credit.

**Undergraduate Enrollment Status**

<table>
<thead>
<tr>
<th>Status</th>
<th>Full Time Credits</th>
<th>Three Quarter Time</th>
<th>Half Time Credits</th>
<th>Less Than Half Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Credit Hours</td>
<td>12 or more</td>
<td>9-11</td>
<td>6-8</td>
<td>less than 6</td>
</tr>
</tbody>
</table>

**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, students entering a Florida community college, state college, or state university for the first time in Fall, 2009, and thereafter, will be subject to the state statute on excess hours which could result in a surcharge on tuition. This charge will be applied for each 12 credit hour or credit hour of excess hours. For example, 120 credit hours is the required number required to complete the baccalaureate degree program. For instance, if the degree program requires 120 credit hours, an excess hours charge will begin if a student goes beyond 144 credit hours. Students should regularly review their degree audits and consult with an academic advisor to make sure they are not enrolling in excess courses. More detailed explanation of the excess hour rules can be found on the University Registrar’s Office web site at [http://registrar.sdes.ucf.edu](http://registrar.sdes.ucf.edu).

**Holds**
A hold (negative service indicator) may be placed on a student’s records, 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](http://my.ucf.edu) under the Student Self Service link. To obtain a release for financial holds, payment 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](http://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 classes, may enroll tuition free as Academic credit. Regular tuition and fees are assessed for Audit registration. See the “Regulations” section of the Undergraduate Catalog. Audit registration is on a space-available basis during 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 must not change to Audit status after Late Registration and Add. Students must still be enrolled 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 Web site (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.

**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 credit). Forms to include the “Residency Affidavit,” 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 web site: [http://www.registrar.ucf.edu](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://www.registrar.ucf.edu/calendar/academic/](http://www.registrar.ucf.edu/calendar/academic/). Direct student expenses after the completion of registration include the campus ID card, vehicle registration and textbooks.

**State of Florida Employee & 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 basis only basis on the last day of Registration each term at the time specified on the “Academic Calendar” online at [http://www.registrar.ucf.edu/calendar/academic/](http://www.registrar.ucf.edu/calendar/academic/). For waiver eligibility and application information, see “Tuition Waivers” within “Financial Information” of the Undergraduate Catalog.

**State Tuition Exemption Program (STEP) (National Guard) Registration**
State Tuition Exemption Program (STEP-National Guard) students register on a space-available basis during the last hour of registration as noted in the “Academic Calendar” online at [http://www.registrar.ucf.edu/calendar/academic/](http://www.registrar.ucf.edu/calendar/academic/). STEP students must present a “Certification” letter to the Student Accounts Office (MH 107) to register for tuition waiver. Registration before the time specified in the “Academic Calendar” online at [http://www.registrar.ucf.edu/calendar/academic/](http://www.registrar.ucf.edu/calendar/academic/) 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 labs, thesis hours, 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 with UCF. Students must complete the “SUS Transient Application Form” which is available online at [http://www.facts.org](http://www.facts.org). No application fee is required. The “SUS Transient Application Form” must be completed each term and submitted online or delivered to the Registrar’s Office (MH 161), by the application deadline noted in the “Academic Calendar” online at [http://www.registrar.ucf.edu/calendar/academic/](http://www.registrar.ucf.edu/calendar/academic/). Students should visit the Registrar’s Office Web site at [http://www.registrar.ucf.edu](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 as a Transient Student are encouraged to complete the “Transient
Student Form” online, which is available on the FACTS Web site at http://www.facts.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 UCF’s 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 transient approval 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 course work 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. Student seeking transient status must complete the “Transient Approval Form,” available from the college or school advising office or at http://www.facts.org and must submit the completed, approved and signed form to the Registrar’s Office (MH 161). Transient credit cannot be used to reduce the last 30 semester hour residency requirement for a baccalaureate degree, the last 6 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.degreeverify.org. 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
Withdrawal for each term begins after the drop deadline. Students remain fee liable for any classes from which they withdraw. Students may withdraw from a class and receive the notation of “W” until the deadline noted in the “Academic Calendar” online at http://www.registrar.ucf.edu/calendar/academic. A student may withdraw from courses using myUCF at https://my.ucf.edu, or by visiting the Registrar’s Office (MH 161), certain college advising offices, or a Regional Campus records office. Students may withdraw by fax at 407-823-5669. Fax requests must be received by 5:00 p.m. on the last day to day and must include the student’s identification number, the course(s) from which to be withdrawn and his or her signature. Students may also mail a written request 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 request and must provide photo identification. The official date of withdrawal is the date the University receives the request. Requests received by mail are processed using the postmark as the official date of withdrawal. Withdrawing from classes may have financial aid, NCAA eligibility or international visa consequences. Students should seek appropriate advisement prior to withdrawing from a class. If a student withdraws from courses after the intent of not returning to UCF, they may also drop entire courses for any future terms or be fee liable and receive a grade.

A student is not automatically withdrawn from a class for not attending, nor can an instructor withdraw a student from a class.
No withdrawal is permitted after the withdrawal deadline 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 view the Academic Services Web site at http://www.academicservices.ucf.edu/academic_record/ and consult Academic Services (MH 210). Students who are granted a late withdrawal are not eligible for a passing grade from the instructor of the course. If the student was passing, a “WP” will be recorded on the student’s permanent record; if failing, a “WF” will be entered which will be applied to the Grade Point Average. Late withdrawals normally are for all courses taken in the term.

Students who seek a withdrawal because they are ill must apply for a medical withdrawal following the medical withdrawal procedure. All requested forms must be submitted to initiate the review process. The student’s physician provides the University with the appropriate medical information, using the forms available in the Office of Academic Services (MH 210). A medical withdrawal must be for all classes in the term. Medical withdrawals can only be approved in cases where the student is unable to finish the term.
If a medical withdrawal is approved, a “WM” will be recorded for each course. Students who receive a medical withdrawal will be placed on hold for any subsequent semester until the University can determine that the student is ready to return. If a medical withdrawal is approved, it is expected that the student not enroll at the University in the immediate subsequent term, but will use that time to address the medical condition that necessitated the withdrawal. It is the student’s responsibility to drop all courses for any future term or be fee liable. If a medical withdrawal is not approved, the request may be approved as a late withdrawal and grades of “WF” or “W” will be recorded. A grade of “WF” will affect the calculation of the student’s grade point average.

Students who apply for a medical withdrawal after the next semester has already begun may be dropped from their courses because there is no evidence that they have addressed the medical condition for which the withdrawal was requested.

Following the close of the Late Registration and Drop/ Swap period each term, students withdrawing from courses will incur both grade and fee liability. Students with circumstances determined by the University to be exceptional and beyond their control may apply for a cancellation of enrollment and an elimination of fee liability. Exceptional circumstances include, but are not limited to documented sickness, death, involuntary call to military service, or administrative errors created by the University. Students must submit a petition and all supporting documentation for a Late Drop of all courses to Academic Services (MH 210) within six months of the end of the term for which the Late Drop is sought.
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.

Withdrawal and Academic Behavior Violations
Should an alleged violation of academic behavior standards arise before the withdrawal deadline in a term, the instructor shall notify the student and either party 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. 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</th>
<th>Grade Point Equivalent</th>
<th>Semester Hour of Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>4.00</td>
<td>3.00</td>
</tr>
<tr>
<td>A-</td>
<td>3.75</td>
<td>2.75</td>
</tr>
<tr>
<td>B+</td>
<td>3.25</td>
<td>2.25</td>
</tr>
<tr>
<td>B</td>
<td>3.00</td>
<td>2.00</td>
</tr>
<tr>
<td>B-</td>
<td>2.75</td>
<td>1.75</td>
</tr>
<tr>
<td>C+</td>
<td>2.25</td>
<td>1.25</td>
</tr>
<tr>
<td>C</td>
<td>2.00</td>
<td>1.00</td>
</tr>
<tr>
<td>C-</td>
<td>1.75</td>
<td>0.75</td>
</tr>
<tr>
<td>D+</td>
<td>1.25</td>
<td>0.00</td>
</tr>
<tr>
<td>D</td>
<td>1.00</td>
<td>NC - No Credit</td>
</tr>
</tbody>
</table>

NC - No Credit
Grade Change

A grade change is the change of any originally assigned grade to another grade, including grades of “I” and grades earned by administrative withdrawals. GPA is recalculated after the grade change. Grade changes other than 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 status 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 or from the UCF kiosks where a hard copy of grades per term may be printed via the “Print” browser function.

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 that 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 Program Director shall be filed with the Office of Student Rights and Responsibilities. 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/.

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 classroom. 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.

Academic Regulations and Procedures

The Grade Point Average (GPA) is the average number of grade points per semester hour attempted. GPA is calculated 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 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 course. 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:

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

UCF Cumulative GPA. If prior to this term the student had earned a total of 162 grade points for a combined 54 term hours of coursework, his or her cumulative grade point average entering this term would be 162/54 = 3.00. Including this term of coursework, the cumulative grade point average would be (162 + 46) / (54 + 13) = 3.10.

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, and when all requirements can be completed in a short time following the end of the term. When an instructor assigns an “I” grade for a course, the student is notified by e-mail 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”.

Legend Action Grade Points

<table>
<thead>
<tr>
<th>Legend</th>
<th>Action</th>
<th>Grade Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>Incomplete</td>
<td>-</td>
</tr>
<tr>
<td>N</td>
<td>No grade reported by instructor (followed by grade)</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</td>
<td>-</td>
</tr>
<tr>
<td>T</td>
<td>(Research, Thesis, or Dissertation) (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 Withdrawal</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>X</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 faculty by the grade submission deadline. The designator may not be assigned by the instructor.

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

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<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 Withdrawal</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>X</td>
<td>Audit (no credit)</td>
<td>-</td>
</tr>
</tbody>
</table>
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 all of 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. By obtaining a minimum 2.0 GPA (“C” average) at the end of the first term of attendance, the provisional status will be removed. Earning less than a “C” (2.0) average the first term would result in disqualification.

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**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 an overall grade point average (this includes transfer credit) that is in the upper 10 percent of the range established by all students graduating in the same college/school during the previous two years;
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://www.registrar.ucf.edu/calendar/academic/ 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 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. Requests 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://www.registrar.ucf.edu/calendar/academic/. 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 an “R” 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;
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;
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 grant Grade Forgiveness in courses transferred from another institution unless the student is a Florida resident. Grade Forgiveness is not granted in courses transferred from outside Florida. A student on Academic Probation is Disqualified upon failure to meet graduation requirements, unless the student has transferred to an approved regionally accredited Florida college or University and included those courses in the transfer of an AA or Associate in Science degree. The action is generated due to course completion. A student who has repeated two or more courses at a Florida Public Community College 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;

8. Due to the two-course limit, a student who has repeated two or more courses at a Florida Public Community College 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. 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 course grade 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 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, CLAST, 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 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 public community college 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 at the Registrar's Office or online at http://www.registrar.ucf.edu. If the student has attended another regionally accredited institution since leaving UCF, the student must request an official transcript 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 a 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 residency 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.
Academic Regulations and Procedures

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 disqualification. 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; and
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-8.001(4): “Applicants denied admission shall be given notice of the denial within a reasonable period of time 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; 3) students requesting to continue in school, but who have failed to meet CLAS requirements; and 4) 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 is ineligible for readmission or has been denied readmission has thirty (30) days from the date of the denial to appeal for an exception to University policy to the Admissions and Standards Committee. The appealing student must satisfy the following requirements before the Registrar’s Office will forward the appeal to the Committee:

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 ten stapled packets of appellant 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,
   e. Degree Audit obtained from myUCF at https://my.ucf.edu).

Exempting students who have not completed the required suspension period, the appellant will be afforded the opportunity to personally appear before the Committee before it renders a decision.

Upon receipt of both the appeal and all required supporting documentation, the Admissions and Standards Committee will render a decision. The decision of the Admissions and Standards Committee is 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.

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;
   c. Any additional requirements mandated by the college advising office (i.e., academic advising or mentoring, required tutoring or academic support services, etc.);
   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. The student will be required to appear before the Admissions and Standards Committee.


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 and determine conditions for the individual’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 supporting documentation to the appropriate UCF office. Attach to the form a copy of a legal name change document (e.g., marriage certificate, divorce decree, etc.). Undergraduate students must submit the form to the Registrar’s Office (MH 161). Graduate students must submit the form to the Graduate Studies Office (MH 230). Current UCF employees and those students who have been UCF employees within 12 months of the date the name change is requested must submit the form to the Human Resources Office (12565 Research Parkway). The “Change of Name” form is available from the Registrar’s Office at MH 161 or online at http://www.registrar.ucf.edu.

Address and E-Mail Changes

The student’s address is initially obtained from the “Application for Admission or Readmission.” It is the students’ responsibility to make appropriate changes to the address online at myUCF as they occur. Address and e-mail changes also can be made by writing the Registrar’s Office, P.O. Box 160114, Orlando, FL 32816-0114 or fax to 407-823-5652. Written requests must be signed and the student identification number provided.

Request Transcripts

Requests for official transcripts are made online via myUCF (https://my.ucf.edu), through the Registrar’s Office in person, or by mail. “Transcript Request Forms” are also available on the Registrar’s Office Web site at http://www.registrar.ucf.edu/forms/transcript_request/. A student’s academic record can be released only upon written authorization signed by the student. Telephone and e-mail requests are not accepted. Transcripts cannot be released if the student is on Hold due to a financial obligation to the University. Transcript requests must include the student’s signature, full name, identification number, and the name and complete address of the person(s) or organizations to whom transcripts are to be sent. If final grades or degree statement are needed, indicate that the transcript request is to be held until all requested data are posted.

A $10 per transcript charge is assessed for each transcript request. Payment for official transcripts is required at the time of request and may be satisfied by credit card, cash, check or money order (made payable to UCF), or UCF Card. Requests received by mail must be accompanied by a check, money order, or credit card information (i.e., card type, card number, 3-digit Security Number, expiration date, and the name to which the card is registered.) Cash payments can be accepted only by the Cashier’s Office during that office’s regular business hours. The UCF Card payment option is available only at the main Orlando campus and must be made in person at the Registrar’s Office (MH 161). Mail written requests for transcripts to: Registrar’s Office, Attn: Transcripts, P. O. Box 160114, Orlando, FL 32816-0114. Requests require at least 2 business days to process. Transcripts not claimed with 30 days of printing will be discarded and must be reordered. A $10.00 per reordered transcript fee must be submitted with the reorder request. Grades are available from myUCF at https://my.ucf.edu.

Third Attempt Course Repeat Surcharges

All students enrolled in undergraduate courses for the Fall 1997 term and beyond are subject to an additional surcharge fee when they enroll in the same undergraduate college credit course three or more times. Repeated courses, withdrawals, and courses with incomplete grades are counted as attempts, including courses repeated in order to raise the GPA or to achieve a specific grade. Courses that specify they may be repeated for credit are exempt. Students seeking exemptions for extenuating circumstances or financial hardship may submit a written petition with documentation to the Fee Appeals Committee, Student Accounts Office (MH 107).

Exemptions to the third attempt surcharge will be considered through a Fee Appeal Process.

Exceptions to the repeat course fee requirement shall be based only on extenuating circumstances, or financial hardship.

Extenuating Circumstances

Those circumstances determined by the University to be exceptional and beyond the control of the student. These may include, but not be limited to, the following:
Majors
The University assigns the major that the student indicated on the "Application for Admission or Readmission." It is the student's responsibility to make appropriate major changes. Students who change majors between different colleges must adopt the most current Catalog. Students changing from a declared major to an "Undeclared" or "Undecided" major also must adopt the most current Catalog. For each of these students, the University automatically will update the Catalog year when processing the change in major. Students may retain their Catalog when changing tracks/concentrations within the same major (e.g., English: Literature to English: Creative Writing), or when moving from a "Pending" category to the equivalent major (e.g., "Business Pending" to "Accounting"). If the new major is a different subject from the "pending" major (e.g., "Business Pending" to "History"), the student must adopt the most current Catalog and the University automatically will update the Catalog year when processing the change in major. If they have not interrupted residency, students entering UCF in an "Undeclared" or "Undecided" category may retain their Catalog when initially selecting a major. The "Undergraduate Major Change Form" is available at the college and school advising offices. Forms may be submitted in person to the college/advising offices, by mail, or in person to the Registrar's Office (MH 161). Requests must include the student's identification number and signature.

Minors
A Minor is a complement to a bachelor's degree program/major requiring at least 15 credit hours. 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 the same UCF Undergraduate Catalog for which a student is eligible. The Undergraduate Certification form is available at the college advising offices.

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. The Undergraduate Certification form is available at the college advising offices.

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 45 days of the student's written request. Students should submit to the University Registrar, dean, head of academic department, or other appropriate official, written requests that identify the record(s) they desire to inspect. The University official will arrange a time and place for the student to review the record. If the student requests that the University correct a record, the University official will notify 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;

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 the record that he or she believes is inaccurate or misleading. The student should write the University official responsible for the record, clearly identifying the part of the record to be corrected, and specifying 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 student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks. A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional 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. In accordance with Florida Statutes Section 22B.093, the University is required to release student directory information to independent vendors upon request. Directory information at UCF includes:

- name
- current mailing address
- telephone number
- date of birth
- major field of study


All other student information will be released in accordance with FERPA; in most cases this requires the student's prior written and signed consent. The University extends to students the opportunity to withhold any or all information, including “directory information.” Students can do this online at myUCF or complete the “Directory Disclosure/Release Authorization” form available at the Registrar's Office (MH 161) or at http://www.registrar.ucf.edu, requesting that this information be withheld. The Golden Rule outlines the University procedures for confidentiality. For additional information describing FERPA policy, enter the Department of Education Family Policy Compliance Office Web site at http://www.ed.gov/offices/OM/fpco/.

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 161) 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. Credit earned by acceleration mechanisms also applies toward satisfaction of the Summer Attendance Requirement. 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 sub-test areas 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 2220) 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 2220 and 2221) 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 (AP)

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<tr>
<th>Exam</th>
<th>Score of 3</th>
<th>Score of 4</th>
<th>Score of 5</th>
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<td>GER 2200 and 2201</td>
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<tr>
<td>Government and Politics: Comparative</td>
<td>GPO 1002</td>
<td>GPO 1002</td>
<td>Same as 3</td>
<td>SOC Found 1</td>
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<td>Government and Politics: United States</td>
<td>POS 2041</td>
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<td>ITA 2200</td>
<td>ITA 2200 and 2201</td>
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<tr>
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<td>Latin: Vergil</td>
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<td>Music Theory</td>
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<td>SOC Found 1</td>
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<td>Physics B</td>
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<td>PHY 2053C and 2054C</td>
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<td>Physics C: Electricity/Magnetism</td>
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<td>PHY 2048C</td>
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<td>Physics C: Mechanics</td>
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<td>PHY 2048C</td>
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<td>PSY 2012</td>
<td>PSY 2012</td>
<td>Same as 3</td>
<td>SOC Found 2</td>
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<tr>
<td>Russian Language &amp; Culture</td>
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<td>RUS 2230 and 2231</td>
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<td>Spanish Language</td>
<td>SPN 2230</td>
<td>SPN 2230 and 2231</td>
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<tr>
<td>Studio Art: Drawing Portfolio</td>
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<td>ART 2300C</td>
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<td>Studio Art: 2-D Design Portfolio</td>
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<td>MAT Found 2</td>
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<td>Studio Art: 3-D Design Portfolio</td>
<td>ART 2201C</td>
<td>ART 2201C</td>
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<td>AMH 2010 and 2020</td>
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<td>CUL &amp; HIS Found 1 &amp; 3</td>
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<td>CUL &amp; HIS Found 1 &amp; 3</td>
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If the student has previous credit for ENC 1101 and ENC 1102, credit will be awarded for LIT 1005.
### Academic Regulations And Procedures

#### 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.

#### 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.

### International Baccalaureate

<table>
<thead>
<tr>
<th>Exam</th>
<th>Score of 4</th>
<th>Score 5-7</th>
<th>GEP Usage</th>
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<tbody>
<tr>
<td>Biology</td>
<td>BSC 1005/1005L</td>
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<td>BSC 1059/1059 L and BSC 2010C</td>
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<td>Business Management</td>
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<td>GEB 2011 and 2095</td>
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<tr>
<td>Chemistry</td>
<td>CHM 1000 and 1020</td>
<td>MAT Found 2</td>
<td>CHM 3020/3020L and CHM 2045C</td>
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<td>Computer Science</td>
<td>CGS 1078</td>
<td>MAT Found 2</td>
<td>CGS 1078 and 1096</td>
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<tr>
<td>Design Technology</td>
<td>ETI 1410</td>
<td>ETI 1400 and 1906</td>
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<tr>
<td>Economics</td>
<td>ECO 1000</td>
<td>ECO 2013 and 2023</td>
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<tr>
<td>Ecosystems and Societies</td>
<td>EVR 1017</td>
<td>EVR 1017 and 1906</td>
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<tr>
<td>English A1</td>
<td>ENC 1101</td>
<td>ENC 1101 and 1102</td>
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<tr>
<td>Environmental Systems</td>
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<td>ISC 1050 and 1906</td>
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<td>FIL 1001</td>
<td>FIL 1001 and 1002</td>
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<td>FRE 1121C and 2200</td>
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<td>Geography</td>
<td>GEA 1000</td>
<td>GEO 1200 and 1400</td>
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<td>GER 1121C and 2200</td>
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<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>
<td>IDS 1906 (6 credits)</td>
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<tr>
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<td>MAC 1105 and 1140</td>
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<td>Math Studies</td>
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<td>MAT 1033 and 1106</td>
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<td>MAC 1147 and 1923</td>
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<td>PHI 2010 and 1906</td>
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<td>PHY 2053 and 2054C</td>
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<td>Psychology</td>
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<td>Social Anthropology*</td>
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<td>Spanish</td>
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<td>SPN 1121 and 2230</td>
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<tr>
<td>Visual Arts</td>
<td>ART 1012</td>
<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)

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<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, Financial</td>
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<td>Accounting, Principles of</td>
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<td>Algebra, College</td>
<td>MAC 1105</td>
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<tr>
<td>Algebra-Trigonometry, College</td>
<td>MAC 2147</td>
<td>MAT Found 1</td>
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<td>American Government</td>
<td>POS 2041</td>
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<td>American Literature</td>
<td>AML 1000</td>
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<td>Biology, General</td>
<td>BSC 1005</td>
<td>SCI Found 2</td>
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<td>Business Law, Introduction to</td>
<td>BUL 1241</td>
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<tr>
<td>Calculus</td>
<td>MAC 2233</td>
<td>MAT Found 1</td>
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<td>Chemistry, General</td>
<td>CHM 1020</td>
<td>SCI Found 1</td>
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<tr>
<td>College Composition</td>
<td>ENC 1101 ENC 1102</td>
<td>SOC Found 2</td>
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<tr>
<td>Educational Psychology, Introduction to</td>
<td>EDP 1002</td>
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<tr>
<td>English Composition with Essay</td>
<td>ENC 1101</td>
<td>COM Found 1</td>
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<td>English Literature</td>
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<td>CUL &amp; HIS Found 2</td>
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<tr>
<td>French Language</td>
<td>FRE 1120C</td>
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<td>Score of 59 or higher ears</td>
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<td>GER 1120C</td>
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<td>Score of 60 or higher ears</td>
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<td>History of the United States II: 1865 to Present</td>
<td>AMH 2020</td>
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<tr>
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<td>Macroeconomics, Principles of</td>
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<td>Management, Principles of</td>
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<td>Microeconomics, Principles of</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>Spanish Language</td>
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<td>Trigonometry</td>
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<tr>
<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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<tr>
<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>
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 (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 (min. 6 credits) of Elementary Language I and Intermediate 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.

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**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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</thead>
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<tr>
<td>Accounting (AS-Level)</td>
<td>ACG 1001</td>
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<tr>
<td>Accounting (A-Level)</td>
<td>ACG 1301 and ACG 1906</td>
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<tr>
<td>Art and Design (A-Level)</td>
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<tr>
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<td>BSC 1005/1005L</td>
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<tr>
<td>ART 1906 and ART 1907</td>
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<tr>
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<td>BSC 2010C and BSC 1906</td>
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<td>Business Studies (A-Level)</td>
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<tr>
<td>Business Studies (AS-Level)</td>
<td>GEB 2011 and GEB 2005</td>
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<td>Chemistry (AS-Level)</td>
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<tr>
<td>Economics (A-Level)</td>
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<td>by History Dept</td>
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<tr>
<td>French (A-Level)</td>
<td>FRE 1121 and FRE 2200</td>
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<td>GEO 1200 and GEO 1400</td>
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<tr>
<td>Spanish Language (A-Level)</td>
<td>SPN 1121</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>Thinking Skills (A-Level)</td>
<td>PHI 1103</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>Thinking Skills (A-Level)</td>
<td>PHI 1103 and 1906</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>Travel and Tourism (A-Level)</td>
<td>HFT 1000</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>Travel and Tourism (A-Level)</td>
<td>HFT 1000 and 1906</td>
<td>SCI Found 2</td>
</tr>
</tbody>
</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 and ENC 1102, credit will be awarded for LIT 2100.
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, or 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 1120C-1121C). A score at or above the second CLEP threshold level (generally numbered 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 will be awarded for CLEP foreign language exams.

**Credit by Examination**

Regularly enrolled (excludes transient and non-degree) undergraduates at the University of Central Florida may obtain credit for examinations in a variety of areas. 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 on previous page)**

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 below)**

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 Dantes Examination credit. For additional information: http://www.getcollegecredit.com.

**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.

### DANTES SUBJECT STANDARDIZED TESTS (DSST)

<table>
<thead>
<tr>
<th>Exam</th>
<th>Course Number</th>
<th>GEP Usage</th>
<th>Passing Grade Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art of the Western World</td>
<td>ARH 2000</td>
<td>SCI Found 2</td>
<td>46</td>
</tr>
<tr>
<td>Astronomy</td>
<td>AST 2002</td>
<td></td>
<td>48</td>
</tr>
<tr>
<td>Business Law II</td>
<td>BUL 2242</td>
<td></td>
<td>44</td>
</tr>
<tr>
<td>Business Math</td>
<td>QMB 1001</td>
<td></td>
<td>48</td>
</tr>
<tr>
<td>Criminal Justice</td>
<td>CCJ 1000</td>
<td></td>
<td>49</td>
</tr>
<tr>
<td>Environment and Humanity</td>
<td>EHR 1017</td>
<td></td>
<td>46</td>
</tr>
<tr>
<td>Ethics in America</td>
<td>PHIL 030</td>
<td></td>
<td>46</td>
</tr>
<tr>
<td>Fundamentals of College Algebra</td>
<td>MAC 1105</td>
<td>MAT Found 1</td>
<td>47</td>
</tr>
<tr>
<td>Foundations of Education</td>
<td>EDI 1002</td>
<td></td>
<td>46</td>
</tr>
<tr>
<td>Fundamentals of Counseling</td>
<td>PCJ 1202</td>
<td></td>
<td>45</td>
</tr>
<tr>
<td>General Anthropology</td>
<td>ANT 2000</td>
<td>SOC Found 2</td>
<td>47</td>
</tr>
<tr>
<td>Here’s to Your Health</td>
<td>HSC 1100</td>
<td></td>
<td>48</td>
</tr>
<tr>
<td>History of the Vietnam War</td>
<td>AMH 2059</td>
<td></td>
<td>44</td>
</tr>
<tr>
<td>Human Resources Management</td>
<td>MAN 1300</td>
<td></td>
<td>46</td>
</tr>
<tr>
<td>Human/Cultural Geography</td>
<td>GEO 1300</td>
<td></td>
<td>48</td>
</tr>
<tr>
<td>Intro to Computing</td>
<td>CGS 1060</td>
<td>MAT Found 2</td>
<td>45</td>
</tr>
<tr>
<td>Intro to the Modern Middle East</td>
<td>ASH 2044</td>
<td></td>
<td>47</td>
</tr>
<tr>
<td>Intro to World Religions</td>
<td>REL 2300</td>
<td>CUL and HIST Found 2</td>
<td>48</td>
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<tr>
<td>Introduction to Business</td>
<td>GEB 2112</td>
<td></td>
<td>46</td>
</tr>
<tr>
<td>Introduction to Law Enforcement</td>
<td>CCJ 1100</td>
<td></td>
<td>45</td>
</tr>
<tr>
<td>Lifespan Developmental Psychology</td>
<td>DEP 0400</td>
<td></td>
<td>46</td>
</tr>
<tr>
<td>Management Information Systems</td>
<td>ISM 1000</td>
<td></td>
<td>46</td>
</tr>
<tr>
<td>Money and Banking</td>
<td>BAN 1301</td>
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<td>48</td>
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<tr>
<td>Organizational Behavior</td>
<td>INP 1002</td>
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<tr>
<td>Personal Finance</td>
<td>FIN 1100</td>
<td></td>
<td>46</td>
</tr>
<tr>
<td>Physical Anthropology</td>
<td>GY 1000</td>
<td>SCI Found 2</td>
<td>46</td>
</tr>
<tr>
<td>Principles of Finance</td>
<td>FIN 1000</td>
<td></td>
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</tr>
<tr>
<td>Principles of Financial Accounting</td>
<td>ACG 1001</td>
<td></td>
<td>47</td>
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<tr>
<td>Principles of Physical Science</td>
<td>PSC 1121</td>
<td>SCI Found 1</td>
<td>47</td>
</tr>
<tr>
<td>Principles of Public Speaking</td>
<td>SPC 1000</td>
<td>COM Found 3</td>
<td>47</td>
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<tr>
<td>Principles of Statistics</td>
<td>STA 1204</td>
<td>MAT Found 2</td>
<td>48</td>
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<tr>
<td>Principles of Supervision</td>
<td>MNS 1345</td>
<td></td>
<td>46</td>
</tr>
<tr>
<td>Rise and Fall of the Soviet Union</td>
<td>EUH 1006</td>
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<tr>
<td>Technical Writing</td>
<td>ENC 2110</td>
<td></td>
<td>46</td>
</tr>
<tr>
<td>The Civil War and Reconstruction</td>
<td>AMH 1056</td>
<td></td>
<td>46</td>
</tr>
</tbody>
</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>
</tr>
</thead>
<tbody>
<tr>
<td>Abnormal Psychology</td>
<td>CLP 1140</td>
<td>COM FOUND 1</td>
<td>45</td>
</tr>
<tr>
<td>English Composition</td>
<td>ENC 1101</td>
<td>COM FOUND 1</td>
<td>40</td>
</tr>
<tr>
<td>Ethics: Theory and Practice</td>
<td>PHI 1630</td>
<td></td>
<td>46</td>
</tr>
<tr>
<td>Foundations of Gerontology</td>
<td>GEY 1000</td>
<td></td>
<td>46</td>
</tr>
<tr>
<td>Human Resources Management</td>
<td>MAN 1300</td>
<td></td>
<td>44</td>
</tr>
<tr>
<td>Life Span Developmental Psychology</td>
<td>DEP 0400</td>
<td></td>
<td>45</td>
</tr>
<tr>
<td>Microbiology</td>
<td>MCB 1000</td>
<td></td>
<td>45</td>
</tr>
<tr>
<td>Psychology of Adulthood and Aging</td>
<td>DEP 1401</td>
<td></td>
<td>45</td>
</tr>
</tbody>
</table>
International Studies

**Director:** Angel Cardec; Research Pavilion, Suite 395, P.O. Box 163105, Orlando, FL 32816-3105; 407-882-2300; Fax: 407-882-0240; http://www.international.ucf.edu.

The Office of International Studies (OIS) connects UCF students and faculty to diverse world communities. Its mission is to promote, support, facilitate, advocate, and implement activities that lead to the internationalization of education and research at UCF. This is accomplished through: development and administration of UCF study abroad programs; faculty development activities; internationalization of courses and programs; enhancement of international exchanges; promotion of international partnerships; and the identification and acquisition of external funding.

**Study Abroad Programs**
http://www.studyabroad.ucf.edu

By its very nature, study abroad provides an exciting setting for learning - one in which student interaction is central to the learning process. Study abroad participants learn about new environments, customs and, in many cases, new languages. They deal with the uncertainties of international travel and must adapt to the dynamics of the group. Maturity, self-confidence, and awareness of other cultures are only some of the benefits of study abroad. Students are invited to expand their classroom, their experience, and their future through study abroad.

UCF study abroad opportunities are a cooperative venture of academic departments and the OIS, and are designed to provide an exceptional learning experience, while matching the specific needs and circumstances of UCF students. The two main types of programs administered by UCF are Short Term Programs and Student Exchanges.

Short Term Programs are intended to provide the maximum amount of exposure to a subject in the shortest period of time. They must meet all the criteria for UCF courses and can be delivered as complete modules, or as a complement to a course delivered on campus or online. Examples of past short term programs include the following: intensive language programs in France, Japan, Germany, Spain and Italy; Tropical Marine Biology in Honduras; International Business in France and Spain; Criminal Justice in Costa Rica and Russia; Education in the United Kingdom; International Gastronomy in France and Italy; and Art in Scotland.

Reciprocal Student Exchanges (RSE) provide the opportunity to become a student at a university abroad for one term or even a year. The longer terms allow for a more extensive experience abroad. Student exchanges require greater personal commitment, maturity, and organization. Therefore, they are limited to UCF students who have attained at least a junior status and who have a minimum 3.0 GPA. Past RSE include the following: Université d’Angers, ICN School of Business and Paris VI in France; Meikai University in Japan; University of Lima in Peru; Jonkoping and Malardalen universities in Sweden; and Northampton University and University of Surrey in the United Kingdom.

There are many more study abroad options. It is important that interested participants investigate their choices, the requirements and the implications that each choice has in terms of cost, credit transferability and progress toward graduation. OIS staff members can provide program advice and general information about options. For up-to-date information, please visit http://www.studyabroad.ucf.edu or contact OIS at 407-882-2300.

Experiential Learning (Office of), Undergraduate Studies

**Director:** Sheri Dressler; Ferrell Commons, Suite 203; 407-882-2667; http://www.explearning.ucf.edu

Experiential Learning provides instruction and instructional support for experience-based learning courses at UCF. Its mission is to: 1) encourage all UCF students to include some form of experiential learning in their academic programs before graduation; 2) instruct cooperative education (co-op) and internship courses and support faculty in other academic departments to create and instruct internship and service-learning courses; 3) promote the measurement of student learning outcomes across disciplines for students in experience-based learning courses; 4) provide faculty training and quality assurance processes for the creation and instruction of high quality experiential learning courses; 5) create meaningful and productive educational partnerships with employers and community partners locally, nationally, and internationally; and 6) collaborate closely with other UCF departments, such as the Faculty Center for Teaching and Learning, International Services Center, Career Services, and Financial Aid.

The Office of Experiential Learning has received national recognition for its institutional support, program innovation, quality instruction and broad-based collaboration. It provides a menu of options for undergraduate and graduate students in all Colleges, resulting in almost half of the student body participating in experiential learning experiences each year. Students are encouraged to come to the Office of Experiential Learning early as possible to receive advising and assistance to obtain opportunities and include these courses in their academic programs.

The Experiential Learning department instructs co-op and internship courses and supports department faculty in the development and instruction of internship and service-learning courses. It administers the Florida Work Experience Program (FWEP) through which additional paid, major-related experiences are created for students with documented unmet financial need and supports ArtsBridge, a program in which Art, Music and Theatre majors teach course content through the arts in local schools. All of these options provide major-related, real-world experience that help students clarify career goals, apply classroom theory, and gain the personal, academic and professional competencies that they need to be successful employees and engaged community members upon graduation.

- Internships are available to students on all campuses in all Colleges. They are courses that provide one-term or major or career-related work experience, structured for learning with reflection, supervision and evaluation, paid or unpaid, and most often for credit. Internships usually occur during summers or toward the end of a student’s program of study and can be part-time (usually during the school year) or full-time (usually during summers). They are available through the Office of Experiential Learning or through other academic departments in Colleges. Contact information for department internship coordinators is on the Experiential Learning web site.
- Co-op opportunities are available to students on all campuses in all Colleges. They are courses that provide a series of internships, always major- or career-related, paid, and multiple terms with progressively responsible duties. They are either part-time around class schedules (parallel) or full-time alternating terms (alternating), 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.
Special Academic Programs and Research Institutes

- Service-Learning is a means of incorporating 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 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 service-learning courses.

Current co-op and internship opportunities through the Office of Experiential Learning, requirements for participation, and information and materials for Service-Learning are all listed on the Experiential Learning Web site. To participate in co-op or internships, students may complete an application online any time during the year, preferably during the term before they want to participate to allow time to obtain an appropriate learning experience. Once students apply online, they meet with Experiential Learning faculty to be referred, obtain opportunities and register for courses.

National Consortium for Academics and Sports (NCAS)

Director: Suzi Katz-Slowinski; BA 113; 407-823-5243
http://www.ncasports.org

The mission of the Southeast Regional Office of the National Consortium for Academics and Sports (NCAS) at the University of Central Florida is to help create a better society by focusing on educational attainment and using the power and appeal of sport to positively affect social change. The NCAS reaches this goal in the Central Florida community and in southeast region by making programs available in the areas of diversity training, gender violence prevention, media awareness and building well rounded student-athletes who represent themselves and their University well and, alcohol education. The NCAS also cultivates partnerships between the University, local schools, community organizations, and other non-profit agencies that also are committed to serving the community. For additional information, visit the National Consortium for Academics and Sports Web site at http://www.ncasports.org.

Division of Continuing Education

Assistant Vice President/Director: TBA; University Tech Center, 12565 Research Parkway, Suite 390, Orlando, FL 32826; 407-882-0260; Fax: 407-882-0244
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 through the Regional Campuses. 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 degree students, area professionals corporate education, K-12 students, domestic and international corporations, and local/state/government.

Off-Campus College Credit Programs

Assistant Vice President/Director: TBA; University Tech Center, 12565 Research Parkway, Suite 390; 407-882-0260; Fax: 407-882-0244

Off-Campus College Credit Programs assists 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 at the various business, educational, or governmental locations served or via the web for student convenience. Course registration for non-admitted students does not constitute regular admission to the University.

Institutes and Centers for Research

The Biomolecular Science Center

Director: P.E. Kolattukudy, BL 136, 407-823-1312; Fax: 407-823-0956

The Biomolecular Science Center is housed in the Burnett School of Biomedical Sciences, College of Medicine. The mission of this University-wide interdisciplinary academic Center is to establish vibrant research and training programs under the general theme, “Molecular and Genomic Bases of Diseases and Therapeutics.” The research at the Center is focused in four areas: cancer, cardiovascular disease, infectious disease, and neurodegenerative disease. See Burnett School of Biomedical Sciences, College of Medicine section or visit http://www.biomed.ucf.edu for more information.

Center for Economic Education

Director: Robert L. Pennington; BA 303E; 407-823-2640

The Center for Economic Education strives to increase public knowledge of economic principles and their applications in daily life. Researchers at the Center develop, collect, and distribute economic educational materials. They also consult with and provide instruction to area schools (K-12), community colleges, and community organizations. Instruction focuses on the principles of economics and their use in making rational economic decisions. Affiliated with the Council for Economic Education, the Center also conducts research in economic education.

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 219-C, Orlando, FL 32819; 407-903-8028;
E-mail: DFI@mail.ucf.edu

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 educating 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, Bob Case, 407-235-3904;
Associate Director, Jaime Patterson, 407-235-3912;
407-235-3901;
E-mail: edc@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 leading 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 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 Masters Programs
- Customized corporate programs
- Conference services
- Public enrollment programs
- International seminars and exchange programs

The UCF Executive Development Center has a strong commitment to the business community. Both small and large organizations find the programs to be contemporary, challenging, and effective.

Florida-Canada Linkage Institute

Director: Angel Cardec; 407-882-2300; Fax: 407-882-0240;
E-mail: fcli@mail.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 the Office of International Studies, promotes international collaboration through expanded public/private dialogues on cooperative research and technical assistance, cultural exchanges, the enhance-
ment of language training, and student/faculty exchange programs. The institute administers the Out of State Tuition Fee Exemptions Program that is available for Canadian students to study in Florida state universities and community colleges for the same tuition and fees as Florida residents. The awards are limited to 25 FTE and are competitive.

**Florida-Eastern Europe Linkage Institute**
**Director:** Angel Cardec; 407-882-2300; Fax: 407-882-0240; E-mail: eeli@mail.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 the Office of International Studies, 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 community colleges 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

The John Scott Dailey Florida Institute of Government is part of the College of Health and Public Affairs. We serve as a valuable resource for local government information and provide the public sector and non-profit 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; Fax: 321-638-1010.

The Florida Solar Energy Center (FSEC) is the largest and most active state-supported energy research institute in the United States. Its facilities are located on the Cocoa campus of UCF at Brevard Community College. FSEC has gained national and international respect for its programs on photovoltaics, solar thermal systems, energy-efficient buildings, advanced cooling technologies, hydrogen and fuel cells, pollutant detoxification, and photocatalytic processes. It operates the only certified solar equipment testing program in the country. The yearly value of FSEC’s external contracts exceeds its state support by a factor of two. The Center conducts continuing education workshops for teachers, professionals, government and industry leaders around the world. FSEC’s technical library boasts one of the nation’s most extensive holdings on solar and alternative energy.

**Florida Space Institute (FSI)**
**Acting Director:** Jaydeep Mukherjee; FSI, Kennedy Space Center, FL 32899; 321-452-9834; Fax: 321-452-4842; E-mail: fsicas@mail.ucf.edu

The Florida Space Institute provides unique, practice-based educational opportunities, combined with resources to design, build, and test small satellites, instruments, and payloads. Using these resources, FSI supports member schools and other educational and commercial customers, providing 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. Because FSI is located at the Space Center and not on the UCF campus, the programs are embedded within the existing space environment of the Center, at both the NASA/Kennedy Space Center and the Cape Canaveral Air Force Station locations. Typical research areas include small satellite innovations, broadband optical communications, propulsion, instrumentation development, space weather, and space power, driving engineering solutions with science requirements.

In addition to traditional classrooms, FSI has complete laboratories for supporting research projects, a satellite ground station, and a launch site for launching sub-orbital rockets to space. Additionally, we utilize the Space Center as a laboratory to perform field experiments. This combination of capabilities provides students with an unequalled opportunity to obtain an education with experience, through practice-based teaching, in the areas of space science and engineering.

**Institute for Simulation and Training (IST)**
**Director:** Randall Shumaker; 3100 Technology Pkwy, Orlando, FL 32826-0544; 407-882-1300; Fax: 407-882-1335; E-mail: shumaker@ist.ucf.edu
http://www.ist.ucf.edu

The Institute for Simulation and Training (IST) was established to conduct research and develop developing technology that advances the state of the art in affordable and effective simulation capabilities and training systems. 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 use simulation, improve human-agent interaction, and educate the next generation of scientists and professionals. In April 1985 a State of Florida resolution recognized the institute as part of a Center of Excellence for Simulation and Training.

IST laboratories, work space, and administrative offices occupy major portions of three buildings located in the Central Florida Research Park, adjacent the UCF campus. The park also is home to the Army Program Executive Office for Simulation, Training and Instrumentation (PEO-STR); Army Simulation Training Technology Center; Naval Air Training Systems Division (NAVAIR Orlando); Marine Corps Program Manager for Training Systems; and Air Force Agency for Modeling and Simulation (AFAMS). The institute is one of an estimated 150 public and private entities specializing in simulation and training and located along the Central Florida High Tech Corridor traversing the state from Tampa to Daytona Beach, the largest concentration of this expertise in the world.

IST’s research staff of scientists, engineers, and students conducts basic and applied research for a broad range of training devices and programs. Departments 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 and team training
- Cognitive science/augmented cognition
- Media convergence
- Embedded simulation
- Advanced performance technology

IST actively assists UCF in the development of simulation-related curricula, offering the nation with a master’s degree in simulation systems, the university in collaboration with IST now offers a truly multidisciplinary PhD 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. In partnership with Embry-Riddle Aeronautical University World-wide Campus, UCF and IST offer the Modeling & Simulation Professional Science Master’s degree, a two-year course of study providing a combination of technical and business courses.

The institute annually employs more than 80 graduate and undergraduate students in a variety of research and support positions. For many outstanding graduates, IST is 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 programs to continue their advanced education and hone their research skills.

The institute includes in its efforts the 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.
Special Academic Programs and Research Institutes

Institute of Statistics and Data Mining
Director: David M. Nickerson; CC2 206; 407-823-5528; E-mail: nickersn@mail.ucf.edu

The Institute of Statistics and Data Mining provides statistical consulting support to graduate students, staff, and faculty members in all stages of their research projects. The Institute’s services include, but are not limited to, design of experiments and surveys, determination of sample sizes, formulation of hypotheses, selection of appropriate analysis using a variety of software packages, interpretation and evaluation of statistical results, preparation of statistical reports, and writing statistical methods and data analyses sections of research grant proposals as well as data management through the data mining lab. The Institute’s faculty members are available to work as co-investigators or statistical consultants on clients’ grant proposals. The Institute also provides statistical support to various government agencies and private organizations. For a brief description of consulting activities of the Institute and research expertise of faculty members, please visit http://statistics.cos.ucf.edu/. The consulting service is available to faculty members working on funded projects for a modest fee. Professor David M. Nickerson is the Director of the Institute. However, other faculty members from the Department of Statistics are available for assisting clients.

Oak Ridge Associated Universities (ORAU)
President and ORAU Councilor for University of Central Florida: John C. Hitt; ORAU Corporate Secretary: Monnie E. Champion; 865-579-3306; 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, postgraduates, 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 either of the contacts 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 Visiting Industrial Scholars Program, consortium research funding initiatives, faculty research and support programs as well as services to chief research officers.

Small Business Development Center (SBDC)
Regional Director: Eunice Choi; Disney Entrepreneur Center, 315 E. Robinson St., Suite 100, Orlando FL 32801; 407-420-4850; E-mail: echoi@bus.ucf.edu; http://www.bus.ucf.edu/sbdc

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 College of Business Administration at the University of Central Florida, is responsible for eight counties in the Central Florida area including six Sub-Centers located at Daytona State College, Brevard Community College, Seminole State College, Kissimmee Chamber of Commerce, Leesburg Incubator, Lake Sumter Community College-Clermont. Assistance is provided through workshops and individual counseling in the following areas:

- Start-Up
- Finance
- Operations
- Management
- Technology
- Business Plan Development

Additional programs for leaders of growing businesses are also offered as follows: Advisory Board Council, CEO Xchange, Small Business Institute, and Strategic Workshop Series, in addition to two special programs of PTAC and SBRN.
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 and passed the College Level Academic Skills Test.

The Associate of Arts degree is awarded only upon application. The application form may be obtained in Academic Services, MH 210 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 Arts in Business Administration, Bachelor of Engineering Technology, Bachelor of Fine Arts, Bachelor of Science, Bachelor of Science in Business Administration, Bachelor of Science in Education, Bachelor of Science in Engineering, Bachelor of Science in Nursing, and Bachelor of Science in Social Sciences. 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, Modern Language Combination, Music, Philosophy, Religious Studies, Spanish, Theatre, Theatre Studies

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, General Business Administration, Management, Marketing, Real Estate

Bachelor of Arts (B.A.)
Major: Economics

Bachelor of Arts in Business Administration (B.A.B.A.)
(Regional campuses only)

College of Education
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.E.E.), 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: Biotechnology, Medical Laboratory Sciences, Molecular Biology and Microbiology

College of Nursing
Bachelor of Science in Nursing (B.S.N.)
Major: Nursing

College of Sciences
Bachelor of Arts (B.A.)
Majors: Advertising/Public Relations, Anthropology, International and Global Studies, Interpersonal/Organizational Communication, Journalism, Political Science, Radio - Television, Social Sciences, Sociology

Bachelor of Science (B.S.)
Majors: Biology, Chemistry, Forensic Science, Mathematics, Physics, Psychology, Statistics

Rosen College of Hospitality Management
Bachelor of Science (B.S.)
Majors: Event Management, Hospitality Management, Restaurant and Foodservice Management

Office 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

<table>
<thead>
<tr>
<th>College Awarding Minor</th>
<th>Name of Minor</th>
</tr>
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<tbody>
<tr>
<td>College of Business Administration</td>
<td>Accounting, Business, Economics, Entrepreneurship, Finance, International Business, Marketing, Real Estate, Sport Business Management, Technological Entrepreneurship</td>
</tr>
<tr>
<td>College of Medicine</td>
<td>Molecular Biology and Microbiology</td>
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</tbody>
</table>

## College Awarding Minor

<table>
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<tr>
<th>Name of Minor</th>
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<tbody>
<tr>
<td>Hospitality Management</td>
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<tr>
<td>Environmental Studies, Leadership Studies, World Comparative Studies</td>
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</tbody>
</table>

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/.
Committed to diversity in both the composition of its student body and the programs that it supports, The Burnett Honors College (TBHC) at UCF provides a challenging and exciting educational experience to academically talented students. TBHC combines the atmosphere of a small liberal arts college with the intellectual stimulation of a large metropolitan research university. Honors students receive an education that prepares them to enter the best graduate and professional schools as well as pursue distinguished careers.

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 and course programming. They also have priority registration privileges and access to the Honors Reading Room, Computer Lab, and Honors Housing.

Students may pursue Honors through two distinct programs, University Honors and Honors in the Major.
The Burnett Honors College

University Honors

Admission to University Honors is granted by TBHC to qualified incoming freshmen. 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 parents are encouraged to contact Honors staff if they have questions.

Qualified students who transfer to UCF with an AA Degree with Honors from a Florida community college that has signed 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.

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 the student must: 1) complete 4 Honors lower-division courses1; 2) complete the freshman Honors Symposium2, and 3) meet 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 and complete an exit interview. 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

<table>
<thead>
<tr>
<th>Symposium</th>
<th>Lower-division</th>
<th>Upper-division</th>
<th>Major</th>
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<tbody>
<tr>
<td>IDH 1920H</td>
<td>4 courses</td>
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The current upper-division3 requirements are as follows:

- University Honors Upper-Division Program Requirements:
  - College of Arts and Humanities, College of Education, College of Sciences, Rosen College of Hospitality Management, and Medical Laboratory Sciences, Engineering Technology, Information Technology, Information Systems Technology, Economics (B.A.) and Interdisciplinary Studies majors
    1. Complete one Honors Interdisciplinary Seminar3
    2. Complete two Honors upper-division Business courses
    3. Complete two of the following Honors upper-division Business courses
       - BUL 3130H Legal and Ethical Environment of Business
       - GEB 3356H Introduction to International Business
       - MAR 3023H Marketing
       - FIN 3403H Business Finance
       - MAN 3025H Management of Organizations
       - MAR 3391H Professional Selling

Note: Please refer to the “UCF Courses and Descriptions” section of this Undergraduate Catalog for information on direct prerequisites for the above courses.

Consult an Honors advisor to find out when these courses are being offered.

- University Honors Upper-Division Program Requirements:
  - College of Business Administration (excluding Economics (B.A.))
    1. Complete one Honors Interdisciplinary Seminar3
    2. Complete two Honors upper-division Business courses
    3. Complete two Honors upper-division Business courses
       - BUL 3130H Legal and Ethical Environment of Business
       - GEB 3356H Introduction to International Business
       - MAR 3023H Marketing
       - FIN 3403H Business Finance
       - MAN 3025H Management of Organizations
       - MAR 3391H Professional Selling

Acceptable Waivers

Please see The Burnett Honors College Web site at: http://www.honors.ucf.edu for a listing of acceptable waivers. Students should obtain waivers from the Office of Honors Advising (BHC 107) prior to their participation in the listed programs. Students may only receive one waiver of credit per undergraduate career.

Notes

Students who are pursuing University Honors in two degrees must complete an extra Upper-Division course or Interdisciplinary Seminar.

Honors in the Major (HIM) courses do NOT count for University Honors requirements. However, EGN 4931H and NUR 3165H can count for HIM Directed Readings.
The Burnett Honors College

UCF/USF Accelerated Medical School Program for Students of The Burnett Honors College
http://www.honors.ucf.edu/Admissions_UCF-USF.asp

Eligible UCF freshmen who have been admitted to The Burnett Honors College and are interested in attending medical school have an opportunity to receive guaranteed admission to University of South Florida’s College of Medicine and complete a medical degree in seven years (3+4). Students must apply for the program prior to their first semester at UCF. The first three years of study will be completed at UCF and the fourth year will be done in residence at USF as part of the first year of medical school, provided that students continue to meet all the program requirements. UCF will confer a Bachelor’s Degree following successful completion of the fourth year of study. USF will confer the Doctor of Medicine Degree at the successful completion of the program.

Students may elect to complete a fourth year at UCF, following the more traditional pattern of four years of undergraduate coursework prior to receiving the Baccalaureate Degree, and then enter the USF College of Medicine. Students selecting this option (4+4) must complete the same requirements as the accelerated (3+4) program, but also have the opportunity to take more advanced coursework and become involved in additional research activities. Students may elect to decelerate at any point prior to October 31 of the third year.

Transfer students are not eligible for this program.

Students applying for this accelerated program must select a major in Molecular Biology and Microbiology in order to receive a Baccalaureate Degree from UCF.

The Burnett Honors College will provide oversight of the student’s progress in meeting Honors requirements and will coordinate overall completion of the first three years of the program. Students will receive advisement and schedule planning assistance each semester from a department advisor and the Pre-professional advisor.

Students attending the USF Medical School during their fourth year of matriculation (3 + 4 track) may transfer a maximum of 30 hours of course work taken at UCF toward their UCF undergraduate degree. Such students fulfilling the accelerated 3 + 4 track will receive their BS degree from the University of Central Florida after successfully completing all UCF requirements and the requirements of the first year of medical education at USF.

The USF College of Medicine will provide oversight of the 4-year medical school curricular component of the program.

Eligibility Requirements
- Florida resident
- SAT score of 1350 or ACT of 30
- Unweighted high school GPA of 3.7
- Class rank (if available) top 10%
- Admission to The Burnett Honors College
- Completion of the Accelerated USF Medical School Application Form with a letter of recommendation following admission to The Burnett Honors College
- Submittal of two letters of recommendation from UCF faculty and successful USF College of Medicine interview in May at the completion of the first year
- Detailed program requirements can be found at http://www.honors.ucf.edu/Admissions_UCF-USFRequire.asp

Honors in the Major
Application for admission to the Honors in the Major program will be made to TBHC following consultation by the student with the Department Chair or Honors in the Major Coordinator in the student’s major department. This program is designed to encourage original and independent work by the student. Two copies of the thesis, project, or creative work will be placed in the University Library with another copy remaining in The Burnett Honors College Reading Room. An Honors in the Major Handbook outlining the procedures for completing this program is available online at http://www.research.honors.ucf.edu/him/

Requirements for admission to Honors in the Major are: completion of at least 60 credit hours of college credit including at least 12 credit hours at UCF and at least 3.5 GPA within the major and at least 3.2 GPA in all upper-division courses regardless of institution. Students must also seek approvals by the department from which Honors in the Major is sought and from the Director of Research and Civic Engagement of TBHC.

Honors in the Major is awarded upon completion of an advanced Honors Thesis, and the completion of at least three but not more than six hours of Directed Readings course work as determined by the academic department; and at least three but not more than 12 hours of Honors Thesis or Project work taken in the college or department of major. Engineering majors must take EGN 4931H 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 project or 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 Committee Chair and at least one other tenured or tenure-earning faculty. The student is responsible for filing an application with TBHC to begin Honors in the Major, which must be signed by the Thesis Committee Chair, the Honors Coordinator of the major department, and the Director of Research and Civic Engagement of TBHC. The student must receive a grade of at least “B” in all Honors in the Major course work to be awarded 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 by the third day of classes of the semester of 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 transcripts is eligible to graduate with Honors in the Major. If you have any questions about these requirements, please contact TBHC at 407-823-6402 or honorsresearch@mail.ucf.edu.

Student-Mentor Academic Research Teams (SMART) Program
TBHC oversees the Student-Mentor Academic Research Teams (SMART) Program which is designed to assist sophomores and juniors identify and work with faculty mentors in a research area of shared interest. SMART is open to all UCF students with a minimum overall GPA of 3.2. A limited number of SMART grants are competitively awarded to students and faculty for fall, spring, or summer semester research. Students seeking more information about SMART should visit http://www.research.honors.ucf.edu/smart/.

If you have any questions about SMART 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 Student Scholarship and Fellowship Advisement
The Office of Student Scholarship and Fellowship Advisement (OSSF A) provides all UCF students with information and advising for major national and international fellowships and scholarships of a prestigious nature. OSSF A serves as the UCF campus representative for all awards requiring university endorsement or nomination, including the Rhodes, Marshall, Jack Kent Cooke, Truman, and Goldwater scholarships. While OSSF A is housed within The Burnett Honors College, it serves the entire UCF community.

OSSF A 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 the OSSF A for assistance with their applications, even if the award does not require institutional endorsement. Students seeking more information should contact OSSF A by phone at 407-823-2877, visit BHC 107 or http://www.ossfa.honors.ucf.edu.

http://www.ossfa.honors.ucf.edu
http://www.research.honors.ucf.edu/smart/
COLLEGE OF ARTS AND HUMANITIES

College of Arts and Humanities
Dean: Jose Fernandez; CAH 190; 407-823-2251;
Associate Dean: Lyman Brodie; CAH 190; 407-823-2251;
Associate Dean: Terry J. Frederick; CAH 190; 407-823-2251;
Assistant Dean: Lynn Hepner; CAH 190; 407-823-2251;
Assistant Dean: Paul Lartonoix; CAH 190; 407-823-2251

The College of Arts and Humanities includes the following departments: English, Film, Modern Languages & Literatures, History, Music, Philosophy, and Theatre. The College also houses programs in American Studies, Asian Studies, Judaic Studies, Latin American Studies, Caribbean and Latino/a Studies, Women’s Studies, and Middle Eastern Studies. The college also houses the School of Visual Arts and Design, offering degrees in art, architecture, and digital media.

In keeping with the aims 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 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. Computer proficiency is determined within the student’s department of major. Depending on the program, evaluation may be via a written test, relevant projects, or specific exercises within a course or an entire course dealing with computers. 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 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

Prelaw Advisor: Jennifer Mundale; CNH 411L; 407-823-5076

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, 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; emphasis in economics should be gained through advisement in Economics programs in the College of Business Administration; 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

CAH Student Advising (CAHSA)

Director: Delia Garcia; CNH 202; 407-823-3312; E-mail: cahsa@mail.ucf.edu

http://www.cah.ucf.edu/students/advising.php

CAH Student Advising (CAHSA) is the primary office for undergraduate academic advisement 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 the College of Arts and Humanities majors should be directed to the CAHSA staff in CNH 202 or by calling 407-823-2492. 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 six area studies programs with an international focus: African American, American, Asian, Judaic, Latin American, Caribbean and Latino/a Studies, and Middle Eastern. 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.

African American Studies - Contact: JoAnne Stephenson; 407-823-0026

American Studies - Contact: Lyman Brodie; 407-823-2251

Asian Studies - Contact: Paul Giordano; 407-823-2472

Judaic Studies - Contact: Moshe Pelli; 407-823-5039

Latin American, Caribbean and Latino/a Studies - Contact: José Maumez-Cuadra; 407-823-1173

Middle Eastern Studies - Contact: Husain Kassim; 407-823-2803

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.
College of Arts and Humanities

Departments and Programs

African-American Studies: Program
Program Director: JoAnne Stephenson; CNH 411; 407-823-0026
http://www.aas.cah.ucf.edu

The College of Arts and Humanities offers a minor in African-American Studies, which gives students the opportunity to explore the African American experience from a multi-disciplinary perspective. The program is designed to enhance and complement the student’s major area of study. The minor incorporates courses from many different disciplines including Music, Fine Arts, History, English, Foreign Languages, Political Science, Psychology, Sociology, Anthropology, Film, and Theater. The program’s interdisciplinary approach emphasizes the artistic and intellectual traditions of African Americans, and is dedicated to developing expertise and knowledge of the black experience in the African Diaspora.

Degrees: None
Tracks: None
Minors: African-American Studies

American Studies: Program
Contact: Lyman Brodie; CAH 190; 407-823-2292

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: Paul Giordano; CNH 523; 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, foreign languages, history, humanities, philosophy, political science).

Degrees: None
Tracks: None
Minors: Asian Studies

Community Arts—PAVE: Program
Program Director: Janet Kilbride; VAB 117; 407-823-2676

A minor in Community Arts–Partners in Art in Visual Education (PAVE) is offered for the student who is majoring in Art, Music, Theatre, or English.

Degrees: None
Tracks: None
Minors: Community Arts

Department of English
Chair: David Wallace; CNH 405; 407-823-1159;
E-mail: english@ucf.edu
http://www.english.cah.ucf.edu


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 stu-

Degrees: English (BA, MA), Creative Writing (MFA), Texts & Technology (Ph.D)
Tracks: Literature, Creative Writing, Technical Communication
Minors: Creative Writing, Literature, Linguistics, Medieval/Renaissance, Technical Communication, Writing

Department of Film
Interim Chair: Steve Schlow; COM 121; 407-823-0694;
E-mail: film@ucf.edu
http://www.film.cah.ucf.edu

Faculty: Cook, Finch, Gerstein, Harris, Ing, Johnson, Jones, Mills, Rohdie, Sandler, Schlow, Stoeckl, Wolfe

Offering a four-year undergraduate curriculum, the Film Department focuses on developing a student’s creative voice, appreciation and understanding of the medium. There are two programs: The BFA in production is a limited access program that stresses entrepreneurial filmmaking and the use of new technology in the production and distribution of student work. Encompassing all aspects of filmmaking from conceptualization to distribution, this program prepares students to become effective independent filmmakers. Graduating seniors are required to complete a capstone film, script, or digital media project. Concentrations include: filmmaking, screenwriting, digital cinema. The Cinema Studies BA is a rigorous course of study in film theory, criticism and history that prepares the student for work in the industry or for Graduate Study. Community partners include: Universal Studios Florida, Panavision, Kodak, Disney-MGM Studios, and the Florida Film Festival.

Students are selected for the limited access BFA by submitting an application form and creative portfolio by December 15. Complete information on faculty, curriculum, and admission requirements is available on the department Web site. Because this is a limited access program, students should pay close attention to the program admission requirements and check with the Department or Web site frequently.

Degrees: Film (BFA, MFA) Cinema Studies (BA)
Minors: Film-Cinema Studies (BA)

Department of History
Chair: Rosalind Beiler; CNH 505A; 407-823-5450;
E-mail: history@ucf.edu
http://www.history.cah.ucf.edu


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, African-American Studies, Asian Studies, and Latin American, Caribbean and Latino Studies.

Degrees: History (BA, MA, Accelerated MA)
Tracks: None
Minors: History
Judaic Studies: Program

Program Director: Moshe Pelli; CNH 201; 407-823-5039 or 823-5129; E-mail: judaicst@ucf.edu  
http://www.judaicstudies.cah.ucf.edu

Faculty: Hanson

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 curriculum.

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, Certificate

Latin American, Caribbean, and Latino Studies

Program Director: José Maunez-Cuadra; CNH 201; 407-823-1173; E-mail: jmaunez@pegasus.cc.ucf.edu  
http://www.lacs.cah.ucf.edu

The Latin American Area Studies Minor provides 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 service, social and community service, international trade, and public relations.

Degrees: None
Tracks: None
Minors: Latin American Area Studies

Middle Eastern Studies: Program

Program Director: Husain Kassim; CNH 411; 407-823-2803; E-mail: kassim@mail.ucf.edu  
Advisory Board Co-Chairs: John C. Bersia; Janan Smither  
http://www.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, social and historical 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: Paul Giordano; CNH 523; 407-823-2472; E-mail: foreignlanguages@ucf.edu  
http://www.mll.cah.ucf.edu


The Department provides instruction in Arabic, Chinese, French, German, Italian, Japanese, Latin, Portuguese, Russian, and Spanish, with majors in French, Spanish, and a Combination Major (two languages). The language combinations may consist of French, German, or Spanish as a first language, and any of these three, plus Italian, as a second language. 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), Modern Language Combination (BA), TESOL (MA)
Tracks: None
Minors: French, German, Italian, Spanish

Department of Music

Chair: Jeffrey Moore; CNH 205; 407-823-2879; Fax 407-823-3378; E-mail: music@ucf.edu  
http://www.music.cah.ucf.edu

Part-Time Faculty: Bagley, Hawkins, Hill, Hsu, Randall, Robertson, Titus

The Department of Music offers a Bachelor of Music degree with options in performance 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. The Music Department is fully accredited by the National Association of Schools of Music. Music organizations on campus include Phi Kappa Lambda, Phi Mu Alpha, Sigma Alpha Iota, Tau Beta Sigma, Kappa Kappa Psi, Student Chapters of MENC and ACDA, and Music Student Advisory Council.

Degrees: Music (BA, MA),  
Music Education (BME),  
Music Performance (BM)
Tracks: Music Performance, Composition
Minors: Music

Department of Philosophy

Chair: Bruce Janz; Psychology Bldg. 220; 407-823-4416; E-mail: philosophy@ucf.edu  
http://www.philosophy.cah.ucf.edu

Faculty: Burris, Cash, Compson, Congdon, Coverston, DiBernardo, Evans, Fiore, Hawkins, Janz, Jones, Kassim, Mundale, Park, Schippert, Stanlick, Strawser, Vest; Professor Emeritus: Flick

The Department of Philosophy offers a Philosophy major, a Religious Studies major, and a Humanities major, with a track in Philosophy, Religion, and Popular Culture as well as minors in Philosophy, Humanities, Religious 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), Religious Studies (BA), Humanities (BA), Humanities - Philosophy, Religion and Popular Culture (BA)
Tracks: Regular and Honors
Minors: Cognitive Sciences; Humanities; Philosophy, Religion & Popular Culture; Religious Studies
Department of Theatre
Chair: Christopher Niess; UTC 111; 407-823-2862;
E-mail: theatre@ucf.edu
http://www.theatre.cah.ucf.edu

Faculty: Alrutz, Boyd, Brotherton, Brown, Chicurel, Harris, Helsinger, Huaxiang, Ingram, Lartonox, Lee, Listengarten, McDonald, Niess, Rus-nock, Scott, Seay, Shafer, Siegfried, St. Claire, Stribling, Tollefson, Vernon, Weaver, Wood, Wootton, Wuehrmann; Professor Emeritus: Smith

The Department of Theatre 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: Acting, Design and Technology, Stage Management, Musical Theatre, Theatre for Young Audiences, Theatre Studies

Minors: Dance, Theatre

School of Visual Arts and Design
Interim Director: Jack Lew; VAB 117; 407-823-2676;
E-mail: svad@mail.ucf.edu
http://www.svad.ucf.edu


The School of Visual Arts and Design combines traditional studio arts, design, and art history with emerging media concepts that are the foundation of animation, game and interactive design. The traditional art forms of painting, drawing, photography, ceramics and sculpture continue to supply core skills necessary to pursue professional careers in both new and traditional media occupations. When these skills are integrated with interactive design principles and programming, students acquire a highly marketable body of knowledge leading to solid careers in industry or in creative research.

Degrees: Art (BA, BFA, MFA), Digital Media (BA, MA) Tracks: Art History, Emerging Media, Game Design, Studio Art, Visual Arts and Emerging Media Management, Web Design

Minors: Art History, Digital Media, Studio Art

Women’s Studies: Program
Program Director: M.C. Santana; CNH 411; 407-823-6502; E-mail: womenst@ucf.edu http://www.womensstudies.cah.ucf.edu

Faculty: Oliver, Preston, Santana

The Women’s Studies program offers an interdisciplinary minor and a certificate in Women’s 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 Studies, Certificate

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Arts and Humanities are located at: http://www.oelas.ucf.edu/alc/alc_students_cahum.htm
The College Mission Statement can be condensed into one sentence: The College of Business Administration advances the University’s mission and goals in providing intellectual leadership through teaching, research, and service. The vision is to create within the College an environment that nurtures learning and exploration, provides opportunities for faculty to disseminate information, provides educational opportunities for students, businesses and the general public, and provides a platform for many and various forms of partnerships.

Nurturing Learning and Exploration: The College is a catalyst for students, faculty, and the general public to gain a better understanding of the various fields of business. Educational experiences inspire learning and encourage exploration.

Dissemination of Information: Students are encouraged through the learning process to gather information to be used by them in future business vocations. Both students and faculty are encouraged to pursue outlets to share “new” information within their fields and to business practitioners.

Provide Educational Opportunities: Degree seeking individuals are provided with curricula leading to baccalaureate, masters, and doctoral programs. The College is also committed to providing more opportunities with structured learning experiences that “certify” non-degree seeking individuals as having accomplished a minimum requirement for a selected career.

Provide a Platform for Partnerships: The College is engaged in specific areas of excellence that provide opportunities for learning, exploration, and sharing. These specific areas of excellence take the form of Centers and Institutes, and selected niche areas of College units.

All undergraduate and graduate programs are accredited by the Association to Advance Collegiate Schools of Business International (AACSB).

Admission to the University of Central Florida does not imply admission to the College of Business Administration. For the BSBA and BABA degrees, students will only be allowed to enroll in the 3000/4000 level courses taught by the College of Business Administration after they have been admitted to the College. Admission to the College will be granted for BSBA and BABA students when the following are complete:

- Completion of the University General Education Program or an AA degree from a Florida Public Community College, and a minimum overall GPA of 2.0.

- Common Program Prerequisites with a minimum of a 2.0 GPA and “C” or better in each class.

- Completion of all Gordon Rule requirements and CLAS.

Students who otherwise meet the University admission requirements, such as entering freshmen and transfer students, will be placed in a major pending category until they meet the requirements set forth above. Only grades of “C” (2.0) or higher will transfer into the program. Each student should attend orientation for academic advising and should meet with an academic advisor in the College to outline a program of study. Courses taken at community colleges 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.
College of Business Administration

BE2010
UCF Business...the Best Undergraduate Business Education in Florida. In 1993 the UCF Business faculty established a goal to deliver the best undergraduate business education in Florida. The product of the alumni, faculty, business leaders, and students, the Business Education 2000 (BE2000) curriculum focused on four competencies that are integrated throughout all coursework: Teamwork, Communication, Creativity, and Adapting to Change. These four competencies were expanded in 2002 to include Ethics and Diversity and constitute the BE 2010 curriculum. Faculty, working with representatives from the business community, help you develop these competencies as you work through the following required courses in the Business Core:

- GEB 3031 Cornerstone
- GEB 3356 Introduction to International Business
- BUL 3130 Legal and Ethical Environments of Business
- ECO 3411 Quantitative Business Tools I
- FIN 3403 Business Finance
- MAN 3025 Management of Organizations
- ISM 3011 Essentials of Management Information Systems
- MAR 3023 Marketing
- MAN 4720 Strategic Management

Grade Point Average Requirements
For graduation the student must have maintained a minimum 2.0 GPA in course work taken in the College of Business Administration and a minimum 2.0 GPA in the course work required in the major, and a minimum 3.0 GPA in the course work taken in the College of Business Administration. The student must provide a course syllabus and any other evidence of course completion.

Student Load
A student who is enrolled in 15 – 16 credit hours of course work is considered to be carrying a normal academic load. Students in the College of Business Administration desiring to take more than 16 credit hours in the Fall and Spring terms, and 14 credit hours in the Summer term must obtain permission from the College.

Community/Junior College Transfer Notes
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 junior colleges should complete the following common program prerequisites as part of their Associate of Arts degree: ACCT 2011 (or ACCT 2010 and ACCT 2011), ACCT 2071, ECO 2013, ECO 2023, MAC 2233, STA 2023, (or QMB 2000) 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 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.

2. Subject to the general grade and residence 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 are transferred to the program.

3. Florida Public Community College students are advised to complete the Associate of Arts Degree including:
   a. The general education requirements, including Gordon Rule and CLAS requirements;
   b. All of the common program prerequisite courses.

4. Courses taken at community colleges do not substitute for upper division courses.

5. 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.

6. Professional courses should not be taken at a community/junior college in the areas of Accounting, Economics, Management Information Systems, Management, Marketing, Real Estate, or Finance. These professional areas are third and fourth year course areas in the College of Business Administration and cannot be satisfied with community/junior 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
Undergraduate Student Services
Director: Randall Brumfield; BA 101; 407-823-2184
The Office of Undergraduate Student Services (USS) is the primary office for undergraduate assistance in the College of Business. Degree requirements, registration, and any questions concerning University and College academic policies affecting Business majors should be directed to the Office of Undergraduate Student Services staff in BALL 101 or by calling 407-823-2184. Visit USS’s home page at: http://www.bus.ucf.edu/uss/.

Programs and Degrees

Title                   Degree
Accounting             BSBA, MSA, MST
Business Administration BSBA, MS, Ph.D.
Economics              BSBA, BSBA, MS, Ph.D.
Finance                BSBA
General Business       BSBA
Management             BSBA, MS HR
Marketing              BSBA
Business (Regional campuses only) BABA
Real Estate             BSBA, MSRE

Departments and Programs

Kenneth G. Dixon School of Accounting
Director: R. Roberts, Director; BA 437; 407-823-2871
Assistant to Director: M. Hampton; BA 438; 407-823-8878
Faculty: Allen, Arnold, Bobek, Desai, Durham, Dwyer, Goldwater, Hampson, Hornik, Judd, Kelliher, Klintworth, Lako, Robb, Roberts, Roush, Smith, Sutton, Trompeter, Velt, Welch

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 excellence.
- Over a dozen 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 the accounting and taxation programs.
- Outstanding pass rates on the CPA exam.

Degrees: Accounting (BSBA, MSA, MST, Ph.D.)
Minors: Accounting

Department of Economics
Chair: W. Milton; BA2 305-D; 407-823-3266;
E-mail: economics@bus.ucf.edu
Faculty: Braun, Buhagiar, Butterfield, Caputo, Dickie, Euzent, Gerking, Gibbs, Harrison, Hofler, Martin, McHone, Milton, Moore, Pennington, Potter, Ristrom, Scroggin, Soksin, Underwood, White, Yang
Faculty Advisors: Michael Caputo, BA2 302Q, 407-823-1405; E-mail: mcaputo@bus.ucf.edu; D. Scroggin, BA2 302U, 407-823-4129; N. Underwood, BA2 302N, 407-823-1403

Economic issues dominate today’s news and public debates more than ever before. Inflation, unemployment, health care, economic growth, pollution, poverty, and international economic relations are a focus of these issues. The primary strength of Economics is that it provides a logical, ordered way of looking at most problems and issues. Undergraduate education in Economics equips individuals to both better understand and seek solutions to these issues.

The Department of Economics participates in two undergraduate degree programs: a BSBA degree and a BA 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 BA Program
is to provide a broad-based liberal arts background 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 to provide the analytical skills that will allow them to resolve them.

The Department also offers an accelerated undergraduate/graduate program for highly qualified majors in Economics. The Economics BA/MS program provides a broad liberal arts education and leads to a graduate degree in 5 years.

Distinctive Benefits

- Flexible Curriculum: Students tailor the program to their individual interests through a large selection of tracks and 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.
- Opportunity for strong quantitative and analytical training.
- Student Organizations: The Economics Club is an active student organization linking students to Alumni.
- Excellent preparation for law school admission.

Degrees: Business Economics (BSBA, MS, Ph.D.)
Economics (BA)

Minors: Economics

Department of Finance

Chair: A. Byrd; BA 409; 407-823-3575

Faculty: Ajayi, Anderson, Borde, Botts, Byrd, Chen, Choi, Curcio, Frye, Gatchev, Gilkeson, Gregg, Park, Ramanal, Schnitzlein, Singer, Smith, Sweo, Sturm, Weaver, Whyte

The program in finance is designed to provide the student with broad knowledge in finance, including business finance, investments, financial institutions, international finance, risk management and insurance, and real estate. The program provides the student with the theoretical background and tools of analysis required for making effective financial decisions. The study of finance prepares the student for careers in business financial management, investments, banking and real estate.

Distinctive Benefits

- Students prepare for career opportunities in business and corporate financial management, commercial banking, real estate, investment management and counseling, investment banking, mortgage banking, multinational business, insurance and government.
- Students who major in finance are sought by both financial and non-financial firms.
- The rapidly changing domestic and international economies need individuals who have the skills to make sound financial decisions.

Degrees: Finance (BSBA), Real Estate (BSBA)
Minors: International Business, Real Estate, Finance

Certificates: Banking, Investments, Real Estate Brokerage, Corporate Finance, Mortgage Brokerage, Real Estate Appraisal

General Business

Faculty Advisor: F. Jones; BA 335; 407-823-2679

This option allows students to develop a general program of study which will satisfy career objectives not provided for by the specialized areas of concentration. To pursue this option, students should seek advisement in the Department of Economics. An academic advisor will be assigned to assist each student in developing a meaningful program of study.

Degrees: General Business (BSBA, MBA, Ph.D)
Minors: For non-Business majors

Department of Management

Chair: F. Jones; BA 335, 407-823-2679

Faculty: Ambrose, Becker, Blencke, Boettcher, Cleaver, Connell, Folger, C. Ford, R. Ford, Harris, Holland, Keon, McDonald, Migenes, Nichols, O’Neal, Putkinski La, Putkinskii, L. Quinn, Rockmore, Schminke, Tzabar, Viggiano

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 so that students can choose to concentrate in specialized areas of Entrepreneurship and Human Resource Management, or students can choose to major in General Management which allows them to take a broader variety of course work and prepares them for general management responsibilities.

The General Management track prepares students for a career that involves decision making responsibilities regardless of organization or assignment. The department goal is to emphasize the expertise, knowledge, and skills necessary to be not only a team leader, but ideally a team leader. Whether the student is studying leadership, motivation, staffing, or international management, the curriculum will sharpen students’ skills in problem identification, analysis, and solution. The General Management track can lead to a variety of rewarding careers in management positions throughout the organization. The department offers more specialized training - using the same approach - via our Human Resource Management track. Career paths include positions in training and development, personnel and employee relations, equal opportunity and labor relations, human resource consulting, and more. For students interested in starting their own business or working for smaller fast growing organizations, the department offers specialized training via the Entrepreneurship Track.

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 (MS)
Tracks: General Management, Entrepreneurship, Human Resource Management
Minors: Entrepreneurship

Departments and industries, and from among a multitude of career paths.

Department of Marketing

Chair: R. Michaels; BA2 307; 407-823-2108
http://www.bus.ucf.edu/marketing/

Faculty: Allen, Davis, Desiraju, Ganesh, Gundy, He, Howatt, Joshi, Krishnamoorthy, Mao, Massiah, Mayfield-Garcia, Michaels, Sooder, Stock

The Marketing major at UCF provides a superior education in the foundations of marketing such as research, consumer behavior, professional selling, management, and strategy. A wide assortment of electives is designed to let each student round out his/her education according to specific career interests, whether that might be retailing, advertising, e-business, research, sales, sport marketing, healthcare, entertainment marketing or professional services. Internships are also readily available, and count as a marketing elective. Skills emphasized and developed throughout the curriculum are teamwork, communication, creativity, quantitative analysis, computer skills, problem solving, decision-making, and thinking globally.

The department’s newest offering is the Professional Selling Program, which is a track within the major. Admission to the program is competitive in the Spring of each year; application and interviews are required. Additional information about the program can be found on the Department’s web site.

A great benefit for Marketing majors is the opportunity to earn a certificate in any of seven areas of career interest: Selling and Sales Management, Retailing Management, E-Marketing, Sport Marketing Management, Healthcare Marketing, Entertainment Marketing and
College of Business Administration

Services Marketing. Students can design a personalized certificate program combining elective courses with an internship that will enhance their value to potential employers.

The department offers a 19-hour minor in Marketing. This course of study provides a strong basic education in Marketing for business students with majors other than Marketing or students with majors from other colleges. Earning a minor in Marketing can add significant value and career flexibility for any student with any major.

Marketing is vitally important to all organizations and individuals, from global corporations to small businesses, from CEOs to the proprietors of small retail stores, from global manufacturing operations to a new dot com startup. Nearly one-third of the civilian work force in the United States is employed in jobs related to marketing. Marketing offers a variety of interesting and challenging career opportunities, such as professional selling, retailing, advertising, marketing research, sport marketing, distribution and logistics, purchasing, and e-business. In addition, students with marketing degrees may find excellent job prospects in international markets. Marketing career opportunities also exist in a variety of non-business organizations, including hospitals, museums, universities, and government and social service agencies. Marketing also provides a strong career foundation for movement into top management positions.

Distinctive Benefits
- Curriculum for marketing majors recognized as one of the most innovative in the country.
- Professional Selling Program track offered within the major—competitive entry.
- Seven certificate programs are available for marketing majors.
- A 19-hour marketing minor is available for students with other majors.
- Seventeen dynamic faculty members are among the strongest teachers in the college.
- Comprehensive course offering each semester and summer— you can finish.
- Strong emphasis on preparing students for marketing management careers.
- Approximately 15 scholarships awarded annually on a competitive basis.
- Opportunities to participate in honors in the major and internships.
- Opportunities to participate in student chapters of The Society for Marketing Professional Services (SMPS) and the Sales Club.

Degrees: Marketing (BSBA)
Tracks: Generalist, Professional Selling Program
Minor: Marketing

For more information, visit http://www.bus.ucf.edu/marketing/ or call 407-823-2108. Department office is located in BA2 307S.

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Business Administration are located at: http://www.oeas.ucf.edu/alc/alc_students_cba.htm
The role of the College of Education at the undergraduate level is to provide a high-quality education for students in preparation for careers in early childhood, elementary, secondary/K-12, and exceptional education, technical education and industry training, and sports and fitness professions. The College of Education is dedicated to preparing professional educators as reflective practitioners who meet the needs of our schools and society. UCF’s College of Education is the leading source of education baccalaureate degrees in the State of Florida.

**Success to Significance**
- America's 100 Best Colleges of Education 2005
- Invited to join the Carnegie Corporation of New York – Teachers for a New Era
- State and National Accreditation
- Proven and promising practices
- Partnerships with eleven Central Florida school districts
- 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
- Opportunities to become involved in professional education organizations
- State-of-the-art facilities
- UCF Academy for Teaching, Learning and Leadership
- Toni Jennings Exceptional Education Institute
- Lockheed Martin Academy for Mathematics and Science
- Supporting Teacher Education Pre-Professionals (STEP) Programs
- Teacher Education Assistance for College and Higher Education (TEACH) Grants
- Minority Programs in Education
- Consortium for Social Responsibility and Character in Education
- Early and continuous field experiences
- Internships with highly qualified teachers
- Infusion of multicultural education, ESOL and technology throughout classes
- Majors in Early Childhood, Elementary, Exceptional and English Language Arts Education graduate with an ESOL Endorsement
- Graduates from state approved initial teacher preparation programs are eligible for professional teacher certification
- Transition to Mathematics and Science Teaching Program (T-MAST)
- Florida Marriage and Family Research Institute
Admission to the College of Education

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 community college or state university).
- Have a minimum 2.5 overall GPA; a minimum 2.75 overall GPA is required for Early Childhood Education.
- Pass all four parts of the General Knowledge Test and/or CLAS. It is highly recommended students take and pass the GKT in the Spring Semester of their Sophomore year.
- Complete education common program prerequisite courses with a minimum letter grade of “C-” (1.75) or better and a 2.0 GPA overall in the education common program prerequisite area.

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 Public Community College are cautioned 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. Meet college advising representatives in a group setting during Orientation to:
   a. Discuss College of Education 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
2. Be advised by the College of Education Office of Student Affairs (ED 110) if their major is Education Pending. An appointment is recommended 407-823-3723.
3. Be assigned to an academic advisor in the area of their major upon completion of College of Education admission requirements. The advisor’s name and telephone number appear on the Degree Audit and in myUCF to assist students in making an advising appointment.
4. Purchase and utilize LiveText software at the beginning of the first semester of enrollment in the College of Education based on program requirements.

Continuing students will:

1. Set up an appointment with their academic advisor upon acceptance to their major, or the Office of Student Affairs, 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 a 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. Purchase and 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 Student Affairs

Located in the Education Complex in Suite 110, the Office of Student Affairs is dedicated to facilitating the success of students seeking advisement, assistance, and support in the College of Education. The Office of Student Affairs is composed of Clinical Experiences, Minority Programs in Education (MPIE), Student Services, and the Academic Advising Center.

Mission Statement
The mission of the College of Education Office of Student Affairs is to provide seamless services and resources to current and prospective students including recruitment, pre-advising, orientation, program advising, financial assistance, internships, graduation certification, and graduate education. To promote student success, we collaborate with and support College of Education faculty, administrators, and community partners.

Clinical Experiences

Director: Bryan Zugelder; ED 110, 407-823-2518
http://www.education.ucf.edu/clinicalexperience/

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 practicum experiences, as well as internships. Placement of students is the responsibility of the College of Education’s Office of Clinical Experiences. Students must complete internship experiences in one of the College of Education’s local partnership districts.

Students must be aware: that certain crimes 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 Web site and are approved by the Office of Clinical Experiences.

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 certified supervising teachers. Students are enrolled in a limited number of related professional courses during the experience. Additional courses may be taken only with the consent of the academic program coordinator and department chair. The 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 who meet the following additional requirements at the time of application.
- Have on file passing scores on all 4 parts of the Florida Teacher Certification Examination General Knowledge Test before applying for Internship I.
- A minimum overall GPA of 2.5 or higher.
- Possess minimum specialization GPA of 2.5
- 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 deadlines listed above.
- Meet any special departmental or program requirements
- Be recommended by the faculty of the department of the student’s major.
- The Early Childhood Education program includes a seminar/field experience course in lieu of Internship I.

NOTE: It is highly recommended that students take and pass the FTCE Subject Area Examination before applying for 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 coordinator and department chair. Internship II is a 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 4 parts of the Florida Teacher Certification Examination General Knowledge Test
- It is highly recommended that students take and pass the FTCE Subject Area Exam before applying for Internship II.
- Possess a minimum overall GPA of 2.5 (2.75 required for Early Childhood Education majors).
- 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.
Minority Programs in Education (MPIE)
Sandra L. Bulger, ED 110; 407-823-0184
http://education.ucf.edu/mpie/

Minority Programs in Education (MPIE) is designed to recruit and retain diverse students as they prepare for a career in education. MPIE provides future educators with financial assistance, academic support, and professional development. Each student admitted into the program is paired with a faculty mentor in the College.

Program Objectives
- Recruit and retain diverse students interested in careers in teaching
- Promote academic excellence and foster professional development
- Assist in job placement
- Encourage community involvement and commitment

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 as a degree-seeking undergraduate student
- Minimum semester and overall grade point average of 2.5
- Must be enrolled full-time
- Submit Scholarship Application
- Interview with the Scholarship Application Review Committee
- Submit two letters of recommendation and current resume
- Complete 40 hours of community service for each year the scholarship is received

Application deadlines:
- July 1 for Fall semester
- November 15 for Spring semester

Student Services
Director, Undergraduate Services: Sandra L. Bulger; ED 110; 407-823-3723
Assistant Director, Undergraduate Services: Andrea Small; ED 110; 407-823-3723
Director, Graduate Services: Andrea Withington; ED 110; 407-823-3723
http://education.ucf.edu/studentservices/

Student Services assists students with orientation, registration information, general academic advisement, college and university academic requirements and graduation certification. Education Pending majors are advised in Student Services. Students are assigned an advisor upon meeting College of Education admission requirements. Students are encouraged to make an early appointment with an academic advisor. Information regarding majors offered by the College of Education can be obtained in the Office of Student Affairs or at http://www.studentservices.education.ucf.edu/.

Admission to the University of Central Florida does not imply admission to the College of Education. Students will be allowed to enroll in 3000/4000 level courses taught by the College of Education after they have been admitted to the College. Admission includes having a minimum 2.5 overall GPA (2.75 for Early Childhood Education) and passing scores on the General Knowledge Test (GKT).

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 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.

Alternative Certification for Non-Degree Students
All students who have earned a Baccalaureate degree from an accredited institution and who desire to be certified in Elementary Education must complete an undergraduate or masters degree program in Elementary Education. For other certification areas for which the College has programs, students may elect to complete 1) an undergraduate degree 2) a graduate degree or 3) an alternative program as a post-baccalaureate student. Students must meet regular admission requirements for the College of Education and Teacher Education.
The College of Education Academic Advising Center provides academic advising assistance for newly admitted elementary education students.

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, appointment, and advising sessions.

Information sessions provide students with additional knowledge concerning their degree programs and responsibilities. The dates, times and locations of information sessions will be posted on the College of Education Web site.

**Department of Child, Family, and Community Sciences**

Chair: Anne McDonald Culp; ED 209-E; 407-823-1272
Assistant to the Chair: Roanne G. Brice; ED 206-H; 407-823-0664


Undergraduate academic majors leading to bachelor’s degrees and certification are offered in Child, Family and Community Sciences. Students are responsible for completion of program requirements and are highly encouraged to review their programs with an assigned advisor.

Students who major in Early Childhood Education are qualified to teach Pre-Kindergarten through grade 3 upon graduation and receipt of a Pre-Kindergarten through Primary Florida Teaching Certificate (Pre-Kindergarten Exceptional Student Education is embedded in this certification). Students majoring in Exceptional Education are qualified to teach K-12 in Exceptional Student Education upon graduation and receipt of a Florida Teaching Certificate.

Several graduate level programs are available in the department:


Sport and Fitness, [http://pegasus.cc.ucf.edu/~sportfit/](http://pegasus.cc.ucf.edu/~sportfit/)

See individual program Web sites and the graduate catalog for additional details. You can start by going to the CFCS Web site: [http://education.ucf.edu/cfcs/](http://education.ucf.edu/cfcs/)

**Department of Educational Research, Technology and Leadership**

Chair: Grant Hayes; ED 209-H; 407-823-4835
Assistant to the Chair: Michelle Spinella; ED 206-B; 407-823-0623

Faculty: Alexander-Snow, Atkinson, Bai, Beverly, Boyd, Bozeman, Cintron, Doherty, Gunter, Hahs-Vaughn, Hirumi, McGee, Miller, Murray, B., Murray, K., Pavlas, Sivo, Taylor, Witta

The Department of Educational Research, Technology and Leadership (ERTL) is a graduate department with programs in Educational Leadership K-12, Instructional Technology/Media, and Higher Education and Policy Studies. The Educational Research faculty is responsible for training students college-wide in Educational Research, Measurement and Evaluation.

ERTL is guided by the University mission: “achieving international prominence in key graduate education and research programs, developing a global perspective in the curriculum, promoting inclusiveness and diversity, and helping UCF become America’s leading partnership university; and by the College of Education’s vision of “scholarly leadership in the education profession, well-educated students, rigorous curricula, research and scholarship, promotion of social justice, and service.”

**Department of Educational Studies**

Chair: Karen L. Biraimah; ED 209-B; 407-823-2426
Assistant to the Chair: Brenda Thompson; ED 206-E; 407-823-6579


The Department of Educational Studies serves all students in the College of Education. The Department provides instruction in the core professional courses that address the competencies and skills needed by all undergraduate majors. These courses emphasize learning theory, teaching strategies, diversity, and the social, philosophical and historical foundations. The Department provides courses for all masters and doctoral programs in education, and coordinates the core courses for the Education Doctoral Program and the Graduate Certificate in Initial Teacher Professional Preparation. The Department houses the Specialist in Education program, the M.A. in Applied Learning and Instruction, the M.A. in Curriculum and Instruction and the M.Ed. in Teacher Leadership and Graduate Certificate options in Gifted Education, Urban Education, and Multicultural and Global Education.

Educational Studies graduate courses provide opportunities for students to advance their knowledge and skills related to multicultural, social, and psychological factors, curriculum and instructional theories, and the historical and philosophical factors that influence education. The department also houses the Educational Studies Minor and the Educational Studies Certificate and Substitute Teaching Certificate programs.

**Department of Teaching and Learning Principles**

Chair: Michael Hynes; ED 209-D; 407-823-2005
Assistant to the Chair: Janet Zajac, ED 206-C; 407-823-0523 and Maria Cox, ED 206-D; 407-823-1763


Elementary/Middle Education

The Elementary Education program is designed for prospective teachers interested in the education of children five through twelve years of age. Students who major in elementary education are qualified to teach grades kindergarten through six upon graduation and receipt of a Florida teaching certificate.

Secondary/Post Secondary Education and Training

Programs in this area are designed for prospective teachers/trainees interested in working with students in a specific academic or vocational area in middle/junior high school, high school, selected postsecondary educational settings, and selected technical training settings in business and industry. Specialization is available in Biology, Chemistry, English, Mathematics, Physics, and Social Science Education, and Technical Education and Industry Training. Graduate level programs are available in Art Education, Elementary Education, English Language Arts Education, K-6 Mathematics and Science Education, Mathematics Education, Science Education, Social Science Education, Reading Education and Vocational Education. The Ph.D. in Education is available with tracks in Mathematics Education, Elementary Education, Science Education, Social Science Education, and Art Education.

K-12 Education

Programs in this area are designed for prospective teachers in content areas that may be applied in any school setting from Kindergarten through grade twelve. Specialization is available in Art Education and Foreign Language Education (French or Spanish).

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Education are located at: [http://oeas.ucf.edu/alc/alc_students_coe.htm](http://oeas.ucf.edu/alc/alc_students_coe.htm)
The College of Engineering and Computer Science (CECS) at the University of Central Florida will be recognized nationally and globally for undergraduate and graduate education, research and partnership. CECS will strive to continually increase our national and international visibility. CECS will achieve high standards in all aspects of education, research and technology application. These accomplishments will take place in a College dedicated to diversity, quality, resource expansion and partnerships throughout all of its operations and programs.

College Mission Statement

The CECS primary mission is to further the knowledge and practice of the engineering and computer science professions nationally and internationally by:

- **EDUCATION**: Providing the highest quality and innovative learning/teaching environment in undergraduate and graduate curricula, to prepare a diverse student body to be effective, contributing members of a technological society, and lifelong learners.
- **RESEARCH**: Expanding the knowledge base of engineering and computer science through dynamic research and, applying new discoveries for problem solving.
- **PARTNERSHIPS**: Providing collaborative leadership with external partners in advancing technological breakthroughs for the economic, and social well-being of humankind.
- **OPPORTUNITY**: Extending educational opportunities to technology practitioners locally, nationally, and globally to enhance human performance, and economic, and technical development.

College Core Values

- **Honesty**: Tell the truth and be aboveboard and candid.
- **Integrity**: Be held to the highest standards of trust and accountability.
- **Professionalism**: Adhere to a professional code of ethics, continuing to learn while striving for excellence.
- **Family**: Pursue life outside of the professional environment, giving family a priority.
- **Altruism**: Work as a team; help each other; and sacrifice for the common good. Understand that each individual’s work is part of a larger purpose and plan.

Undergraduate Majors and Degrees

- Aerospace Engineering: BSAE
- 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 Assistant Chair and/or Graduate Coordinator if they have any further questions.

College Vision

The College of Engineering and Computer Science (CECS) at the University of Central Florida will be recognized nationally and globally for undergraduate and graduate education, research and partnership. CECS will take place in a College dedicated to diversity, quality, resource expansion and partnerships throughout all of its operations and programs.
engineer and computer scientist must be aware of the impact of his or her creations on society. In addition to the public health and welfare, aesthetics, economics, and energy-use implications, our graduates also consider environmental, sociological, and other humanistic costs. A degree from the College of Engineering and Computer Science is also recognized as a valuable asset to those entering other professional pursuits such as the medical or law professions, architecture, education, the military professions, or even politics.

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 the School of Electrical Engineering and Computer Science (EECS) and three engineering departments: the Civil, Environmental, and Construction Engineering (CECE) Department, the Industrial Engineering and Management Systems (IEMS) Department, and the Mechanical, Materials and Aerospace Engineering (MMAE) Department. The School of Electrical Engineering and Computer Science is comprised of Computer Science, Information Technology, and Electrical and Computer Engineering. The ROTC Division is made up of the Aerospace Studies Department (Air Force ROTC) and the Military Science Department (Army ROTC).

All components 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, and Mechanical Engineering are accredited by the Engineering Accreditation Commission of ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, Telephone: (410) 347-7700. The Computer Science program is accredited by the Computing Accreditation Commission of ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, Telephone: (410) 347-7700.

The College houses the ROTC Division for those students desiring to pursue military training while earning their degree. The AFROTC program offers a minor in Aerospace Studies, and the AROTC 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 demonstrate an interest in and a capacity for advanced work. To provide this opportunity to undergraduate students in the College, the Honors Program in the College of Engineering and Computer Science offers a unique program that allows selected students to participate in the Honors Program in Engineering (HIME). For further information on the Honors Program in Engineering (HIME), students should visit the Honors Program in Engineering (HIME) website at http://www.ce.ucf.edu/hime/.

To be considered for admission to the Honors Program in Engineering (HIME), students must meet the following criteria:

1. Have at least 60 credit hours, including at least 12 graded, upper division credit hours at UCF.
2. Have a minimum UCF GPA of at least 3.20 in all upper division courses.
3. Have a minimum UCF GPA of 3.50 or more in the Engineering option courses.
4. Have 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 HIME 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. Moreover, each department will award a limited number of graduate scholarships (with tuition waivers) to those who apply for graduate school and have successfully completed this program.

Application for admission to the Honors Program in Engineering (HIME) 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 Donald Malocha, Engineering Building 1, room 114. 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 Enrichment and Academic Development) Scholars Program (see the section on the LEAD Scholars 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 can be found on the College home page at http://www.cecs.ucf.edu, and on the home pages of each department. For more information associated with a particular program, see the listing for that department on the following pages of this catalog.

Department of Civil, Environmental, and Construction Engineering

Chair: Lakshmi N. Reddi; ENG2 211; 407-823-2841; Fax: 407-823-3315
http://www.cecs.ucf.edu

Faculty: Abdel-Aty, Al-Deek, Behzadan, Catbas, Chang, Chopra, Cooper, Duranceau, Hagen, Khalafallah, Mackie, Nnadi, Oloufa, Radwan, Randall, Reddi, Reinhart, Yeh, Yun

The Civil, Environmental, and Construction Engineering Department (CECE) offers baccalaureate degrees in Civil Engineering (BSCE), Environmental Engineering (BSEnVe), and Construction Engineering (BSCoEn).

The Honors in the Major Program

The College of Engineering and Computing 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 would like 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 program represents a total of six credit hours of work. These credit hours are acceptable as technical electives by all programs except for Electrical and Computer Engineering. Electrical and Computer Engineering students in the HIM program use the HIM credits in lieu of Senior Design I and II. These six credit hours consist of an Honors in the Major Seminar titled Research Methods in Engineering (EGN 4931H) (three credit hours), 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. Have a minimum UCF GPA of at least 3.20 in all upper division courses.
3. Have a minimum UCF GPA of 3.50 or more in the Engineering option courses.
4. Have 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. Moreover, each department will award a limited number of graduate scholarships (with tuition waivers) to those who apply for graduate school and have successfully completed this 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 Donald Malocha, Engineering Building 1, room 114. 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 Enrichment and Academic Development) Scholars Program (see the section on the LEAD Scholars 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 can be found on the College home page at http://www.cecs.ucf.edu, and on the home pages of each department. For more information associated with a particular program, see the listing for that department on the following pages of this catalog.

Department of Civil, Environmental, and Construction Engineering

Chair: Lakshmi N. Reddi; ENG2 211; 407-823-2841; Fax: 407-823-3315
http://www.cecs.ucf.edu

Faculty: Abdel-Aty, Al-Deek, Behzadan, Catbas, Chang, Chopra, Cooper, Duranceau, Hagen, Khalafallah, Mackie, Nnadi, Oloufa, Radwan, Randall, Reddi, Reinhart, Yeh, Yun

The Civil, Environmental, and Construction Engineering Department (CECE) offers baccalaureate degrees in Civil Engineering (BSCE), Environmental Engineering (BSEnVe), and Construction Engineering (BSCoEn).
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 minimum of two Project Design Courses, which synthesize vari-
ous pre-requisite course offerings into a design project. These projects
are usually “open-ended” and duplicate real world engineering prob-
lems. The students typically work in small design team groups. The pre-requisites 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.

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 continu-
  ing their studies at the graduate level.
- Show a commitment to ethical practice and professional devel-
  opment by extending their knowledge through continuing educa-
  tion and self-directed life-long learning, professional licensure,
  and service to the profession and society.

Program Outcomes
1. Graduates will solve problems that involve differential and integral
calculus, differential equations, analytical and numerical solutions,
and statistics.
2. Graduates will solve problems that address engineering econom-
ics issues such as life-cycle analysis and the selection of alterna-
tives.
3. Graduates will solve problems involving topics from physics such
as vector mechanics and equilibrium.
4. Graduates will demonstrate knowledge of the role of an engineer
involving ethics, professionalism, engineering practice and licen-
sure.
5. Graduates will demonstrate the ability to conduct experiments,
collect information, and analyze and interpret data.
6. Graduates will demonstrate an ability to communicate their ideas
effectively through written and oral reports.
7. Graduates will demonstrate the ability to work in teams to solve
engineering problems.
8. Graduates will understand the need to continuously update their
knowledge through licensure, continuing education, and participa-
tion in professional societies.
9. Graduates will be able to complete a comprehensive civil engi-
neering design project incorporating the use of design and
regulatory standards, and realistic constraints that could include
contemporary issues such as economics, globalization, societal
impact and safety.
10. Graduates will be able to synthesize skills learned in their program
to solve real-world problems and to generate and evaluate viable
solutions.

The Environmental Engineering Program
The Environmental Engineering major is concerned primarily with the
interactions of humans with 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 minimum
of two Project Design Courses (out of four offered) 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.

Educational Objectives
Within the first several years following graduation, graduates should:
- Be successfully employed or employable in environmental engi-
neering practice in areas such as solid waste, air pollution, water
and wastewater treatment, water resources, or related fields and/
or be continuing their studies at the graduate level.
- Show a commitment to ethical practice and professional develop-
ment by extending their knowledge through continuing education
and self-directed life-long learning, professional licensure, and
service to the profession and society.

Program Outcomes
1. Graduates will solve problems that involve differential and integral
calculus, differential equations, analytical and numerical solutions,
and statistics.
2. Graduates will solve problems that address engineering econom-
ics issues such as life-cycle analysis and the selection of alterna-
tives.
3. Graduates will solve problems involving topics from chemistry
such as stoichiometry, kinetics, equilibrium and gases.
4. Graduates will demonstrate knowledge of the role of an engineer
involving ethics, professionalism, engineering practice and licen-
sure.
5. Graduates will demonstrate the ability to conduct experiments,
collect information, and analyze and interpret data.
6. Graduates will demonstrate an ability to communicate their ideas
effectively through written and oral reports.
7. Graduates will demonstrate the ability to work in teams to solve
engineering problems.
8. Graduates will understand the need to continuously update their
knowledge through licensure, continuing education, and participa-
tion in professional societies.
9. Graduates will be able to complete a comprehensive environmen-
tal engineering design project incorporating the use of design and
regulatory standards, and realistic constraints that could include
contemporary issues such as economics, globalization, societal
impact and safety.
10. Graduates will be able to synthesize skills learned in their program
to solve real-world problems and to generate and evaluate viable
solutions.

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 minimum of two Project Design Courses, (Construction Engineering
Design and Geotechnical Engineering Design), which synthesize vari-
ous pre-requisite course offerings into a design project. These projects
are usually “open-ended” and duplicate real world engineering prob-
lems. 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.
The College of Engineering and Computer Science

4. Promote an environment that is inclusive and diverse.
5. To attain prominence in key areas of Construction Engineering graduate education and research.

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 life-long learning, professional licensure, and service to the profession and society.

Program Outcomes
1. Graduates will solve problems that involve differential and integral calculus, differential equations, analytical and numerical solutions, and statistics.
2. Graduates will solve problems that address engineering economics issues such as life-cycle analysis and the selection of alternatives.
3. Graduates will demonstrate knowledge of estimating, scheduling, project control, resource allocation, risk management, and legal issues.
4. Graduates will demonstrate knowledge of the role of an engineer involving ethics, professionalism, engineering practice and licensure.
5. Graduates will demonstrate the ability to conduct experiments, collect information, and analyze and interpret data.
6. Graduates will demonstrate an ability to communicate their ideas effectively through written and oral reports.
7. Graduates will demonstrate the ability to work in teams to solve engineering problems.
8. Graduates will understand the need to continuously update their knowledge through licensure, continuing education, and participation in professional societies.
9. Graduates will demonstrate proficiency in the design of construction processes, methods, and safety.
10. Graduates will be able to complete a comprehensive real-world construction engineering design project incorporating the use of design and regulatory standards, and realistic constraints that could include contemporary issues such as economics, globalization, societal impact and safety.

The mission statement and objectives for the Civil Engineering, Environmental Engineering, and Construction Engineering programs are electronically posted and routinely updated. More information on the Civil and Environmental Engineering programs can be found on the CECE Department home page at http://www.cece.ucf.edu.

Department Policy for Double Major in Civil, Environmental, and Construction Engineering
The faculty of the Civil, Environmental, and Construction Engineering Department believe that a double major from the department should reflect a significant achievement of students, and therefore a significant increase in knowledge and formal coursework above the requirements for a single degree. Any undergraduate in Civil, Environmental, or Construction Engineering desiring to obtain a double major shall meet the following requirements:
- The student shall meet all individual requirements for each degree.
- The coursework must include two different capstone design courses, one from each program.
- The student shall notify the Chair of his or her intent to pursue a double major by the start of the final academic year (3 semesters) of coursework.
- Completion of requirements for both majors must be in the same semester.
- The same catalog year must be used for both majors.

Additional notes:
- All students, by meeting the requirements for each degree, will be able to represent themselves as a Civil Engineer, an Environmental Engineer, a Construction Engineer or a combination thereof.
- The extra hours represent at least one additional semester of full time enrollment, and represents the minimum requirements for the double major.
- The 17 hours of extra courses required for Civil Engineering majors pursuing Environmental Engineering as a second major would include all the required courses of Environmental Engineering: CHM 2046L, EES 4202C, EES 4111C, ENV 4120, ENV 4341, and a Biological or Earth Science, whichever course was not taken to satisfy the GEP.
- The 21 hours of extra courses required for Environmental Engineering majors pursuing Civil Engineering as a second major includes all the required courses of Civil Engineering, namely: SUR 2101C, CES 4100C, CEG 4011C, TTE 4004, CGN 3501C or EGN 3365, and either CES 4805 or CES 4702.
- The 16 hours of extra courses required for Construction majors pursuing Civil Engineering as a second major includes all the required courses of Civil Engineering, namely: CWR 4101C, CWR 4203C, EGN 3373, EGN 3433, and ENV 4561.
- The 19 hours of extra courses required for Civil Engineering majors pursuing Construction Engineering as a second major would include all the required courses of Construction Engineering: ACG 2071, CCE 4004, CCE 4402, CCE 4813, CCE 4034, and CCE 4810.
- One diploma indicating only one major will be awarded, both majors will be indicated on the student’s transcript. If a student desires two separate diplomas, a B.S.C.E., a B.S.Env.E, and/or a B.S.Con.E., this is permitted, per university policy, for students who have a minimum of 150 credit hours.

School of Electrical Engineering and Computer Science

Director: Issa Batarseh; HEC 437; 407-823-3957

Faculty: Bassiouni, Batarseh, Behal, Behdad, Boloni, Chatterjee, da Vitoria Lobo, DeMaria, Deo, Dutton, Foroosh, Georgiopoulos, Gomez, Gong, A. Gonzalez, Guha, Haralambous, Heinrich, Hu, Hua, Hughes, Jones, Kasparis, Lang, LaViola, Leavens, Lee, Liou, Llewellyn, Malocha, Marinescu, Mikhail, Mukherjee, Oronji, Pattanaik, Qu, Richie, Shah, Shen, Simaan, Stanley, Sukthankar, Sundaram, Tappen, Turgut, Wahid, Wang, Weeks, Wei, Wocijan, Workman, A. Wu, T. Wu, Yuan, Zhang, Zhou, Zou

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, the program offers minors in Computer Science and Information Technology.

The program strives to meet the requirements for professional careers and research in software development and computing systems technology by producing graduates with a broad base of formal course work. Students may use required elective credit to concentrate their degree in one of many research areas, including computational biotechnology, computational complexity, computational geometry, computer architecture, computer graphics, computer networks, computer simulation, computer vision, databases systems, design and analysis of algorithms, distributed computing, digital media, evolutionary computing, graph theory, human-computer interaction, machine learning, mixed and virtual reality, multi-agent systems, natural language processing and knowledge-based systems, neural networks, operating systems, parallel processing, quantum computing, software engineering and VLSI design tools and hardware algorithms.

Research facilities are organized around laboratories directed by faculty members. Facilities in these laboratories change rapidly and are generally funded through external research grants, supplemented by grant matching and startup funds from EECS. To learn about the current status of research facilities and projects, visit faculty web pages. These may be found by following links from the EECS home page at http://www.eecs.ucf.edu.

Mission
The mission of the Computer Science program is to educate majors in the principles and practices of computer science, preparing them for graduate school, for careers in software development and computing technology, and for a lifetime of learning.

Educational Objectives
1. To give CS graduates the knowledge and skills necessary to participate as effective team members or team leaders in the development of large computer and software systems covering a broad range of engineering and scientific applications.
2. Prepare CS graduates for professional careers in roles including, but not limited to, the following: computer programmer, software engineer, software systems designer, software applications developer, technical software project lead, computer systems analyst, computer systems programmer, software applications tester and maintainer.

3. To prepare CS graduates with the knowledge and skills to do advanced studies and research in computer science and related engineering and scientific disciplines.

4. To equip CS graduates with the communication skills, both oral and written, to become effective team-oriented problem solvers as well as effective communicators with non-technical stakeholders in computer and software systems development, maintenance and administration.

Program Outcomes

1. All graduating CS majors, by the time of their graduation, shall be able to apply knowledge of computing and mathematics appropriately to the discipline; specifically to include the application of mathematics, science and engineering to solve and reason about computational problems.

2. All graduating CS majors, by the time of their graduation, shall be able to analyze a problem, and identify and define the computing requirements appropriate to its solution.

3. All graduating CS majors, by the time of their graduation, shall be able to design, implement and evaluate a computer-based system, process, component, or program to meet desired needs and budget, by applying best practices in software development processes, methods, and tools.

4. All graduating CS majors, by the time of their graduation, shall be able to function effectively on teams to accomplish a common goal.

5. All graduating CS majors, by the time of their graduation, shall be able to demonstrate an understanding of professional, ethical, legal, security, and social issues and responsibilities.

6. All graduating CS majors, by the time of their graduation, shall be able to communicate effectively with a range of audiences; in particular, graduating majors shall demonstrate effective oral and written communication skills while disseminating technical information about computing technology and its applications.

7. All graduating CS majors, by the time of their graduation, shall be able to analyze the local and global impact of computing on individuals, organizations and society.

8. All graduating CS majors, by the time of their graduation, shall be able to recognize the need for continuing professional development and shall demonstrate the knowledge of research tools and professional resources necessary to accomplish this end.

9. All graduating CS majors, by the time of their graduation, shall be able to use current techniques, skills, and tools necessary for computing practices.

10. All graduating CS majors, by the time of their graduation, shall be able to apply mathematical foundations and computer science theory, in particular principles of algorithmic design and complexity analysis, in the modeling and design of computer-based systems in a way that demonstrates comprehension of the tradeoffs involved in design choices.

11. All graduating CS majors, by the time of their graduation, shall be able to apply design and development principles in the construction of software systems of varying complexity.

12. All graduating CS majors, by the time of their graduation, shall be able to demonstrate their knowledge of, and ability to apply, programming fundamentals in at least three programming languages.

13. All graduating CS majors, by the time of their graduation, shall be able to demonstrate their knowledge and understanding of, and their ability to apply the concepts and design principles relating to: data structures and algorithms, computer architecture and organization, programming languages, operating systems, and networks.

The Information Technology Program

The Information Technology program offers courses leading to the Bachelor of Science degree in Information Technology. Information Technology encompasses computer hardware, software, peripheral devices and their use in communication networks and information systems. IT-related disciplines include database engineering, network engineering, performance planning, system security, digital media design, and web-content design. The program provides students a strong conceptual core, which will prepare them to be lifelong learners, along with significant hands-on experience. The inclusion of advanced courses in technical writing, ethics in science and technology, human technology interaction, IT system integration, enterprise computing, and web-based IT will prepare these students to deal with the subject areas and communicate in the parlance of the industries in which they choose to work. The curriculum also includes up to 12 hours of free electives that allow students to pursue a minor degree or concentration area such as education, health, business, or criminal justice, to which information technology may be applied.

Mission

The mission of the Bachelor of Science in Information Technology Degree Program is to educate students in the science and practices of information technology, preparing them for a lifetime of learning and for careers in information technology as well as in a wide variety of disciplines that integrate information technology into their respective fields of activity.

Educational Objectives

1. To prepare IT graduates with the knowledge and skills necessary to be effective professional contributors or leaders in the design, administration and management of information technology systems, databases and networks commonly used by industry, government, education, research and non-profit organizations.

2. To prepare IT graduates for professional careers in roles including, but not limited to, the following: IT manager, IT systems analyst, network designer, network administrator, network security administrator, web applications developer, webmaster, database administrator, IT project leader, IT quality assurance specialist.

3. To equip IT graduates with the communication skills, both oral and written, to become effective team-oriented problem solvers as well as effective communicators with non-technical users of information technology systems and applications.

4. To prepare IT graduates with the knowledge and skills to conduct advanced studies and research in disciplines for web-based applications, networking, information storage and retrieval, IT security, electronic commerce.

Program Outcomes

1. Demonstrate expertise in the main content knowledge of information technology.

2. Effectively use information science and technology frameworks (concepts, principles, methods, languages and theories) to design, analyze, and construct solution in a network-based environment.

3. Effectively apply scientific and mathematical principles, methods and techniques to the research and development of emerging technologies in the computing field.

4. Critically analyze and apply a range of information science and systems concepts, principles, and practices in the context of solving problems across a range of information technology problem domains.

5. Develop computer-based applications using the information technology body of knowledge.

6. Employ terminology for information technology accurately and effectively.

7. Use technical writing effectively and professionally for varied audiences.

8. Convey technical material through oral presentations of information technology related topics.

9. Effectively work on teams and critically analyze impact of IT on individuals, organizations, and society.

10. Understand roles and responsibilities of IT on issues related to profession, security, legal, ethics, society, and professional development.

Electrical and Computer Engineering Programs

The Electrical and Computer Engineering programs offer 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.

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
College of Engineering and Computer Science

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 4767C and EEL 4768C), Computer Science I (COP 3502) 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.

Educational Objectives

The objectives of the CoE Program at UCF are that:

1. Graduates demonstrate the technical competence necessary for engineering work in the areas of computer hardware, software, and computer communications.
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.

Program Outcomes

Graduates of the Computer Engineering program should attain:

1. An ability to apply knowledge of mathematics, science, and engineering.
2. An ability to design and conduct experiments, as well as to analyze and interpret data.
3. 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.
4. An ability to function on multidisciplinary teams.
5. An ability to identify, formulate, and solve engineering problems.
6. An understanding of professional and ethical responsibility.
7. An ability to communicate effectively.
8. The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context.
9. A recognition of the need for, and an ability to engage in life-long learning.
10. A knowledge of contemporary issues.
11. An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.
13. Knowledge of advanced mathematics typically including differential equations, linear algebra and complex variables.

The mission statement and objectives for the Computer Engineering and Electrical Engineering programs are electronically posted and continuously updated. More information on the Computer and Electrical Engineering programs can be found on the home page at http://www.ece.ucf.edu.

School of Electrical Engineering and Computer Science

Policies and Procedures

The School’s web site (http://www.eecs.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 e-mail 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: Calabrese, Crompton-Young, Elshennawy, Geiger, Hoekstra, Karwowski, Kolnour, Lee, Malone, McAuley-Bush, Mollaghasemi, Nazzal, Pet-Armacost, Proctor, Rabelo, Reilly, Sala-Diakanda, Sepulveda, Thompson, Williams

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 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 estimation in EIN 3354, to work methods and process flows in EIN 3314, and to facilities design and plant layout in EIN 4364. The design experience concludes with a real-world system design in the two-semester capstone design sequence, EIN 4516 and EIN 4891.

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 produce graduates with the necessary knowledge and skills to assume challenging jobs 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 basic management and inter-personal skills, and ability to professionally grow and develop their careers.
3. To provide the society with graduates who conduct themselves professionally and ethically and who appreciate the impact and importance of their work on society.

Educational Objectives:
1. To produce graduates capable of applying mathematics, science, and engineering fundamentals to practical engineering problems.
2. To produce graduates who recognize that engineering is a service profession that must be practiced with integrity, honesty, and objectivity.
3. To produce graduates capable of designing experiments and analyzing data to characterize problems.
4. To produce graduates capable of designing systems, components, and processes to meet specific needs, and of applying industrial engineering techniques to solve problems.
5. To produce graduates who communicate effectively, both orally and in writing.
6. To produce graduates who contribute to multi-disciplinary team efforts.
7. To produce graduates who are responsible to the industrial engineering profession and to our modern global society.
8. To produce graduates who value life-long learning.

Program Outcomes:
1. Students will be able to apply mathematics, science and engineering fundamentals in classroom and real world projects.
2. Students will make responsible decisions and exhibit integrity in classroom and real world projects.
3. Students will be able to collect, analyze, and interpret data in classroom and project settings as well as drawing meaningful conclusions and developing sound recommendations.
4. Students will effectively utilize industrial engineering design and problem-solving skills in classroom and real world projects.
5. Students will communicate effectively, orally and in writing, to peers and superiors in classroom and real world projects.
6. Students will be able to work with persons of varied backgrounds in classroom and real world projects.
7. Students will incorporate contemporary global, economic, and social perspectives into the practice of industrial engineering.
8. Students will be able to measure the impact of global and societal issues on industrial engineering solutions to modern practical problems.
9. Students will explore options for professional growth, including graduate study, conference attendance, and professional society participation.
10. Students will utilize tools and techniques of industrial engineering to effectively and efficiently design systems, products and processes that meet the needs of the society.


Department of Mechanical, Materials, and Aerospace Engineering
Interim Chair: Louis Chow; ENGR 307: 407-823-2418; Fax 407-823-0208

The Department of Mechanical, Materials, and Aerospace Engineering offers undergraduate degree programs in Mechanical Engineering and Aerospace Engineering. The Aerospace Engineering program is designed to provide a broadly-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 thermo-fluids, mechanical systems and materials, including topics such as solid mechanics, machine design, vibrations, feedback control and mechatronics, fluid mechanics, heat transfer, and structure and properties of materials.

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 curriculum and grows throughout the curricula with increased emphasis on student creativity, open-ended problems, materials selection, design methodology, feasibility considerations, alternative solutions, and concurrent design, and culminates in the senior capstone design courses. The use of computers and written and oral communication are part of the design experiences throughout the programs.

Mission: Aerospace Engineering
In support of the University and College missions, the Aerospace Engineering program at UCF is committed to provide the highest quality engineering professionals and leaders. Through cooperative efforts with regional aerospace industry and the Florida Space Institute, our graduates will be well prepared for their role as engineers in society and will have an awareness of ethical, environmental, economic, safety, and quality issues. They will be educated to be life-long learners, pursuing their personal and professional development. Through these characteristics our graduates will be able to rise to positions of prominence in the technical society of tomorrow.

Educational Objectives:
1. Career Preparation: The program prepares graduates for employment as engineers in aerospace or allied disciplines, and for graduate study in engineering, business, or allied areas. Students will emphasize aeronautical systems or space systems, and will have command of complementing engineering principles. Among the obvious career opportunities are the design and development of aircraft, missiles, and spacecraft systems. Aerospace technologies are also important and applicable to power applications such as turbomachinery. Also, many environmental problems associated with wind effects on buildings, structures, etc., are appropriate to the methods and technology of aerospace engineering.
2. Skills: To prepare graduates with skills enabling them to be productive in their chosen career. These tools include understanding contemporary topics in aerospace technology, command of modern engineering tools, design experience, and professional experience appropriate to their post-graduation goal.
3. Professionalism: To produce graduates who communicate effectively, who understand and undertake professional responsibilities, and who function effectively as members and leaders of multidisciplinary teams.
4. Life-long Learning: To produce graduates who believe that their undergraduate aerospace engineering education was a wise investment and who desire to continue to develop their knowledge and skills throughout their careers.

Program Outcomes
1. An in-depth understanding of engineering principles and aerospace concepts in a core area of engineering. Students emphasizing aeronautics will have a command of aerodynamics, aerospace materials, structures, propulsion, flight mechanics and stability and control. Students emphasizing astronautics will have the command of topics such as orbital mechanics, attitude determination and control, launch processing, space structural dynamics, etc.
2. A broad understanding of engineering, and scientific principles & responsibilities, and the ability to apply these principles to design and analysis.
3. A broad understanding of social, cultural, and ethical principles and responsibilities.
4. An ability to identify, define and solve complex problems that cut across disciplines.
5. An ability to apply math, science, and engineering to problems at the interface between component design and system design.
6. An ability to communicate effectively using appropriate technology and efficiently use information resources.
7. An ability to work collaboratively in multi-disciplinary teams and understand team dynamics.
8. The ability to generate questions and hypotheses, design experiments that will provide meaningful answers, and collect and interpret measurements from aerospace engineering applications.
9. The ability to adapt to sociological and technological change.
10. A significant professional or research experience prior to graduation demonstrating their ability to describe a range of design options, to evaluate the tradeoffs for each option, to understand the need to design for manufacturability and production, and to integrate these concepts to select the best option.
11. The ability to use modern engineering tools in experiments, analysis and design, and to assess the appropriateness of these tools.
12. An understanding of contemporary aerospace engineering applications of technology and their uses in engineering practice.

Mission: Mechanical Engineering
In support of the University and College missions, the Mechanical Engineering program at UCF is committed to provide the highest quality engineering professionals and leaders. Through cooperative efforts with regional industry, our graduates will be well prepared for their role as engineers in society and will have an awareness of ethical, economic, environmental, safety, and quality issues. They will be educated to be life-long learners, pursuing their personal and professional development. Through these characteristics our graduates will be able to rise to positions of prominence in the technical society of tomorrow.

Educational Objectives
1. Career Preparation: The program prepares graduates for employment as engineers in mechanical or allied disciplines, and for graduate study in engineering, business, or allied areas. Students will emphasize mechanical systems, energy systems, or materials, and will have a command of corresponding engineering principles. Among the career opportunities are power generation, mobility engineering, manufacturing, nuclear applications, from zipper to space shuttle.
2. Skills: To prepare graduates with skills enabling them to be productive in their chosen career. These tools include understanding contemporary topics in mechanical technologies, command of modern engineering tools, design experience, and professional experience appropriate to their post-graduation goal.
3. Professionalism: To produce graduates who communicate effectively, who understand and undertake professional responsibilities, and who function effectively as members and leaders of multidisciplinary teams.
4. Life-long Learning: To produce graduates who believe that their undergraduate mechanical engineering education was a wise investment and who desire to continue to develop their knowledge and skills throughout their careers.

Program Outcomes
1. An in-depth understanding of engineering principles and mechanical concepts in a core area of engineering. Students will concentrate on mechanical systems, energy systems or material engineering with an emphasis on design.
2. A broad understanding of engineering, and scientific principles & responsibilities, and the ability to apply these principles to design and analysis.
3. A broad understanding of social, cultural, and ethical principles and responsibilities.
4. An ability to identify, define and solve complex problems that cut across disciplines.
5. An ability to apply math, science, and engineering to problems at the interface between component design and system design.
6. An ability to communicate effectively using appropriate technology and efficiently use information resources.
7. An ability to work collaboratively in multi-disciplinary teams and understand team dynamics.
8. The ability to generate questions and hypotheses, design experiments that will provide meaningful answers, and collect and interpret measurements from aerospace engineering applications.
9. The ability to adapt to sociological and technological change.
10. A significant professional or research experience prior to graduation demonstrating their ability to describe a range of design options, to evaluate the tradeoffs for each option, to understand the need to design for manufacturability and production, and to integrate these concepts to select the best option.
11. The ability to use modern engineering tools in experiments, analysis and design, and to assess the appropriateness of these tools.
12. An understanding of contemporary aerospace engineering applications of technology and their uses in engineering practice.

Reserve Officer Training Corps
Air Force ROTC (Aerospace Studies)
Chair: Col. Michael J. Chandler; Trailer 501, Room 103; 407-823-1247; Fax 407-823-2265
Faculty/Staff: Captain Gray, Captain Lehmann, Captain Johnson, MSgt Fields, SSgt Sutton, and Mrs. Fioramanti, Office Manager

The Department of Aerospace Studies provides pre-commissioning education for qualified students who desire to serve as commissioned officers in the active duty Air Force. The department offers four-year, three-year, and two and a half-year Air Force ROTC programs. The four and three-year program provides on-campus study during the freshman through senior years. The two and a half-year program allows community college transfer students and other students with two and a half academic years remaining in either undergraduate or graduate status to earn an Air Force commission while completing their studies. All programs offer scholarship opportunities to selected students. Students are invited to write or visit the Department of Aerospace Studies to obtain additional information. The curriculum retains sole discretion whether or not any applicant is qualified for pre-commissioning education through the Air Force ROTC program. More information on the Aerospace Studies program can also be found on the UCF AFROTC home page at http://airforce.ucf.edu and the Air Force ROTC home page at http://www.afrotc.com.

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 power into a prime element of American national security.

2. Professional Officer Course (POC)
The Professional Officer Course is designed to develop and hone managerial and officer skills during a student’s junior and senior years. All students who seek a commission through the Air Force ROTC must complete the 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.
Leadership Laboratory

Leadership Laboratory is a 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 determined by the Professor of Aerospace Studies.

Requirements for entry into the Professional Officer Course
- Be at least 17 years of age at the time of acceptance
- Be able to complete the Professional Officer Course and complete all degree requirements prior to reaching age 29 if entering Flight Training, or before age 30 (can be waived to age 35) if entering a non-flying Air Force specialty
- Pass the Air Force Officer Qualifying Test
- Pass an Air Force medical examination
- Pass the Air Force Physical Fitness Assessment each semester
- Selection by the Professor of Aerospace Studies
- Successful completion of a summer Field Training course (either four or five weeks)
- Enlistment in the Air Force Reserve certifying agreement to complete the POC and accept an Air Force Commission. This enlistment is terminated upon receipt of a commission

Monetary Allowance

All contracted students enrolled in the Professional Officer Course receive a tax-free monetary allowance of $450 or $500 per month based on their academic classification.

Air Force ROTC Scholarship Program

Scholarships are phased between two and four years and are awarded on a competitive basis. Dependent on state residency and credit hours, these scholarships may provide for full tuition and fees, and an allowance for textbooks. For additional information on Air Force ROTC call 407-823-1247 or visit our web site at http://airforce.ucf.edu or e-mail us at AFROTC@mail.ucf.edu. This information is subject to change.

Summer Training

All students must attend a summer Field Training course conducted at Maxwell Air Force Base in Montgomery, AL. This course includes junior officer training, officer career orientation, and physical conditioning. Students enrolled in the four-year AFROTC program will attend a four-week summer course, normally upon completion of the General Military Course. A five-week summer course, which includes a modified version of the General Military Course, is required for students entering the two and a half-year AFROTC program. These students must complete their summer training prior to their formal enrollment in the Professional Officer Course curriculum. These students need to contact the department early in the Fall prior to the Summer Field Training.

Officer Commissioning

Students who complete the Professional Officer Course are appointed Second Lieutenants in the United States Air Force. After completing the training program and entering active duty, they will serve a minimum active duty tour which varies in length depending on their particular career area (typically four years). Such obligations are explained in detail during the one-on-one counseling sessions conducted with each candidate by detachment officers.

Army ROTC (Military Science)

Chair: LTC Sean Morgan; Trailer 501, Room 110

Faculty/Staff: LTC (R) Morales, MAJ Celeste, MAJ Smith, CPT Hall, 1LT Alexander, MSG Coella, SFC Satchell, Ms. Brown, Ms. Connor, Mr. Rivera; Ms. Martin, Office Manager; 407-823-2430, Fax 407-823-5324, http://army.ucf.edu

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. To 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 qualify 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 AROT C program can be found on the AROT C 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 hours 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 1001, 1002, 2101, 2102). Students will also participate in a Field Training Exercise (FTX). These gener electives courses are normally taken during the freshman and sophomore years and fulfill pre-requisite requirements for entering the Advanc ed 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 3101, 3202, 4301, 4302) consists of four semesters of classroom instruction of two hours each week and a two hours 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 who want to pursue a commission as a Second Lieutenant must meet pre-requisite requirements to contract and must obtain permission from the department chair prior to participating in the Advanced course. They must also successfully complete a 32-day Leadership Development and Assessment Course at Fort Lewis, WA, 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)
- U.S. Citizen
- A minimum cumulative GPA of 2.0 is required to contract non-scholarship cadets, and a minimum cumulative GPA of 2.5 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, $450.00 during the Junior year and $500.00 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 tuition and fees. In addition, all contracted students also receive the monthly stipend during the school year. Contact the Enrollment 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 waive 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 (Leader Training Course)
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) Northern Warfare Training; d) Cadet Troop Leadership Training; and e) Mountain Training.

3. Leadership Development and Assessment Course (LDAC)
All Advanced Course students must attend and successfully pass a five week camp conducted at Fort Lewis Washington prior to receiving a commission as an Army Officer. This camp evaluates a student’s leadership performance and potential. LDAC waives the 9 hour summer school requirement for Army ROTC Cadets. Students normally attend LDAC the summer following their junior year and receive approximately $800 pay for the training.

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/alc/alc_students_coecs.htm

The College fosters excellence in undergraduate and graduate education, research and community services in health, social and justice services. In addition to a PhD program in Public Affairs the College houses both undergraduate and graduate interdisciplinary programs that contribute to a solid educational foundation in public affairs.

General Requirements for the Bachelor's Degree

Some Schools, Departments or Programs in the College are upper division, limited access or restricted programs. 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 Communication Sciences and Disorders, Criminal Justice and Legal Studies, Health Professions, Health Management & Informatics, and Legal Studies. Application must be made to the appropriate program. Additional information regarding prerequisites and minimum grade point averages may be obtained from the desired School, Program, Department, or College Web site.

The following Departments and Programs do not have restrictions on admissions: Communication Sciences and Disorders, Criminal Justice, Legal Studies, Public Administration, Health Sciences - Pre-Clinical Track, and Health Services Administration.
Department of Communication Sciences and Disorders
Chair: TBA, HPA 101, 407-823-4798
http://www.cohpa.ucf.edu/comdis
Clinic Director: Janet Whiteside, Research Pavilion Suite 155, 407-249-4770


The discipline of communication sciences and disorders involves the prevention, evaluation, management, and study of human communication and its disorders. The undergraduate program is pre-professional 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 seek careers in health and human services; and 3) to obtain licensure and employment as speech-language pathology or audiology 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 an array of 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

Certificates: Communication Sciences and Disorders

Department of Criminal Justice and Legal Studies
Chair: Robert Langworthy, HPA 311, 407-823-2603

The Department of Criminal Justice and Legal Studies includes two undergraduate degree programs: Legal Studies and Criminal Justice. The department supports Lambda Alpha Epsilon, the professional Criminal Justice fraternity, and Alpha Phi Sigma, the Criminal Justice Honor society and Phi Alpha Delta the Legal Studies professional society.

Program in Criminal Justice
Criminal Justice is a problem-based field of study which focuses on the nature of crime and 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.

Program in Legal Studies
The Legal Studies Program provides students with a broad understanding of basic principles of law and the role and function of the legal system. 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. Satisfactory completion of program requirements leads to the degree of Bachelor of Arts or Bachelor of Science with a major in Legal Studies.

Degrees: Criminal Justice (BA, BS, MS), Legal Studies (BA, BS)
Tracks: None

Department of Health Management and Informatics
Chair: Aaron Liberman, HPA 210, 407-823-2359

The mission of the Department of Health Management and Informatics is to be the leading program in training Health Services executives in Central Florida. 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 department offers a baccalaureate degree in Health Services Administration. The baccalaureate degree is designed for students who desire to study the business side of health care. The primary goal of the program in Health Services Administration is to prepare managers to direct a variety of health care organizations such as hospitals, HMO’s, clinics and any other organization involved in the delivery or management of health care services. The undergraduate curriculum is consistent with the curricular requirements of the Association of University Programs of Health Administration, stressing administration, policy and planning skills. A diverse health care community offers students a variety of internship experiences as well as providing placement opportunities upon graduation. Faculty members are actively engaged in research relating to management, conflict resolution, occupational stress, outcome assessment, and integrated delivery mechanisms.

Persons within the health care industry with associate of science degrees in areas such as nursing, respiratory therapy, radiologic technologies, medical laboratory technology, dental hygiene, and others may find this program provides a migration path from the clinical side of the health care industry to the leadership side. Students willing to develop a background in the health care industry can build a solid understanding of the complexity of managing health services organizations.

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 to administration, 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 approved 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 of the year in which admission is sought. 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).
Department of Health Professions

Interim Chair: Aaron Liberman, HPA2 210, 407-823-2214
Faculty: Angelopoulos, Douglass, Gosnell, Hanney, Jamer, McDonough, Fabian, Rothschild, Schellhase, Shack-Dugre, Shideler, Smith, Tucker, Welker, Worrall.

The Department of Health Professions offers a baccalaureate program in Athletic Training as well as, Health Sciences - Pre-Clinical Track for those planning to go on to a graduate clinical professional program.

For admission to the Athletic Training program requires a minimum overall GPA of 2.75. In addition, for admission a minimum grade of “C” (2.0) is required for prerequisite courses and required courses within the program. The program is accredited by the national professional association and graduates are prepared to take the examination for certification.

Program in Athletic Training

The Program in Athletic Training at the University of Central Florida is a six semester program where students complete 12-15 credits per semester 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 an approved clinical instructor and certified athletic trainer. These local affiliation sites include 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 take the National 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). This is a competitive program that requires a separate application process following acceptance into the University. Consent from the program director is required.

Degrees: Athletic Training (BS)
Tracks: None
Minors: None

Program in Health Sciences-Pre-Clinical Track

The Health Sciences-Pre-Clinical Track is a preparatory program for graduation level clinical disciplines for the student who wishes to seek admission to graduate level clinical programs in physical therapy, occupational therapy, and physician assistant. Students with this preparation could also pursue graduate programs in Public Health, Environmental Health, or Health Services Administration.

Degrees: Health Sciences (BS)
Tracks: Pre-Clinical
Minors: Health Sciences

Department of Public Administration

Chair: Mary Ann Feldheim, HPA2 238, 407-823-2604

The Department of Public Administration offers a variety of degrees, minors and a certificate providing students with a broad understanding of public and nonprofit management. The public sector is vast and includes over 20 million employees, and the nonprofit sector has expanded to nearly half that number as governments transition the provision of services through nonprofit organizations. The Department prepares students for professional careers in public service at the city, county, state and federal levels. Currently the public sector in the United States includes over 87,000 governments, of which the federal government is but one. The Bachelor of Arts or Science degrees with a major in Public Administration enable students to attain entry level positions in government and other nonprofit organizations. Those seeking senior management and executive positions are strongly encouraged to pursue the Master of Public Administration (MPA) or Master of Nonprofit Management (MNM). Students with interests that go beyond the Masters level may also pursue a Ph.D. in Public Affairs.

There are numerous public and nonprofit employment opportunities with jobs available in nearly every area of specialization. For instance, public servants include engineers, accountants, fire fighters, police, physicians, nurses, botanists, chemists, nutritionists, project managers, community planners, city and county administrators, social workers, psychologists, psychiatrists, policy analysts, grant writers, contract managers, quality assurance managers and evaluators. The range of employment opportunities is extraordinary and includes a variety of management and staff positions in environmental protection, homeland security, human resources, nonprofit management, urban planning, economic development, policy and administration and emergency management, among others. The salaries are generally competitive with private industry, despite common misconceptions to the contrary. Employment in the public and nonprofit sector provides graduates with the opportunity to “make a difference” in their communities on a national, state or local level.

Degrees: Public Administration (BA, BS, MPA, MNM)
Tracks: None
Minors: Public Administration, Urban and Regional Planning, Emergency Management and Homeland Security, Non-Profit Management Minor with American Humanities National Certification Program
Certificates: Nonprofit Management

School of Social Work

Director: John Romnau, HPA 204, 407-823-2114
Faculty: Abel, Bricout, Buckey, Gammonley, Hall, Kohn, Lambert, Lawrence, Leon, Molina, Ramos, Rothenberg, Steen, Walsh, Withers.

The School of Social Work BSW Program (undergraduate social work program) prepares baccalaureate level students for entry level positions within diverse human service organizations. Today social workers are continuing their efforts in Congress, hospitals, 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 backgrounds to help them find ways to live richer and more productive lives.

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. Our 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.

The strengths perspective is central to the social work profession emphasizing resources, capabilities, resilience, and sees obstacles as challenges. We help anytime, anywhere. Help Starts Here!

The School of Social Work also offers Certificate Programs in Aging Studies and Children’s Services. 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://oeas.ucf.edu/aic/aic_students_cohpa.htm

College of Health and Public Affairs

UNIVERSITY OF CENTRAL FLORIDA

103 Undergraduate Catalog 2010-2011
College of Medicine
Dean: Deborah C. German, University Tower, 3rd Floor; 407-823-1841
http://www.med.ucf.edu/

The University of Central Florida College of Medicine was established in 2006 by the Florida Legislature and the Florida Board of Governors to address the growing physician shortage nationwide and provide economic benefits to Central Florida and the state. The college offers undergraduate and advanced degree programs in biomedical sciences through its Burnett School of Biomedical Sciences, as well as a doctor of medicine (M.D.) degree program, giving students access to a variety of ways to pursue their career dreams.

In August 2009, the college welcomed an outstanding charter class of 41 M.D. students. This class had the highest average MCAT score and GPA of any incoming class of medical students in Florida in 2009, and with more than 4,300 applicants, the college was among the most selective in the nation. Starting 2013, the M.D. program will admit 120 students each year, while the Burnett School is already home to more than 2,500 undergraduate, graduate, and doctoral students. The Burnett School of Biomedical Sciences offers undergraduate majors in the biomedical sciences: Biotechnology, Medical Laboratory Sciences, and Molecular Biology and Microbiology. The school also offers master’s degrees in Molecular Biology and Microbiology and Biotechnology as well as an interdisciplinary doctoral degree in Biomedical Science.

The UCF College of Medicine is a forward-looking medical school with a culture based on partnerships and collaboration. Our 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 undergraduate and graduate programs in the Burnett School of Biomedical Sciences are offered at the UCF main campus. The M.D. program and state-of-the-art biomedical research facilities are an integral part of the growing medical city at Lake Nona. The newly opened Burnett Biomedical Sciences building soon will be joined by the Medical Education building in time for the opening White Coat ceremony on the UCF Health Sciences Campus at Lake Nona in August 2010. The 50-acre UCF Health Sciences Campus at Lake Nona is located about 25 miles south of the Orlando campus.

Burnett School of Biomedical Sciences
Director: P.E. Kolattukudy; BL 136; 407-823-1312; Fax 407-823-0956
Associate Director of Academic Affairs: Roseann White; HPA2 335J; 407-823-5932; Fax 407-823-3095

The Burnett School of Biomedical Sciences in the College of Medicine offers bachelor degrees in Molecular Biology and Microbiology and Biotechnology that prepare students for admission to health professional or graduate programs. The B.S. in Medical Laboratory Sciences provides training for students to work in clinical or hospital laboratories. The School also offers M.S. programs in Molecular Biology and Microbiology, and Biotechnology. Also, it offers a Ph.D. program in the Biomedical Sciences. The UCF College of Medicine provides the UCF Pre-Health Professions Advising Office, 407-823-2670, to assist in the preparation of applicants for admission to professional schools in health sciences. At this time, the School has over 2,300 undergraduate students and as many as 100 graduate students. Faculty and students are conducting research in cancer, cardiovascular, neurodegenerative, and infectious diseases. The Burnett School of Biomedical Sciences houses the Department of Molecular Biology and Microbiology, the Office of Student Services and Advisement, the Biomolecular Science Center, and the Pre-Health Professions Advisement Office.

Programs and Degrees
Program Degree
Molecular Biology and Microbiology B.S., M.S., Minor
Biotechnology B.S., M.S., M.S./M.B.A.
Medical Laboratory Sciences B.S.
Biomedical Sciences Ph.D.

Department of Molecular Biology and Microbiology
Chair: P.E. Kolattukudy; BL 136; 407-823-1312
Associate Chair: Roseann White; HPA2, 335J; 407-823-5932

Faculty: Ahangari; Altomare; Borgon; Bossy-Wetzel; Chai; D. Chakrabarti; R. Chakrabarti; Chan; Cheng; Cole; Daniele; Ebert; Fernandez-Valle; Fu; Gennar; Hitchcock; M. Jewett; T. Jewett; Khaled; Kolattukudy; Lopez; Lopez-Ojeda; Li; Moore; Muller; Naser; Safranek; Samsam; Self; Siddiqi; Singla; Sugaya; Teter; Turkson; Weigel; White; Zervos.

The Department of Molecular Biology and Microbiology offers a Bachelor of Science degree, a Master of Science degree and a Minor in Molecular Biology and Microbiology. The department also offers a Bachelor of Science degree in Medical Laboratory Sciences and a Bachelor of Science degree in Biotechnology. The Molecular Biology and Microbiology programs prepare students for entry into any professional school in health sciences, such as medicine, veterinary, pharmacy, podiatry, physician assistant, physical therapy, optometry, chiropractic and dentistry. Students seeking admission to such professional programs should follow the Molecular Biology and Microbiology Preprofessional Concentration. The Department’s programs also prepare students entering the technical workforce in biotechnology, pharmaceutical and/or any other medical technology industry. The Department is a major partner in the interdisciplinary Ph.D. program in Biomedical Sciences.
The Medical Laboratory Sciences program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS-8410 Bryn Mawr Ave., Ste 670, Chicago, IL 60631) 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)**

**Assistant Director:** Amanda Colee; HPA2 335A; 407-823-4812

**Academic Advisor:** Cynthia Contreras; HPA2 336; 407-823-5787

**Academic Advisor:** Ana Maria Schwindt; HPA2 337; 407-823-1259

E-mail: bcbsonfo@mail.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 Molecular Biology and Microbiology, Biotechnology, and Medical Laboratory Sciences students in orientation, registration, University policies and procedures, major requirements, course substitutions, and graduation certification. Students interested in pursuing Medical Laboratory Sciences limited access program, should meet with an advisor or the Program Director for more information.

**Biomolecular Science Center**

**Director:** P.E. Kolattukudy; BL 136; 407-823-1312

**Ph.D. Coordinator:** Steven Ebert; BL 321A; 407-823-1312

The mission of this university-wide interdisciplinary academic center is to establish vibrant research and training programs under the general theme, “Molecular and Genomic Bases of Diseases and Therapeutics.” The Center research is focused in four areas: cancer, cardiovascular disease, infectious disease, and neurodegenerative disease.

The Biomolecular Science Center currently works with the Office of Research and the broader UCF research community to establish state-of-the-art research infrastructure and core facilities to support research in modern life sciences.

Within the next few years, the Center plans to hire approximately 20 new faculty research teams in Biomedical Sciences within its theme area. Additional faculty will be hired in partnership with other academic units including the College of Optics and Photonics and the Nanoscience and Technology Center. Together with the existing faculty, this growth in biomedical sciences is expected to create a critical mass of people conducting interdisciplinary research at the cutting edge in biomedical sciences that can have a significant impact on the biomedical technology industry of the region and the state.

The Biomedical Sciences Ph.D. is a major vehicle for training students for biomedical research careers in industry, institutes and universities. In addition, the center intends to help establish new degree programs in cooperation with other academic units to generate a skilled work force that can serve the region and state’s growing biomedical biotechnology industry.

**Degrees:** Biomedical Sciences (Ph.D.)

**Tracks:** None

**Minors:** None

**Pre-Health Professions Advisement Office**

**Director:** Genaro Lopez; HPA 124; 407-823-2670

The Pre-Health Professions Advisement Office serves students university-wide in preparing for and seeking admission to professional health science schools, such as medicine, veterinary, pharmacy, podiatry, physician assistant, physical therapy, optometry, chiropractic and dentistry.

For more information regarding this office, please refer back to the “Academic Advising” section of this Undergraduate Catalog.

**Program Academic Learning Compacts**

(student learning outcomes)

for undergraduate programs in the College of Medicine are located at:

http://oas.ucf.edu/alc/alc_students_bcms.htm
The College of Nursing is 11th college to be established at the University. It was established as a Department of Nursing and graduated its first class in 1981. The college has achieved prominence as an innovator in nursing education, responding to a changing population with complex health care needs. The faculty of the college values access to education and embraces opportunities to utilize advanced technology, innovation and creativity to provide graduates with the highest quality education at the baccalaureate, master’s and doctoral levels.

Today’s challenging health care environment provides unique opportunities for nursing. Nurses are needed more than ever to provide evidence-based patient care, serve in leadership roles, teach, engage in research, and influence policy.

The mission of the College of Nursing is to offer high quality undergraduate and graduate academic programs designed to prepare nurses to practice in a continuously changing health care environment; to provide innovative access to education and research; to develop nurse clinicians, leaders and scholars who promote the health of diverse populations in local, national and global communities; and to touch lives lead by example and make a difference through clinical excellence, research and community service.

The College of Nursing offers a Bachelor of Science in Nursing (BSN) degree, the basis for professional nursing practice. The program has three tracks: basic, accelerated and RN to BSN. The basic and accelerated tracks prepare students for initial licensure as a registered nurse. The basic 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 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. RNs may submit applications during any semester. Contact the College of Nursing for specifics on the RN to BSN program. Courses are offered in Orlando, Cocoa, Daytona Beach, Leesburg and Ocala campuses, as well as online.

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 Clinical Nurse Leader, Nurse Educator, and Nursing Leadership and Management. Minimum hours for the degree are 36-49 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.

The Doctor of Nursing Practice (DNP) prepares nurse clinicians and nurse practitioners 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 and MSN 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.

Degrees: Nursing (BSN) (MSN) (PhD) (DNP)
Tracks: RN to BSN, Basic BSN, Accelerated BSN degree, 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 Web site: http://www.nursing.ucf.edu

Academic Advisement
Office of Undergraduate Student Services
HPA 220, 407-823-2744

The College of Nursing Office of Undergraduate Student Services assists 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. Advisors are available through the Outreach Program for students on probation or for those having academic difficulty. Questions concerning university and college academic policies should be directed through this office.

Programs and Degrees
Major Degree
Nursing BSN, MSN, PhD, DNP

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Nursing are located at: http://oebas.ucf.edu/aic/aic_students_con.htm
CREOL, The College of Optics and Photonics

Dean and Director: Bahaa Saleh; 407-823-6800;
E-mail: info@creol.ucf.edu
http://www.creol.ucf.edu

The College of Optics and Photonics is a graduate school for research and education in optics, lasers, and photonics. CREOL (Center for Research and Education in Optics and Lasers), FPCE (Florida Photonics Center of Excellence), and the Townes Laser Institute (TLI) are research centers within the College, but CREOL predates the College by many years and we are best known internationally under this name. CREOL 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.

CREOL, FPCE, and TLI are the research arms of the College, which offers Masters (MS) and Doctoral (Ph.D.) Degrees in Optics. CREOL has become an internationally recognized institute with 40 faculty members, 69 Ph.D. level research scientists, and 146 graduate students. The faculty are recognized as being among the best in the optics/laser/photronics 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 $45 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 research activities 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. Current research areas include: nanophotonics, biophotonics, imaging science, plasmonics, high-speed photonics networks and telecommunications, solid state laser development, nonlinear optics, laser induced damage, quantum-well optoelectronics, photonic information processing, infrared systems, optical system design, image analysis, virtual reality, medical imaging, diffractive optics, optical crystal growth and characterization, high intensity lasers, x-ray optics, EUV sources, optical glasses, liquid crystal devices, laser materials processing, quantum optics, and light-matter interaction. These programs are supported by over $17 million of research grants and contracts annually from numerous federal and state agencies and industry.

Graduate assistantships, with stipends ranging from $20,000 to $26,000, plus full tuition waivers, are available to outstanding students pursuing graduate education in optics and photonics. Research training opportunities are also available to undergraduate students through the Research Experience for Undergraduates (REU) program sponsored by the National Science Foundation, and other research grants and contracts.

CREOL has a very active Industrial Affiliates Program to facilitate strong cooperative relations with industry. The program, with over 60 members, provides industry with benefits of ready access to cutting-edge research and to the expertise and facilities of the College. Faculty members also team with small businesses to help them compete for federally sponsored Small Business Innovative Research (SBIR) programs. The program provides industry with effective ways to contribute to and sustain the research and teaching of optics and photonics.
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; the Nicholson School of Communication; and the National Center for Forensic Science. The College is responsible for all programs in the sciences and the departments collectively offer 50 baccalaureate, graduate, certificate, and pre-professional programs. For additional information concerning graduate programs, please refer to the Graduate Catalog:

http://graduate.ucf.edu/currentGradCatalog/

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, 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 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.

Preprofessional Programs

Prelaw Program

Prelaw Advisor: Roger Handberg; PH 302; 407-823-2608

There is no preferred major for pre-law. Law schools accept superior students with a good liberal arts or science background, regardless of major field. 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 applicants take the Law School Admission Test (LSAT). General information pertaining to programs of study, the LSAT, careers, and law schools can be obtained from the Pre-Law Advisor. Advisement within the major is provided by the department offering the major.

Prehealth Professions

The College of Sciences offers many of the courses that fulfill admission requirements for professional schools in the Health Sciences. Refer to the Biology Preprofessional program of study for additional information.
Advisement
College of Sciences, Academic Services (COSAS)
Director of Undergraduate Services: Lee Anne Kirkpatrick; CSB 250; 407-823-6131; E-mail: cosas@mail.ucf.edu
http://undergrad.cos.ucf.edu/

The College of Sciences Academic Services (COSAS) is the primary office for undergraduate academic advisement for the College of Sciences. COS 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. 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 Web site.

Programs and Degrees

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<td>Forensic Science</td>
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<td>Magazine Journalism</td>
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<td>Mathematics</td>
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<td>Medical Anthropology</td>
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<td>North American Indian Studies</td>
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<td>Physics</td>
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<td>Political Science</td>
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<td>Psychology</td>
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<tr>
<td>Social Sciences Interdisciplinary</td>
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<tr>
<td>Sociology</td>
<td>BA, MA, BS, PhD, Minor</td>
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<tr>
<td>Statistics</td>
<td>BS, MS, Minor</td>
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Departments and Programs

Department of Anthropology
Chair: Arlen F. Chase; PH 309; 407-823-2227; E-mail: anthropology@ucf.edu
http://anthropology.cos.ucf.edu/

Assistant Chair and Graduate Coordinator: Tosha Dupras; PH 309; 407-823-2227

Undergraduate Coordinator: John Schultz; PH 309; 407-823-2227

Faculty: Barber, A., Chasing, Ballantyne, Belfield, Blair, Campiglia, Clausen, Datta-Gupta, Diaz, Dixon, Elsheimer, Frazer, Geiger, Hampton, Hernandez, Hickman, Igarashi, Kolapchikov, Kuebler, Kujawa, Liao, Mattson, Mierzwa, Miles, Miller, Patino, Sigman, Ye, Zou

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, cultural anthropology, and physical anthropology; a minor in Anthropology in Multicultural Studies; a minor in Native American Indian Studies; 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, Native American Indian Studies
Certificates: Crime Scene Investigation (undergraduate), Maya Studies (graduate)

Department of Biology
Chair: C. Ross Hinkle; BL 301; 407-823-2141
E-mail: biology@ucf.edu
http://biology.cos.ucf.edu/

Faculty: Bayer, Borst, Castalesti, Crampton, Fauth, Fedorka, Harris, Hinkle, Hoffman, Jenkins, Logiudice, Morrison-Shetlar, Noss, Parkinson, Quintana-Ascencio, Shetlar, Sotero-Esteve, Stern, Thomas, Vajravelu, Von Holle, von Kalm, Walters, Weishampel, Worthy

Professors Emeritus: Ehrhart, Ellis, Kuhn, Koevenig, Snelson, Stout, Sweet, Taylor

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 PhD in Conservation Biology, and participates in an interdisciplinary Ph.D. program in Biomolecular 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 subdiscipline. 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: Biology Pre-professional (BS)
Minors: Biology

Department of Chemistry
Chair: Kevin D. Belfield; CH 117; 407-823-2246
E-mail: chemstaf@mail.ucf.edu
http://chemistry.cos.ucf.edu/

Associate Chair and Undergraduate Coordinator: Pedro Patino; CH 107A; 407-823-2246

Faculty: Ballantyne, Belfield, Blair, Campiglia, Clausen, Datta-Gupta, Diaz, Dixon, Elsheimer, Frazer, Geiger, Hampton, Hernandez, Hickman, Igarashi, Kolapchikov, Kuebler, Kujawa, Liao, Mattson, Mierzwa, Miles, Miller, Patino, Sigman, Ye, Zou

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 Industrial 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.
College of Sciences

Degrees: Chemistry (BS, MS, PhD), Forensic Science (BS, MS)
Tracks: Chemistry, Biochemistry, Forensic Analysis, Forensic Biochemistry
Minors: Chemistry

Nicholson School of Communication
Director: Robert C. Chandler, NSC 240; 407-823-2683
Assistant Director: Boyd Lindsey, NSC 240A; 407-823-6751
http://communication.cos.ucf.edu/
Nicholson Academic Student Services Center: NSC 143; 407-823-2681; E-Mail: nassc@mail.ucf.edu


Faculty Emeriti: Fedder, O’Keefe, Taylor, Wycoff

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 offer 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. Interpersonal/Organizational 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 journalist (newspapers, magazines, 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.

Departments

Department of Mathematics
Chair: Piotr Mikusinski; MAP 209; 407-823-2826
E-mail: math@mail.ucf.edu
http://math.ucf.edu

Associate Chair/Undergraduate Coordinator: Heath Martin;
MAP 215A; 407-823-5700

Faculty: Brennan, Cannon, Carlsson, Capursi, Choudhury, Clarke, Cleary, Dunlop-Pyle, Dutkay, Dutton, Griffiths, Han, Higgins, Ilias, Ismail, Kassab, Katsevich, Kaup, Lee, Li, Martin, Mikusinski, Mohapatra, Moore, Muhs, Nashed, Neval, Nicholson, Pensky, Qi, Reid, Ren, Richardson, Rolls, Schober, Schweitzer, Shimamoggi, Song, Sun, Swanson, Tamasan, Taylor, Tothos, Vajravelu, Yong, Young, Zhao

The Department of Mathematics offers courses and programs leading to a Bachelor of Science in Mathematics, a minor 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 advanced mathematics as a tool in their specialties.

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 traditional areas of algebra and analysis as well as modern areas of applied and computational mathematics.

The department does not award credit by examination for courses that are regularly taught. Students who feel they know the material in a given course are encouraged to take a more advanced class to fulfill their mathematics requirement. A limited number of student assistantships are available for qualified graduate students.

Degrees: Mathematics (BS, MS, PhD)
Tracks: Applied Mathematics, Computational Mathematics, Engineering/Physics, Mathematical Economics, Mathematics, Pure Mathematics
Minors: Mathematics

Department of Physics
Chair: Talat Rahman; MAP 310; 407-823-2325;
E-mail: physics@ucf.edu
http://physics.cos.ucf.edu/

Associate Chair: Elena Filipstian; MAP 315; 407-823-1156

Faculty: Bhattacharya, Bindell, Britt, Brueckner, Campins, Chernyak, Chow, Colwell, Cooney, Del Barco, Dubey, Effimioiu, Fernandez, Flit-siyani, Harrington, Heinrich, Ishigami, Johnson, Kara, Khondaker, Klemm, Kokouline, Leuenberger, Ngwa, Luo, Martin, Montgomery, Muccioio, Peale, Rahman, Roldan-Cuenya, Saha, Schelling, Schulte, Stolbov, Tatulian, Tommer, Voskodssky; Faculty Emeritus: Bose, Brennan, Llewellyn; Distinguished Professor: Liboff

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 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 (BS, MS, PhD)
Tracks: General Physics, Materials Physics, Optics & Lasers, Computational Physics, Astronomy
Minors: Astronomy, Physics
Department of Political Science

Chair: R. Handberg; PH 302; 407-823-2608; E-mail: politics@ucf.edu
http://politics.cos.ucf.edu/

Associate Chair: Aubrey Jewett; PH 302; 407-823-2608


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 a 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 departmental 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, Quan Li, or Myunghie Kim
- Environmental Studies: Contact Dwight Kiel or Peter Jacques
- European Studies: Contact Kerstin Hamann or Barbara Kinsey
- Global and International Studies: Contact Waltraud Q. Morales or Roger Handberg
- Latin American and Iberian Studies: Contact Waltraud Q. Morales or Bruce Wilson or Annabelle Conroy
- Space Studies: Contact Roger Handberg
- Women's Studies: Contact Terri S. Fine or Annabelle Conroy

Degrees: Political Science (BA, MA), International and Global Studies (BA)
Tracks: American Politics, International Relations & Comparative Politics, PreLaw
Minors: Political Science, Political Science/PreLaw, European Studies, International and Global Studies
Certificates: Diplomacy Certificate

Department of Psychology

Chair: R. Dipboye; PSY 301L; 407-823-2216;
E-mail: psychology@ucf.edu
http://psychology.cos.ucf.edu/

Associate Chair: T. Hernandez; PSY 301; 407-823-2216

Faculty: Azimi, Bedwell, Beidel, Berman, Brophy, Cassisi, Chin, Cox, DeChurch, Dipboye, M. Dunn, S. Dunn, Fouty, Fritzsch, Ghasinejad, Gilson, Hancock, Hernandez, Hickey, Hitt, Janowsky, Jensen, F. Jentsch, K. Jentsch, M. Kennerley, Le, McConnell, McGuire, Mottarella, Mouloua, Murdoch, Negy, Pritchard, Rapport, Reed, Renk, Reynoso, Rinalducci, Salas, Senders, Shirley, Storm, Sims, Smithier, Szalma, Wang, Whitten, Wooten
Faculty Emeritus: Abbott, Burroughs, Morgan, Rollins, Thomas-Jenkins, Tucker

The Undergraduate Psychology Program has two primary missions; to prepare students for graduate training in psychology or related fields, and to provide the skills needed for students to apply the concepts and methods of psychology in their work, their communities, and their lives.

Degrees: Psychology (BS, MA, MS, PhD)
Tracks: None
Minors: Psychology
Certificates: Behavioral Forensics

Department of Sociology

Chair: J. Jasinski

Faculty: Canan, Sc.Carter, Sh.Carter, Cook, Corzine, Ford, Gay, Grauerholz, Huff-Corzine, Jasinski, Lynxwiler, Morris, Mustaine, Pals, Rivera, Sikorska-Simmons, Wright

Sociology includes the study of interpersonal interactions, groups, organizations, and societies through the application of theoretical approaches and the use of qualitative and quantitative methods. Students will be better prepared for careers in any field by being trained in critical thinking and analytical skills, and by being familiar with the theoretical and methodological tools for the study of peoples, groups, and organizations. To this end, we provide state-of-the-art training in an array of courses.

Sociology majors master skills in quantitative and qualitative research methods, communication, and analytical thinking as well as acquiring written and oral presentation skills. These are among the top 10 abilities for which today's employers are looking and are also essential for success in graduate and professional programs. Sociology courses are directly relevant to many contemporary issues, including murder and violent crime, domestic violence, global warming, alcohol and drug abuse, popular culture, healthcare, and changes in the family.

The department offers groups of courses in several areas, including social institutions, the environment, crime and deviance, popular culture, family, and diversity and social inequalities. As such, the B.A. in Sociology provides excellent grounding for a wide range of careers such as teaching, public administration, metropolitan planning, behavioral analysis, legal/court case assessment, law enforcement, marketing research, advertising, public relations, human resources, child welfare officer, victim advocate, convention/events organizer, environmental/social activist, social assistance specialist, information management specialist, and research analyst.

For more information about our nationally acclaimed yet personable faculty and our relevant, flexible major, go to http://sociology.ucf.edu/

Degrees: Sociology (BA, MA, PhD), Social Sciences Interdisciplinary (BS)
Tracks: Domestic Violence (MA)
Minors: Sociology, Social Sciences Interdisciplinary

Department of Statistics

Chair: D. Nickerson; CCII 206; 407-823-5528
http://statistics.cos.ucf.edu/

Faculty: Cutchins, Johnson, Killison, Modisset, Maboudou-Tchao, Ni, Pensky, Pepe, Ren, Richardson, J. Schott, S. Schott, Su, Uddin, Wang

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 assistantships are available for qualified graduate and undergraduate students.

Degrees: Statistics, Actuarial Science
Tracks: Data Mining
Minors: Statistics, Actuarial Science

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Sciences are located at: http://www.oecs.ucf.edu/alc/alc_students_cosci.htm
The Office 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 Faculty Center for Teaching and Learning, the Office of Undergraduate Research, the Office of Interdisciplinary Studies, the Pre-Professional Advising Office, and the McNair and Research and Mentoring Programs. The Dean serves as the final arbitrator for all undergraduate academic appeals.

Academic Services
Associate Dean: TBA; 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 academic policies and graduation requirements. The primary goal of the office is 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 computer records for advisement and graduation certification.

Bachelor of Applied Science
Interim Dean: Elliot Vittes; MH 218; 407-823-2373
http://www.regionalcampuses.ucf.edu/bas/

The Bachelor of Applied Science serves all Associate of Science (A.S.) graduates who desire a Bachelor of Science (B.S.) degree for career advancement or personal accomplishment. 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.

Experiential Learning
Director: Sheri Dressler, FC - 203: 407-823-2667
http://www.explearning.ucf.edu/

This office provides co-op, internship and service-learning courses for students in all colleges through collaboration with college faculty and employers locally, nationally and internationally. Department faculty teach co-op and internship courses, facilitate the development and approval of quality experiential learning courses in colleges through faculty professional development and partnerships, develop and maintain productive relationships with employers, and compile student learning outcome data from applied learning courses campus-wide. Our primary goal is to ensure that students have access to, and include experiential learning courses in, their academic 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.

Faculty Center for Teaching and Learning
Director: Melody Bowdon, CL1-207: 407-823-3544
http://www.fctl.ucf.edu/

The Faculty Center provides support for all the roles of faculty - excellence in teaching and learning, successful research and creative activities, professional advancement, and collaborative endeavors - through multiple formats including workshops, events, consultations, class observations, online resources, publications, and strategic initiatives. This office coordinates the Academic Orientation for new faculty, university-level Undergraduate Teaching and Advising Awards, Scholarship of Teaching and Learning Awards, and assists with mentoring for faculty success.

McNair Scholars Program
Director: Michael Aldarondo-Jeffries, CC II 221; 407-823-1815
http://mcnair.ucf.edu/

The McNair Scholars Program is a U.S. Department of Education TRIO program which provides an enriching educational experience for students from underrepresented groups and first-generation/low-income students to excel as undergraduates, prepare for graduate school and ultimately enter faculty positions. The program works closely with participants through their undergraduate career, encourages their entrance into graduate programs, and tracks their progress to successful completion of advanced degrees. Students participate in research method courses, GRE preparation, faculty-guided research and graduate school visits.

Office of Interdisciplinary Studies
Director: Michael Hampton; Classroom Bldg I, Suite 302; 407-823-0144; E-mail: is@mail.ucf.edu

This 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, MA, MS)
Tracks: Interdisciplinary Studies, Environmental Studies, Women's Studies,
Minors: Environmental Studies, World Comparative Studies, Leadership Studies
Certificates: Leadership Studies, Cultural Tourism

Office of Pre-Professional Advising (OPPA)
Director: Bernard Mackey, Ferrell Commons 215C: 407-823-3033
http://www.oppa.ucf.edu/

The Office of Pre-Professional Advising (OPPA) provides guidance and support to students interested in pursuing careers in the health and legal professions. OPPA provides information about the field of law and a wide variety of health-related fields such as allopathic (M.D.), osteopathic (D.O.), and veterinary (D.V.M) medicine, dentistry, pharmacy, optometry, podiatry, chiropractic, physician assistant, physical therapy, and occupational therapy. These careers require academic study in professional school settings beyond the baccalaureate degree, and OPPA assists “Pre-Professional” Students in any undergraduate major offering academic advising, administrative support, and other activities related to preparing for and applying to professional schools. OPPA’s goal is to enhance the likelihood of success for all Pre-Professional Students who seek acceptance into a professional school.

Research and Mentoring Program
Director: Michael Aldarondo-Jeffries, CC II 221; 407-823-1815
http://ramp.ucf.edu/

The Research and Mentoring Program (RAMP) prepares students for entry into graduate and professional school. Through involvement in research projects and working with faculty mentors, the program provides a supportive educational environment for students. In addition, the students participate in a variety of workshops designed to increase their awareness and knowledge of the graduate and professional school application process. Students from underrepresented groups and first-generation/low-income students are strongly encouraged to apply.

Undergraduate Research
Director: Kimberly Schneider, CC II 209; 407-823-3125
http://www.our.ucf.edu/

UCF offers numerous opportunities for undergraduates to pursue research in various disciplines with the guidance of a faculty mentor. This intensive research opportunity enhances the academic experience and challenges students to strengthen their critical thinking, analytical, and writing skills. The Office of Undergraduate Research strengthens and unifies the research and education missions of UCF. Examples of programs the office administers are: the undergraduate research showcase, the undergraduate research journal, a workshop series, and a student council.

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs for Undergraduate Studies are located at: http://www.oears.ucf.edu/alc/alc_students_us.htm
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 Deans: Tadayuki Hara; 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 represents the second largest employer in the United States and is the major part of the rapidly growing services sector of the economy. 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. 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.

It is the destination for over 49 million tourists each year, has over 400 hotels with 120,000 rooms, 5,000 restaurants, and 75 theme parks and attractions. The industry employs a half million people in the State of Florida and many are in the Central Florida area.

The educational mission of the College is to provide students with the knowledge, skills, and ability to identify opportunities and challenges in the hospitality industry, and to apply creative decision techniques in responding to those opportunities.

The curriculum is designed to prepare students for a broad range of managerial roles across the hospitality industry. It provides both academic preparation and practical experiences that students will need to enter and succeed in a hospitality management career. Students also have the opportunity to experience the work world in hospitality through an internship requirement and through ex-tensive contact with leading hospitality managers in the Central Florida area. There are three undergraduate degrees offered.

The College also houses the Linda Chapin Eminent Scholar Chair in Tourism Management and the Dick Pope Sr. Institute for Tour-ism 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.

The Center for Multi-Unit Restaurant Management and the Darden Eminent Scholar Chair in Restaurant Management provide a unique focus in the curriculum on corporate restaurant management. Students have access through the Center to leading restaurant industry executives. This academic unit is an integral part of the Rosen College of Hospitality Management.

Distinctive Benefits
- A state-of-the-art facility located in the heart of the tourism district in Orlando, Florida with on-campus housing.
- Access to the many hospitality organizations that serve one of the premier tourist destinations in the world.
- Extensive ties with the top leadership of the Orlando area hospitality industry.
- A large number of scholarships made available through the generous support of the industry.
- Outstanding faculty from 17 different countries.
- A faculty committed to continuously improving their knowledge of the hospitality industry as well as their ability to teach that knowledge to their students.
- A required work experience that provides students with practical experiences in the hospitality industry.
- Outstanding opportunities for internships.
- A modern food production laboratory and teaching restaurant completely equipped to provide students with experience in food preparation.
- Multiple endowed chairs and professorships.

Degrees: Event Management (BS), Hospitality Management (BS)
Restaurant and Food Service Management (BS)

Tracks: Theme Park and Attraction Management;
Golf and Club Management

Minor: Hospitality 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/aic/aic_students_rhm.htm
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<th>UCF DEGREE PROGRAMS</th>
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<td>Anthropology</td>
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<td>Applied Science - A.S. to B.S. Track</td>
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<td>Art - History Track</td>
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<td>Art - Visual Arts and Emerging Media Management Track</td>
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<td>Art - B.F.A. - Studio Art Track</td>
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<td>Biology</td>
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<td>Biotechnology</td>
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<td>Civil Engineering</td>
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<td>Communication Sciences and Disorders</td>
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<td>Computer Engineering</td>
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<td>Construction Engineering</td>
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<td>Early Childhood Development and Education - Track 1: Education: Pre-Kindergarten - Primary</td>
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<td>Early Childhood Development and Education - Track 2: Early Childhood Development</td>
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<td>Exceptional Student Education</td>
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<td>Film - B.F.A.</td>
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<td>Foreign Language Education - French</td>
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<td>Foreign Language Education - Spanish</td>
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<td>Forensic Science - Analysis Track</td>
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<td>Forensic Science - Biochemistry Track</td>
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<td>French</td>
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<td>Nursing - R.N. to M.S.N. Option</td>
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<td>Nursing - SCC/UCF A.S.N. to B.S.N. enrollment option</td>
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<td>Theatre - Musical Theatre Track</td>
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<tr>
<td>Theatre Studies</td>
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</tbody>
</table>
MAC 2233  Concepts of Calculus  3 hrs

ECO 3401  Quantitative Business Tools I  3 hrs

ECO 2023  Principles of Microeconomics  3 hrs

CGS 2100C  Computer Fundamentals for Business  3 hrs

ACG 2071  Principles of Managerial Accounting  3 hrs

ACG 2021  Principles of Financial Accounting  3 hrs

ACG 2013  Principles of Managerial Accounting  3 hrs

ECO 2023  Principles of Microeconomics  3 hrs

Select one of the following sequences of courses:

Students must receive a "C" (2.0) or better in both MAC 2233 and STA 2023 to be waived from ECO 3401.

ECO 3401  Quantitative Business Tools I  3 hrs

or

MAC 2233  Concepts of Calculus  3 hrs

STA 2023  Statistical Methods I  3 hrs

3. Core Requirements: Basic Level

(0 hrs)

None

4. Core Requirements: Advanced Level

(32 hrs)

First or subsequent semester in the College of Business Administration:

BUL 3130  Legal and Ethical Environment of Business  4 hrs

ECO 3411  Quantitative Business Tools II  4 hrs

FIN 3403C  Business Finance  4 hrs

† GEB 3031  Comerstone: Professional Skills for Business  3 hrs

GEp 3031L  Comerstone Lab: Professional Skills for Business  1 hr

GEB 3375  Introduction to International Business  4 hrs

† Must be taken in 1st or 2nd semester.

Required courses for major:

(24 hrs)

ACG 3131  Financial Accounting Concepts and Analysis  3 hrs

ACG 3141  Intermediate Financial Accounting II  3 hrs

ACG 3361  Cost Accounting I  3 hrs

ACG 3501  Financial Accounting for Governmental and Nonprofit Organizations  3 hrs

ACG 4401C  Accounting Information Systems  3 hrs

ACG 4651  Auditing  3 hrs

ACG 4803  Contemporary Issues in Accounting Transactions  3 hrs

TAX 4001  Taxation of Business Entities and  3 hrs

5. Restricted Electives

(0 hrs)

None

6. Capstone Requirements

(4 hrs)

MAN 4720  Strategic Management  4 hrs

This course should be taken in the graduating term and requires the following prerequisites:

FIN 3403C  Business Finance  4 hrs

GEB 3031  Comerstone: Professional Skills for Business  3 hrs

MAN 3025  Management of Organizations  4 hrs

MAR 3023  Marketing  4 hrs

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

None

9. Additional Requirements

■ Must complete all Gordon Rule and CLAS requirements, prior to admission to this degree.

■ Students must earn at least 60 credit hours of coursework outside of the College of Business (ECO 2013, 2023, 3401, and 3411 count towards this 60 hour requirement).

■ Students who change degree programs and select this major must adopt the most current catalog.

Students must have a "C" (2.0) or better in each common program prerequisites class.

■ A minimum grade of "C" (2.0) must be earned in each accounting, business law, and tax course completed. Principles of Financial Accounting and Principles of Managerial Accounting are included under this rule.

■ Students in the Accounting major must maintain a 2.0 or higher cumulative Grade Point Average in all 3000 level or higher Accounting or Tax courses taken at UCF. Failure to maintain the required 2.0 Grade Point Average will result in the student being placed on lack of progress in the major. Lack of Progress in the major will continue until such time as the student’s cumulative GPA in all Accounting and Tax courses reaches 2.0 or higher. If a student on lack of progress in the major fails to achieve a 2.0 minimum GPA in Accounting and Tax courses in a subsequent term, that student will be dropped as an accounting major. A student who is dropped may seek re-admission as an Accounting major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving an Accounting and Tax GPA of 2.0 or higher. Readmission is not automatic.
Any student receiving a business degree must complete one half (30) of the 60 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.

- Students must have at least a 2.0 GPA in the College of Business and in the accounting major.
- A grade of “C-” (1.75) or lower is not satisfactory for continuing into other accounting courses and will not count toward graduation for an accounting major.

All students must have credit for a course in each of the following areas:
- English communication arts including written composition
- Oral expression
- Behavioral science such as psychology, anthropology, and sociology
- Humanities
- Political environment of business and society such as political science, public administration, and ethics

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, the CLAS and nine hours of Summer credit (if applicable)

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 at least a 3.2 cumulative GPA including all upper-division courses regardless of institution.
- 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 either:

  Take all of the following sequences:
  - ACG 4903H Honors Directed Reading I or 1 hr
  - ACG 4904H Honors Directed Reading II 1 hr

  and
  - ACG 4970H Undergraduate Honors Thesis 1 hr

1 With approval of the School of Accounting Honors in the Major Coordinator, the Directed Readings or Honors Seminar course will satisfy one of the Area Specialization course requirements toward satisfaction of the course requirements for the Accounting Major.

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- Florida Public Community College 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.
- Professional courses should not be taken at a community/junior college in the areas of Management, Marketing, Real Estate, or Finance. These professional areas are third and fourth year (junior, senior) course areas and cannot be satisfied with freshman, sophomore level courses.
- Any student receiving a business degree must complete one half (30) of the 60 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.
- 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
- 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.
- Courses taken at community colleges do not substitute for upper division courses.

Acceptable Substitutes for Transfer Courses

1 ACG 2021 Principles of Financial Accounting 3 hrs
2 and ACG X011

Plan of Study

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- MAC 1140 Pre-Calculus Algebra 3 hrs
- Cult-Hist I* 3 hrs
- Psy/Ant/Soc 3 hrs
- Science 3 hrs

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- MAC 1140 Pre-Calculus Algebra 3 hrs
- Cult-Hist II* 3 hrs

Sophomore Year - Fall
- Free Elective 3 hrs
- Free Elective 3 hrs
- ACG 2021 Principles of Financial Accounting 3 hrs
- ECO 2023 Principles of Macroeconomics 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

Sophomore Year - Spring
- ACG 2071 Principles of Managerial Accounting 3 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs
- ECO 3401 Quantitative Business Tools I 3 hrs
- MAR 3023 Marketing 4 hrs
- POS 2041 American National Government 3 hrs
### UCF Degree Programs

**Junior Year - Fall**
- ACG 3131 Financial Accounting Concepts and Analysis 3 hrs
- BUL 3130 Legal and Ethical Environment of Business 4 hrs
- GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
- ISM 3011C Essentials of Management Information Systems 4 hrs
- Total GPA averaged 3.4.

**Junior Year - Spring**
- ACG 3141 Intermediate Financial Accounting II 3 hrs
- ECO 3411 Quantitative Business Tools II 4 hrs
- GEB 3375 Introduction to International Business 4 hrs
- MAN 3025 Management of Organizations 4 hrs
- GPA averaged 3.4.

**Senior Year - Fall**
- ACG 3361 Cost Accounting I 3 hrs
- ACG 3363 Cost Accounting II 3 hrs
- ACG 4401C Accounting Information Systems 3 hrs
- FIN 3403C Business Finance 4 hrs
- MAN 3720 Strategic Management 4 hrs
- GPA averaged 3.4.

**Senior Year - Spring**
- ACG 3501 Financial Accounting for Governmental and Nonprofit Organizations 3 hrs
- ACG 4651 Auditing 3 hrs
- ACG 4803 Contemporary Issues in Accounting 3 hrs
- MAN 4720 Strategic Management 4 hrs
- GPA averaged 3.4.

**Application Deadlines:**
- October 1 to be admitted the next Spring term;
- February 1 to be admitted the next Summer term;
- July 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 departmental 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.
- Of the 120 hours required for graduation, 80 hours must be taken outside of the Nicholson School of Communication.
- Of these 80 hours, 65 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 speech class was taken at UCF) of the 120 hour 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.
- 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)

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<th>A: Communication Foundations (9 hrs)</th>
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<td>Required ENC 1101 Composition I 3 hrs</td>
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<tr>
<td>Required ENC 1102 Composition II 3 hrs</td>
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<tr>
<td>Required SPC 1608 Fundamentals of Oral Communication 3 hrs</td>
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<tr>
<th>B: Cultural &amp; Historical Foundations (9 hrs)</th>
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<tr>
<td>Prefer AMH 1300 U.S. History: 1492-1877 3 hrs</td>
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<tr>
<td>Prefer AMH 2020 U.S. History: 1877-Present 3 hrs</td>
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<tr>
<td>Select one course from group B 2. 3 hrs</td>
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<tr>
<th>C: Mathematical Foundations (6 hrs)</th>
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<tr>
<td>Required MGF 1106 Finite Mathematics 3 hrs</td>
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<td>May substitute a more advanced STA course. 3 hrs</td>
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<th>D: Social Foundations (6 hrs)</th>
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<tr>
<td>Required STA 2014C Principles of Statistics 3 hrs</td>
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<tr>
<td>May substitute a higher level course. 3 hrs</td>
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### 2. Common Program Prerequisites (CPP) (0 hrs)

<table>
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<th>E: Science Foundations (6 hrs)</th>
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<tbody>
<tr>
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</tr>
<tr>
<td>Required ECO 2323 Principles of Microeconomics 3 hrs</td>
</tr>
</tbody>
</table>

### Advertising/Public Relations (B.A.)

**College of Sciences**

**Nicholson School of Communication, NSC, Room: 143**

**http://communication.cos.ucf.edu**

**E-mail: adpr@ucf.edu**

Joan McCain - Area Coordinator, jmccain@mail.ucf.edu
Rebecca Morales - Academic Support, rmorales@mail.ucf.edu
Phone: 407-823-2681

**Admission Requirements**

- 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.
- Students must demonstrate acceptable keyboard skills.
- Students must receive a positive evaluation by the School.
- Students must successfully complete the following courses before applying:

<table>
<thead>
<tr>
<th>Complete the following: 6 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADV 3008 Principles of Advertising and Promotion 3 hrs</td>
</tr>
<tr>
<td>PUR 4000 Public Relations 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

### Equipment Fees

- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

### Advertising/Public Relations (B.A.)

**College of Sciences**

**Nicholson School of Communication, NSC, Room: 143**

**http://communication.cos.ucf.edu**

**E-mail: adpr@ucf.edu**

Joan McCain - Area Coordinator, jmccain@mail.ucf.edu
Rebecca Morales - Academic Support, rmorales@mail.ucf.edu
Phone: 407-823-2681

**Admission Requirements**

- 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.
- Students must demonstrate acceptable keyboard skills.
- Students must receive a positive evaluation by the School.
- Students must successfully complete the following courses before applying:

<table>
<thead>
<tr>
<th>Complete the following: 6 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADV 3008 Principles of Advertising and Promotion 3 hrs</td>
</tr>
<tr>
<td>PUR 4000 Public Relations 3 hrs</td>
</tr>
</tbody>
</table>
Select this Speech course:  
SPC 1608  Fundamentals of Oral Communication  0 hr  
GEP

3. Core Requirements: Basic Level  
(6 hrs)
Must be completed before applying to the program:
Complete all of the following:  6 hrs  
ADV 3008  Principles of Advertising and  3 hrs  
PUR 4000  Public Relations  3 hrs

May be completed before or after admission to the program:
Complete the following classes:  hr  
SPC 1608  Fundamentals of Oral Communication and  
STA 2014C  Principles of Statistics  
GEP/ICPP
Complete either economics class:  0 hr  
ECC 2013  Principles of Macroeconomics or  
ECC 2023  Principles of Microeconomics  
GEP/ICPP

4. Core Requirements: Advanced Level  
(21 hrs)
Complete after admission to the program:  
ADV 4101  Advertising Copywriting  3 hrs  
COM 3311  Communication Research Methods  3 hrs  
MMC 3200  Mass Communication Law  3 hrs  
MMC 4411  AD/PR Campaigns  3 hrs  
PUR 3100  Writing for Public Relations  3 hrs  
VIC 3001  Visual Communication  3 hrs
Select one internship:  3 hrs  
ADV 4941  Internship or  3 hrs  
PUR 4941  Internship  3 hrs

5. Restricted Electives  
(12 hrs)
Complete a maximum of 12 credits of the following after admission to the program:  
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 4110C  Public Relations Publications  3 hrs  
PUR 4801  Public Relations Case Studies  3 hrs
You may take either internship, but not both.  3 hrs  
ADV 4941  Internship or  3 hrs  
PUR 4941  Internship  3 hrs

6. Capstone Requirements  
The following Advanced Core 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.

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 40 credit hour cap. The majority of electives should be taken in the Liberal Arts to comply with the 65 hour Liberal Arts requirement.

9. Additional Requirements  
■ None

10. Required Minors  
■ None required. However if a minor 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.
■ Achieve an overall “C” GPA (2.0) in required UCF AD/PR courses. This GPA does not include electives.
■ Before applying to graduate, the CLAS must be completely satisfied.
■ Computer Competency met by the following course or departmental assessment.
■ STA 2014C  Principles of Statistics  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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required  
120

Honors In Major  
■ None

Related Programs  
■ Marketing

Certificates  
■ None

Related Minors  
■ NOTE: Minors taught within the School of Communication are not open to AD/PR majors.
■ Business
■ Digital Media
■ English - Writing
■ Hospitality Management
■ Marketing
■ Political Science
■ Psychology
■ Sociology

Advising Notes  
■ Students must satisfy each course’s prerequisites before enrolling in the class.

Transfer Notes  
■ Lower division courses taken at community colleges 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  
13 hrs
GEP  3 hrs
GEP  3 hrs
Foreign Language  4 hrs
ENC 1101  Composition I  3 hrs
UCF Degree Programs

Freshman Year - Spring

GEP 3 hrs
Foreign Language 4 hrs
ENC 1102 Composition II 3 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs
STA 2014C Principles of Statistics 3 hrs

Sophomore Year - Fall

GEP 3 hrs
GEP 3 hrs
ECO 2023 Principles of Microeconomics 3 hrs
PUR 4000 Public Relations 3 hrs
Free Elective-take outside of NSC. 3 hrs

Sophomore Year - Spring

GEP 3 hrs
GEP 3 hrs
ADV 3008 Principles of Advertising 3 hrs
Free Elective-take outside of NSC. 3 hrs
Free Elective-take outside of NSC. 3 hrs
Application to program

Junior Year - Fall

Restricted Elective 3 hrs
VIC 3001 Visual Communication 3 hrs
Free Elective-take outside of NSC. 3 hrs
Free Elective-take outside of NSC. 3 hrs
Free Elective-take outside of NSC. 3 hrs

Junior Year - Spring

ADV 4101 Advertising Copywriting 3 hrs
COM 3311 Communication Research Methods 3 hrs
MMC 3200 Mass Communication Law 3 hrs
Free Elective-take outside of NSC. 3 hrs
Free Elective-take outside of NSC. 3 hrs

Senior Year - Fall

Restricted Elective 3 hrs
Restricted Elective 3 hrs
PUR 3100 Writing for Public Relations 3 hrs
Select 1: 3 hrs
ADV 4941 Internship or
PUR 4941 Internship 3 hrs
Free Elective-take outside of NSC. 3 hrs
Graduation Review

Senior Year - Spring

Restricted Elective 3 hrs
MMC 4411 ADPR Campaigns 3 hrs
Free Elective-take outside of NSC. 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

Aerospace Engineering (B.S.A.E.)
College of Engineering and Computer Science
Department of Mechanical, Materials, and Aerospace Engineering, Engineering I, Room: 307
http://www.mmae.ucf.edu
E-mail: mmaeugrad@mail.ucf.edu
Dr. Kuo-Chi Lin, klin@mail.ucf.edu, 407-823-0137
Ms. Waheeda Illasarie, willasar@mail.ucf.edu, 407-823-5448
Phone: 407-823-2416

Admission Requirements

None

Degree Requirements

1. UCF General Education Program (GEP) (38 hrs)
   - 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 State University/Community College Systems 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
     - Prefer SPC 1603 Fundamentals of Technical Presentations or
     - 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 2311 Calculus with Analytic Geometry I GEP 4 hrs
   - Required STA 3032 Probability and Statistics for Engineers 3 hrs

   D: Social Foundations (6 hrs)
   - Select 1: 3 hrs
     - Prefer ECO 2013 Principles of Macroeconomics or
     - Prefer ECO 2023 Principles of Microeconomics 3 hrs
   - Select one class from Social Foundations 3 hrs

   E: Science Foundations (7 hrs)
   - Suggested PHY 2048C Physics for Engineers & Scientists 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.

   - ENC 1101 Composition I 3 hrs
   - ENC 1102 Composition II 3 hrs
   - MAC 2311 Calculus with Analytic Geometry I GEP 3 hrs
   - MAC 2312 Calculus with Analytic Geometry II GEP 3 hrs
   - MAC 2313 Calculus with Analytic Geometry III GEP 4 hrs
   - MAP 2302 Differential Equations 3 hrs
   - PHY 2048C Physics for Engineers & Scientists I GEP 3 hrs
   - PHY 2049C Physics for Engineers and Scientists II GEP 3 hrs
   - PHY 2048 Physics for Engineers & Scientists I 4 hrs
   - PHY 2049 Physics for Engineers and Scientists II 4 hrs
   - CHM 2040C Chemistry Fundamentals IA or
   - CHM 2041C Chemistry Fundamentals IB or
   - CHM 2045C Chemistry Fundamentals I or
   - CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs

   - Humanities or Social Sciences

   1 A “C” (2.0) or better is required in this course.
   2 A “C” (2.0) or better is required in this course. Must also take CHM 2041C as 2nd part of sequence.
   3 A “C” (2.0) or better is required in this course. Must also take CHM 2040C as 1st part of sequence.
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.

4. Core Requirements: Advanced Level (54 hrs)
- These courses are a capstone experience to your engineering program and should be completed in your last 2 major years. All engineering students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

5. Restricted Electives (9 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/Approved%20Electives.pdf

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.

7. Foreign Language Requirements
- Two years of one foreign language in high school, or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2040C</td>
<td>Fundamentals of Chemistry for Engineers 4 hrs</td>
</tr>
<tr>
<td>ENC 1101</td>
<td>Composition I 3 hrs</td>
</tr>
<tr>
<td>MAC 2311</td>
<td>Calculus with Analytic Geometry I 4 hrs</td>
</tr>
</tbody>
</table>

Select 1:
- EAS 4700C  Aerospace Design I or 3 hrs
- EGN 4412C  Interdisciplinary Design I 3 hrs

Select 1:
- EAS 4710C  Aerospace Design II or 3 hrs
- EGN 4413C  Interdisciplinary Design II 3 hrs

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, the CLAS and nine hours of Summer credit (if applicable)

<table>
<thead>
<tr>
<th>Total Semester Hours Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>126</td>
</tr>
</tbody>
</table>

Honors in Major
- None

Related Programs
- Mechanical Engineering

Certificates
- None

Related Minors
- Engineering Leadership
- Intelligent Robotic Systems (IRS) - Interdisciplinary

Advising Notes

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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>EAS 3990</td>
<td>Aerospace Career and Academic Faculty 0 hrs</td>
</tr>
<tr>
<td>EAS 4991</td>
<td>Aerospace Career and Academic Faculty 0 hrs</td>
</tr>
</tbody>
</table>

Transfer Notes
- Courses taken from Community Colleges 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.
- EGN 1006C and EGN 1007C are required courses for incoming freshman students only. The two credit hours for these courses may be substituted by an approved Aerospace Engineering Elective for transfer students. However, students may take EGN 1007C in the Spring semester if they do not have knowledge of Mathcad or Matlab.

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.

<table>
<thead>
<tr>
<th>Freshman Year - Fall</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 1006C</td>
<td>1 hr</td>
</tr>
<tr>
<td>ENC 1101</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 2311</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

Select 1:
- CHM 2040C  Chemistry Fundamentals IA or 3 hrs
- CHM 2041C  Chemistry Fundamentals IB or 3 hrs
- CHM 2045C  Chemistry Fundamentals I or 4 hrs

| 1 CHS 1440 | Fundamentals of Chemistry for Engineers 4 hrs |

1 Preferred
UCF Degree Programs

Freshman Year - Spring 15 hrs
EGN 1007C Engineering Concepts and Methods 1 hr
ENC 1102 Composition II 3 hrs
MAC 2311 Calculus with Analytic Geometry II 4 hrs
PHY 2048C Physics for Engineers & Scientists I 4 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs

Freshman Year - Summer 10 hrs
GEP 3 hrs
EMA 3706 Structure and Properties of Aerospace Materials 3 hrs
MAC 2313 Calculus with Analytic Geometry III 4 hrs

Sophomore Year - Fall 13 hrs
EGN 3310 Engineering Analysis-Statics 3 hrs
MAP 2302 Differential Equations 3 hrs
PHY 2049C Physics for Engineers and Scientists II 4 hrs
STA 3032 Probability and Statistics for Engineers 3 hrs

Sophomore Year - Spring 12 hrs
EGM 3601 Solid Mechanics 3 hrs
EGN 3321 Engineering Analysis-Dynamics 3 hrs
EGN 3343 Thermodynamics 3 hrs
EGN 3373 Principles of Electrical Engineering 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
EAS 3010 Fundamentals of Aerospace Flight 3 hrs
1 EAS 3530 Space Systems Concepts 3 hrs
EAS 3800C Aerospace Engineering Measurements 3 hrs
EAS 3990 Aerospace Career and Academic Faculty Advising I 0 hrs
EAS 4200 Flight Structures 3 hrs
EML 3034C Modeling Methods in Mechanical and Aerospace Engineering 3 hrs

1 May choose not to take this course and take EAS 4505 in the Spring semester or may take both and one will count as required and the other an elective.

Junior Year - Spring 15 hrs
Upper Division Elective 3 hrs
EAS 3101 Fundamentals of Aerodynamics 3 hrs
EAS 3810C Design of Aerospace Experiments 3 hrs
EAS 4210 Space Structural Dynamics 3 hrs
1 EAS 4505 Orbital Mechanics 3 hrs

1 This will be used as an elective if EAS 3530 was already taken.

Senior Year - Fall 12 hrs
EAS 4015 Flight Mechanics 3 hrs
EAS 4134 High-Speed Aerodynamics 3 hrs
EAS 4991 Aerospace Career and Academic Faculty Advising II 0 hrs
EMI 4312C Feedback Control 3 hrs

Select 1: 3 hrs
EAS 4700C Aerospace Design I or 3 hrs
EGN 4412C Interdisciplinary Design I 3 hrs

Senior Year - Spring 15 hrs
Upper Division Elective 3 hrs
GEP 3 hrs
Upper Division Elective 3 hrs
EAS 4300 Aerothermodynamics of Propulsion Systems 3 hrs

Select 1: 3 hrs
EAS 4710C Aerospace Design II or 3 hrs
EGN 4412C Interdisciplinary Design I 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

Anthropology (B.A.)
College of Sciences
Department of Anthropology, Philips Hall, Room: 309
http://www.cos.ucf.edu/anthropology
Dr. John Schultz, jschultz@mail.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 associated with the Maya culture in the Central American country of Belize.

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 grade of “C” (2.0) or better in all courses used for the major.
- Co-op or internship credit cannot be used in the major without prior approval.
- Students should consult 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:
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 (6 hrs)
Required ANT 2000 General Anthropology 3 hrs
Select from GEP D.1 list 3 hrs

E: Science Foundations (6 hrs)
Required ANT 2511 The Human Species 3 hrs
Select from GEP E.1 list 3 hrs

2. Common Program Prerequisites (CPP) (0 hrs)
- See Transfer Notes for possible substitutes.
- See “Common Prerequisites” in the Transfer and Transitions Services section.

3. Core Requirements: Basic Level (6 hrs)
ANT 2000 General Anthropology  GEP
ANT 2511 The Human Species  GEP

ANT 2140 Archaeology and the Rise of Human Culture 3 hrs
ANT 2410 Cultural Anthropology 3 hrs
ANT 2511 The Human Species  GEP/CPP
4. Core Requirements: Advanced Level (12 hrs)

ANT 3145  Archaeology of Complex Societies  3 hrs
ANT 3610  Language and Culture  3 hrs
ANT 4034  History of Anthropological Thought  3 hrs
ANT 4566  Human Origins  3 hrs

5. Restricted Electives (21 hrs)

Area Study  3 hrs
- Select at least one of the following courses:
  ANT 3148  Life and Death in Ancient Egypt  3 hrs
  ANT 3152  Indians of the Southwest  3 hrs
  ANT 3158  Florida Archaeology  3 hrs
  ANT 3160  Americas Before Columbus  3 hrs
  ANT 3161  Archaeology of Mexico  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 3311  Indians of the Southeastern United States  3 hrs
  ANT 3312  Ethnology of North American Indians  3 hrs
  ANT 3313  Indians of North America High Plains  3 hrs
  ANT 3314  Indians of the Northeast Woodlands  3 hrs
  ANT 3318  Indians of the Northwest Coast  3 hrs
  ANT 3319  Anthropology of Diaspora  3 hrs
  ANT 3344  Puerto Rican Culture  3 hrs
  ANT 3362  Peoples of Southeast Asia  3 hrs
  ANT 3363  Anthropology of Japan  3 hrs
  ANT 4144  Prehistory of North America  3 hrs
  ANT 4153  North American Archaeology  3 hrs
  ANT 4308  Gender Issues in Latin America  3 hrs
  ANT 4332  People and Cultures of Latin America  3 hrs
  ANT 4340  Caribbean Cultures  3 hrs
  ANT 4352  African Societies and Cultures  3 hrs
  ANT 4354  Postcolonial Africa  3 hrs

Restricted Electives  18 hrs
- Select at least six other Anthropology courses; these may include other area study courses or any other Anthropology courses that may be offered (see below).

6. Capstone Requirements

6.1 Area Study 3 hrs
6.2 Restricted Electives 18 hrs

7. Foreign Language Requirements

7.1 Admissions
- Met by graduation requirement

7.2 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 three semesters equivalent of American Sign Language. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives

8.1 Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements

9.1 None

10. Required Minors

10.1 None

11. Departmental Exit Requirements

11.1 A grade of “C” (2.0) or better in all courses used for the major.

11.2 Students will be required to take a standard exit exam.

11.3 Before applying to graduate, the CLAS must be completely satisfied.

11.4 Computer Competency met by the following:

11.5 University Minimum Exit Requirements

11.5.1 A 2.0 UCF GPA

11.5.2 60 semester hours earned after CLEP awarded

11.5.3 48 semester hours of upper division credit completed

11.5.4 30 of the last 39 hours of course work must be completed in residence at UCF

11.5.5 A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

11.5.6 Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

120

Honors In Major

None

Related Programs

- Social Sciences
- Sociology

Certificates

None

Related Minors

- African American Studies
- American Studies
- Anthropology
- Anthropology in Multicultural Studies
- Asian Studies
- Judaic Studies
- Latin American Area Studies
- Sociology
- Women’s Studies
UCF Degree Programs

Advising Notes
- None

Transfer Notes
- Lower division courses taken at community colleges 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 ANT course satisfies the CPP, the specified courses are required in the core and must be taken regardless.

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
- GEP 3 hrs
- ANT 2000 General Anthropology 3 hrs
- COM 1000 Introduction to Communication 3 hrs
- ENC 1101 Composition I 3 hrs
- MGF 1107 Explorations in Mathematics 3 hrs

Freshman Year - Spring
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- ANT 2511 The Human Species 3 hrs
- ENC 1102 Composition II 3 hrs

Sophomore Year - Fall
- Free Elective 3 hrs
- Restricted Elective 3 hrs
- GEP 3 hrs
- ANT 2140 Archaeology of Complex Societies 3 hrs
- ANT 2410 Cultural Anthropology 3 hrs

Sophomore Year - Spring
- Restricted Elective 3 hrs
- Free Elective 3 hrs
- GEP 3 hrs
- Restricted Elective 3 hrs
- ANT 3610 Language and Culture 3 hrs

Junior Year - Fall
- Foreign Language 4 hrs
- Restricted Elective 3 hrs
- Elective / Minor 2 hrs
- Elective / Minor 3 hrs
- ANT 3145 Archaeology of Complex Societies 3 hrs

Junior Year - Spring
- Foreign Language 4 hrs
- Restricted Elective 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
- ANT 4586 Human Origins 3 hrs

Senior Year - Fall
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
- Free Elective 3 hrs

Senior Year - Spring
- Restricted Elective 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs
- Limited Elective 3 hrs
- ANT 4034 History of Anthropological Thought 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

Applied Science (BAS) A.S. to B.S. Track (B.A.S.)
NOTE: For detailed information, see description of this program in the Statewide Articulated AS to BS Programs section.

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)

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 Community 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.

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 portfolio pin-up 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.

Degree Requirements
- Students who change degree programs and select this major must adopt the current catalog.
- Students should consult with an architecture advisor before selecting the major, and at least annually thereafter.
- Students must earn at least a “C” in each required upper level course and maintain an overall GPA of at least 2.0.
- Completion of at least 120 semester hours of coursework, including all required courses.

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 course will depend on the general education courses completed as part of their earlier coursework. If a student has an A.A. degree from any Florida college or university, they will have satisfied the GEP requirements.

A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (6 hrs)
C: Mathematical Foundations (6 hrs)
D: Social Foundations (6 hrs)
E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (0 hrs)
- Completion of the A.A. in pre-Architecture from VCC or equivalent.

3. Core Requirements: Basic Level (34 hrs)
- A.A. Courses (completed in the A.A. in Architecture from VCC).
- ARC 2461 Materials and Methods of Construction and ARC 2180 Introduction to Digital Architecture are electives in VCC’s architecture program but required for the B.Des. at UCF. See courses below.

ARC 1701 History of Architecture I or equivalent 3 hrs
ARC 2702 History of Architecture II or equivalent 3 hrs
ARC 1301 Architectural Design I 4 hrs
ARC 1302 Architectural Design II 4 hrs
ARC 1201 Theory of Architecture 3 hrs
ARC 2303    Architectural Design III   5 hrs
ARC 2304    Architectural Design IV   5 hrs
ARC 2461    Materials and Methods of Construction   4 hrs
ARC 2180    Introduction to Digital Architecture   3 hrs

4. Core Requirements: Advanced Level    (45 hrs)
   □ Completed as part of the Bachelor of Design program at UCF.
   ARC 3181    Advanced Topics in Digital Architecture   3 hrs
   ARC 3320L   Architectural Design 5   6 hrs
   ARC 3321L   Architectural Design 6   6 hrs
   ARC 3463    Materials and Methods of Construction 2   3 hrs
   ARC 3503    Architectural Structures   3 hrs
   ARC 3610    Environmental Technology 1   3 hrs
   ARC 3743    Architectural History 3   3 hrs
   ARC 4220    Architectural Theory 2   3 hrs
   ARC 4322L   Architectural Design 7   6 hrs
   ARC 4323L   Architectural Design 8   6 hrs
   ARC 4620    Environmental Technology 2   3 hrs

5. Restricted Electives    (0 hrs)
   □ None

6. Capstone Requirements
   □ None

7. Foreign Language Requirements
   Admissions
   □ None
   Graduation
   □ None

8. Electives    (10 hrs)
   □ Unrestricted electives can be any 3000 or 4000 level course offering or equivalent.

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, the CLAS and nine hours of Summer credit (if applicable)

   Total Semester Hours Required
   □ 120

   Honors In Major
   □ None

   Related Programs
   □ None

   Certificates
   □ None

   Related Minors
   □ None

   Advising Notes
   □ None

   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.

   □ Courses taken at community colleges 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
   □ 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

Art B.A. - History Track (B.A.)
College of Arts and Humanities
School of Visual Arts and Design, Visual Arts Building, Room: 117
http://www.svad.ucf.edu/
Margaret Zaho
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.
   □ 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 art history advisor.
   □ 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.
   □ 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 ARH 2050    History of Western Art I   3 hrs
      Required ARH 2051    History of Western Art II   3 hrs
      Select a course from 1.B.1 list   3 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 1.B.1 list   3 hrs

      C: Mathematical Foundations    (6 hrs)
      1 Prefer MGF 1106    Finite Mathematics   3 hrs
      Prefer STA 1060C    Basic Statistics Using Microsoft Excel   3 hrs

      1 may substitute a higher level math

      D: Social Foundations    (6 hrs)

      E: Science Foundations    (6 hrs)
UCF Degree Programs

2. Common Program Prerequisites (CPP) (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 3311 Advanced Expository Writing 3 hrs

5. Restricted Electives (24 hrs)
Select one Non-Western Art History course from the following:
ARH 3728 History of Illustration 3 hrs
ARH 3720 History of Prints 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 3520 African Art 3 hrs
ARH 3610 American Art 3 hrs
ARH 3710 History of Photography I 3 hrs
ARH 3711 History of Photography II 3 hrs
ARH 3720 History of Prints 3 hrs
ARH 3728 History of Illustration 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 four 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 requirements.

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” GPA (2.0) in courses within the major.
  ARH 4912 Directed Independent Research 1 hr
  Computer Competency met by one of the following:
  ARH 3820 Visual Arts Administration Vitas 3 hrs
  GRA 2101C Introduction to Computer Art 3 hrs
  STA 1060C 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 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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Art B.F.A. - Studio Art Track
- Art Education

Certificates
- None

Related Minors
- Art - Studio
- Community Arts - PAVE

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges 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 12 hrs
ARH 2050 History of Western Art I 3 hrs
ENC 1101 Composition I 3 hrs
HUM 2210 Humanistic Tradition I 3 hrs
MGF 1106 Finite Mathematics 3 hrs

Freshman Year - Spring 15 hrs
Restricted Elective 3 hrs
ARH 2051 History of Western Art II 3 hrs
ARH 2500 History of Non-Western Art 3 hrs
ENC 1102 Composition II 3 hrs
STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

Sophomore Year - Fall 15 hrs
ART 2201C Design Fundamentals-Two Dimensional 3 hrs
ART 2300C Drawing Fundamentals I 3 hrs
COM 1000 Introduction to Communication 3 hrs
ENC 3311 Advanced Expository Writing 3 hrs
POS 2041 American National Government 3 hrs

Sophomore Year - Spring 15 hrs
ANT 2000 General Anthropology 3 hrs
ARH 4540 Art of India 3 hrs
BSC 1005 Biological Principles 3 hrs
CHM 1020 Concepts in Chemistry 3 hrs
SPN 1120C Elementary Spanish Language and Civilization I 4 hrs

Junior Year - Fall 15 hrs
ARH 3710 History of Photography I 3 hrs
ARH 4310 Italian Renaissance Art 3 hrs
ARH 4450 20th Century Art 3 hrs
ARH 4653 Meso American Art 3 hrs
SPN 1121C Elementary Spanish Language and Civilization II 4 hrs
Art B.A. - Studio Track (B.A.)

College of Arts and Humanities
School of Visual Arts and Design, Visual Arts Building,
Room: 117
http://www.svad.ucf.edu
E-mail: svad@mail.ucf.edu
Ms. Donna Mercado, 407-823-1708

Note: Although the School maintains a computer lab for student use, students must have continual access to a lap top 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 junior level students in this program must satisfactorily complete the mandatory ART 3950 - Portfolio Review before 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.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- 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 in their specialization.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the School of Visual Art and Design. Nine of these hours must be in an area of specialization.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

UCF Degree Programs

Junior Year - Spring 15 hrs
Restrictive Elective 3 hrs
ARH 3711 History of Photography II 3 hrs
ARH 4430 19th Century Art 3 hrs
ARH 4800 Theory and Criticism of the Visual Arts 3 hrs
SPN 2200 Intermediate Spanish Language and Civilization I 3 hrs

Senior Year - Fall 15 hrs
Restrictive Elective 3 hrs
Restrictive Elective 3 hrs
Restrictive Elective 3 hrs
ARH 4350 Baroque Art 3 hrs
ARH 4XXX 3 hrs

Senior Year - Spring 15 hrs
Restrictive Elective 3 hrs
Restrictive Elective 3 hrs
Restrictive Elective 3 hrs
ARH 4170 Greek & Roman Art 3 hrs
ARH 4XXX 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

1. UCF General Education Program (GEP) (36 hrs)

A: Communication 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 1.B.1 List 3 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 1.B.1 List 3 hrs

C: Mathematical Foundations (6 hrs)
- Prefer MGF 1106 Finite Mathematics 3 hrs
- Prefer STA 1060C Basic Statistics Using Microsoft Excel 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 2203C Design Fundamentals-Three Dimensional 3 hrs
- ART 2200C Design Fundamentals 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 (0 hrs)
- None

5. Restricted Electives (27 hrs)
- Select nine upper division courses from at least three areas:

Art History
- Any upper level ARH course

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
1 ART 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
1 ART 4644C Books Without Books 3 hrs

1 May be repeated for credit.

Ceramics
- ART 3761C Intermediate Ceramics 3 hrs
1 ART 4783C Advanced Ceramics 3 hrs

1 May be repeated for credit.

Drawing and Printmaking
- ART 3332C Intermediate Drawing 3 hrs
- ART 3433C Screenprinting 3 hrs
1 ART 4320C Advanced Drawing 3 hrs
1 ART 4402C Advanced Printmaking 3 hrs

1 May be repeated for credit.

Illustration
- GRA 2151C Illustration 3 hrs
1 GRA 4154C Advanced Illustration 3 hrs

1 May be repeated for credit.

Painting
- ART 3504C Intermediate Painting 3 hrs
1 ART 4505C Advanced Painting 3 hrs

1 May be repeated for credit.
UCF Degree Programs

Photography
PGY 2401C Beginning 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 2701C Sculpture 3 hrs
1ART 4710C Advanced Sculpture 3 hrs

1 May be repeated for credit.

Type and Design
GRA 3202C Type & Design 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 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
- 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, and 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:
  GRA 2101C Introduction to Computer Art 3 hrs
  STA 1060C 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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Art B.A. - Visual Arts and Emerging Media Management Track
- Art B.F.A. - Emerging Media Track
- Art Education

Certificates
- None

Related Minors
- Digital Media

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges 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.
GRA 2101C Introduction to Computer Art 3 hrs
- may be substituted with:
  3 hours of any digital art course;
however, GRA 2101C is a prerequisite for subsequent art courses and will need to be taken for the major

Plan of Study

Freshman Year - Fall 15 hrs
ARH 2050 History of Western Art I 3 hrs
ART 2823 Art as Interface 3 hrs
ENC 1101 Composition I 3 hrs
HUM 2210 Humanistic Tradition I 3 hrs
MGF 1106 Finite Mathematics 3 hrs

Freshman Year - Spring 15 hrs
Restricted Elective 3 hrs
ARH 2051 History of Western Art II 3 hrs
ART 2201C Design Fundamentals-Two Dimensional 3 hrs
ENC 1102 Composition II 3 hrs
STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

Sophomore Year - Fall 15 hrs
ART 2203C Design Fundamentals-Three Dimensional 3 hrs
ART 2300C Drawing Fundamentals I 3 hrs
COM 1000 Introduction to Communication 3 hrs
GRA 2101C Introduction to Computer Art 3 hrs
POS 2041 American National Government 3 hrs

Sophomore Year - Spring 15 hrs
ANT 2000 General Anthropology 3 hrs
ARH 2500 History of Non-Western Art 3 hrs
ART 2301C Drawing Fundamentals II 3 hrs
ART 3950 Portfolio Review 0 hrs
BSC 1005 Biological Principles 3 hrs
CHM 1020 Concepts in Chemistry 3 hrs

Junior Year - Fall 16 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
ART 3332C Intermediate Drawing 3 hrs
GRA 2151C Illustration 3 hrs
1SPN 1120C Elementary Spanish Language and Civilization I 4 hrs

1 Any language at this level is acceptable.

Junior Year - Spring 16 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
ART 3161C Mixed Media 3 hrs
ART 4320C Advanced Drawing 3 hrs
1SPN 1121C Elementary Spanish Language and Civilization II 4 hrs

1 Any language at this level is accepted.

Senior Year - Fall 15 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
ART 4350 Baroque Art 3 hrs
ART 4320C Advanced Drawing 3 hrs
PGY 3410C Intermediate Photography 3 hrs

Senior Year - Spring 15 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
ARH 4430 19th Century Art 3 hrs
GRA 4154C Advanced Illustration 3 hrs
PGY 4420C Advanced Photography 3 hrs
### UCF Degree Programs

#### 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: $31.50 per term
- Full-Time Student: $63.00 per term

#### Art B.A. - Visual Arts and Emerging Media

**Management Track (B.A.)**

**College of Arts and Humanities**

**School of Visual Arts and Design**

Mr. Jack Lew, 407-823-2676

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
- 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 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 specialization.

- Students must earn at least a “C” (2.0) in each required course, except DIG 2000 as noted.

- Co-op internship credits are not permitted in this major without prior written permission.

- Students should consult with a School advisor prior to selecting a specialization and at least annually thereafter.

#### 1. UCF General Education Program (GEP) (36 hrs)

<table>
<thead>
<tr>
<th>Category</th>
<th>Requirements</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>A: Communication Foundations</td>
<td>(9 hrs)</td>
<td></td>
</tr>
<tr>
<td>B: Cultural &amp; Historical Foundations</td>
<td>(9 hrs)</td>
<td></td>
</tr>
<tr>
<td>Take all of the following:</td>
<td>6 hrs</td>
<td></td>
</tr>
<tr>
<td>Suggested</td>
<td>ARH 2050 History of Western Art I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Suggested</td>
<td>ARH 2051 History of Western Art II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Select a course from group B.1 or B.2</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>C: Mathematical Foundations</td>
<td>(6 hrs)</td>
<td></td>
</tr>
<tr>
<td>Prefer</td>
<td>MGF 1106 Finite Mathematics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Prefer</td>
<td>STA 1060C Basic Statistics Using Microsoft Excel</td>
<td>3 hrs</td>
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</tbody>
</table>

| 1 | (may substitute a higher level math) |

#### 2. Common Program Prerequisites (CPP) (24 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 2050</td>
<td>History of Western Art I</td>
<td>GEP</td>
</tr>
<tr>
<td>ARH 2051</td>
<td>History of Western Art II</td>
<td>GEP</td>
</tr>
<tr>
<td>ART 2201C</td>
<td>Design Fundamentals-Two Dimensional</td>
<td>3 hrs</td>
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<tr>
<td>ART 2203C</td>
<td>Design Fundamentals-Three Dimensional</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2300C</td>
<td>Drawing Fundamentals I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2301C</td>
<td>Drawing Fundamentals II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2302C</td>
<td>Drawing Fundamentals III</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GRA 2101C</td>
<td>Introduction to Computer Art</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

| 1 | See “Common Prerequisites” in the Transfer and Transitions Services section for more information |

#### 3. Core Requirements: Basic Level (6 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 2500</td>
<td>History of Non-Western Art</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2823</td>
<td>Art as Interface</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### 4. Core Requirements: Advanced Level (7 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 3950</td>
<td>Portfolio Review</td>
<td>0 hrs</td>
</tr>
<tr>
<td>GEB 3031</td>
<td>Cornerstone: Professional Skills for Business</td>
<td>3 hrs</td>
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</tbody>
</table>

#### 5. Restricted Electives (21 hrs)

<table>
<thead>
<tr>
<th>Restrictions</th>
<th>Electives</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select restricted electives as required from each of these four areas of emphasis:</td>
<td>Aesthetics and Theory</td>
<td>6 hrs</td>
</tr>
<tr>
<td>Select 2:</td>
<td>ARH 3417</td>
<td>Art in the Last 25 Years</td>
</tr>
<tr>
<td></td>
<td>ARH 3710</td>
<td>History of Photography I</td>
</tr>
<tr>
<td></td>
<td>ARH 3711</td>
<td>History of Photography II</td>
</tr>
<tr>
<td></td>
<td>ARH 3720</td>
<td>History of Prints</td>
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<td>ARH 4450</td>
<td>20th Century Art</td>
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<td>ARH 4800</td>
<td>Theory and Criticism of the Visual Arts</td>
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<td>FIL 3041</td>
<td>History of Animated Films I</td>
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<td>FIL 4042</td>
<td>History of Animated Films II</td>
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<tr>
<td></td>
<td>PHI 3800</td>
<td>Aesthetics</td>
</tr>
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</table>

| Written Communication | 3 hrs |
| Select 2: | DIG 3024 | Digital Cultures & Narrative | 3 hrs |
| ENC 3240 | Writing for the Technical Professional | 3 hrs |
| ENC 3250 | Professional Writing | 3 hrs |
| ENC 3311 | Advanced Expository Writing | 3 hrs |

| Information Management | 6 hrs |
| Select 2: | DIG 3480C | Computer as a Medium | 3 hrs |
| DIG 3525 | Digital Media Production I | 3 hrs |
| DIG 3563 | Information Management and Entrepreneurship | 3 hrs |
| DIG 3716C | Internet Interaction | 3 hrs |
| DIG 4630C | Media Business Practices | 3 hrs |
| DIG 5565C | Digital Asset Management Systems | 3 hrs |

| Business | 3 hrs |
| Select 1: | BUL 3130 | Legal and Ethical Environment of Business | 4 hrs |
| 1 GEB 3113 | How to Start a Business | 3 hrs |
| MAN 3025 | Management of Organizations | 4 hrs |
| MAR 3023 | Marketing | 4 hrs |

| Arts Management | 3 hrs |
| Select one: | ARE 3944 | Community Arts Practicum | 3 hrs |
| ARE 4262 | Methods in Art Administration | 3 hrs |
| ARH 3820 | Visual Arts Administration | 3 hrs |
| FIL 4647 | Film Production Management | 3 hrs |
| FIL 5612 | Film and Internet Business | 3 hrs |
| PGY 3480 | Museum and Gallery Practices | 3 hrs |

| 6. Capstone Requirements | DIG 4855 | Converging Media Capstone | 3 hrs |

| 7. Foreign Language Requirements | 129 Undergraduate Catalog 2010-2011 |
UCF Degree Programs

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, and 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
- 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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Art B.F.A. - Studio Art Track
- Art B.A. - History Track
- Art Education

Certificates
- None

Related Minors
- Community Arts - PAVE
- Digital Media
- Technological Entrepreneurship

Advising Notes
- None

Transfer Notes
- Grades less than a “C” (2.0) are not accepted.
- Courses taken at community colleges 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 supporting information.

Acceptable Substitutes for Transfer Courses
- Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
- GRA 2101C: may substitute 3 hours of any digital art course, however, GRA 2101C is a prerequisite for subsequent art courses and will need to be taken for the major.

Plan of Study

Freshman Year - Fall 15 hrs
- ARH 2050 History of Western Art I 3 hrs
- ART 2823 Art as Interface 3 hrs
- ENC 1101 Composition I 3 hrs
- HUM 2210 Humanistic Tradition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs

1 req #181-GEP
2 req #1C1-GEP

Freshman Year - Spring 15 hrs
- Supporting Elective 3 hrs
- ARH 2051 History of Western Art II 3 hrs
- ART 2201C Design Fundamentals-Two Dimensional 3 hrs
- ENC 1102 Composition II 3 hrs
- STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

1 Check restrictions
2

Sophomore Year - Fall 15 hrs
- ART 2203C Design Fundamentals-Three Dimensional 3 hrs
- ART 2300C Drawing Fundamentals I 3 hrs
- COM 1000 Introduction to Communication 3 hrs
- GRA 2101C Introduction to Computer Art 3 hrs
- POS 2041 American National Government 3 hrs

1 req #IA3-GEP
2 req #1D1-GEP

Sophomore Year - Spring 15 hrs
- ANT 2000 General Anthropology 3 hrs
- ARH 2500 History of Non-Western Art 3 hrs
- ART 2301C Drawing Fundamentals II 3 hrs
- ART 3950 Portfolio Review 0 hrs
- BSC 1005 Biological Principles 3 hrs
- CHM 1020 Concepts in Chemistry 3 hrs

1 Check restrictions
2 req #1D2-GEP
3 req #1E2-GEP
4 req #1E1-GEP

Junior Year - Fall 15 hrs
- Restricted Elective 3 hrs
- Supporting Elective 1 hr
- Supporting Elective 3 hrs
- GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
- SPN 1120C Elementary Spanish Language and Civilization I 4 hrs

1 Check restrictions
2 req #5
3 req #Lang/Elect

Junior Year - Spring 16 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs
- Supporting Elective 3 hrs
- Supporting Elective 3 hrs
- SPN 1121C Elementary Spanish Language and Civilization II 4 hrs

1 Check restrictions
2 req #5
3 req #Lang/Elect

Senior Year - Fall 15 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs
- Supporting Elective 3 hrs
- Supporting Elective 3 hrs
- Supporting Elective 3 hrs

1 Check restrictions
2 req #5

UNIVERSITY OF CENTRAL FLORIDA
Art B.F.A. - Emerging Media Track (B.F.A.)

College of Arts and Humanities

School of Visual Arts and Design

http://www.svad.ucf.edu

E-mail: svad@mail.ucf.edu
Jack Lew, 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. 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

- 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 specialization.
- Students must earn at least a “C” (2.0) in each required course, except DIG 2000 as noted.
- Co-op or internship credits are not permitted in this major without prior written permission.
- 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)

B: Cultural & Historical Foundations (9 hrs)

Take all of the following: (6 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 (7 hrs)

Take all of the following: (7 hrs)

Required COP 2500C Concepts in Computer Science and 4 hrs
Required MAC 1105 College Algebra 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
1 ART 2203C Design Fundamentals-Three Dimensional 3 hrs
1 ART 2300C Drawing Fundamentals I 3 hrs
1 ART 2301C Drawing Fundamentals II 3 hrs
1 GRA 2101C Introduction to Computer Art 3 hrs
Any ART prefix, studio, or media courses at the 2000-4000 levels

See “Common Prerequisites” in the Transfer and Transitions Services section for more information

1 See Transfer Notes for possible substitutes

3. Core Requirements: Basic Level (18 hrs)

ARH 2050 History of Western Art 3 hrs
ART 2823 Art as Interface 3 hrs
COP 2500C Concepts in Computer Science GEP
DIG 2000 Introduction to Digital Media 3 hrs
DIG 2030C Digital Video Fundamentals 3 hrs
DIG 2109C Digital Imaging Fundamentals 3 hrs
DIG 2500C Fundamentals of Interactive Design 3 hrs
MAC 1105 College Algebra GEP

4. Core Requirements: Advanced Level (12 hrs)

ART 2823 Art as Interface 3 hrs
DIG 3024 Digital Cultures & Narrative 3 hrs
DIG 3480C Computer as a Medium 3 hrs
DIG 3525 Digital Media Production I 3 hrs
DIG 4780C Modeling for Realtime Systems 3 hrs

5. Restricted Electives (39 hrs)

- Specializations

Graphic Design

- Graphic Design Basic Concentration - 18 hours
GRA 3112C Intermediate Graphic Design II 3 hrs
GRA 3112C Intermediate Graphic Design II 3 hrs
GRA 3202C Type & Design 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

Graphic Design - Restricted Electives - 21 hours

Complete 21 hours of credits from the following areas: 9 hours must be 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.

Character Animation 39 hrs

- Character Animation Core - 15 hours
ART 3643C Digital Effects & Compositing 3 hrs
DIG 4325C Look Modeling Workshop 3 hrs
DIG 4362C Geometrical Modeling Workshop 3 hrs
FIL 3720C Introduction to Animation 3 hrs
FIL 3734C Intermediate Animation 3 hrs

- Character Animation Basic Concentration - 24 hours
DIG 3355C Artificial Environments and Effects 3 hrs
DIG 3433C Visual Storytelling and Visual Development 3 hrs
DIG 4203C New Imagery in Motion Workshop 3 hrs
DIG 4359C Artificial Environments and Effects Workshop 3 hrs
DIG 4394C Motion Graphics: Advanced Compositing 3 hrs
DIG 4434C Narrative Techniques in the Moving Image 3 hrs
DIG 4451C Visual Storytelling and Visual Development Workshop 3 hrs
DIG 4486C Visual Language of Moving Image II 3 hrs
### UCF Degree Programs

#### Experimental Animation
- Experimental Animation Core - 15 hours
  - ART 3643C Digital Effects & Compositing 3 hrs
  - DIG 4325C Look Modeling Workshop 3 hrs
  - DIG 4326C Geometrical Modeling Workshop 3 hrs
  - FIL 3720C Introduction to Animation 3 hrs
  - FIL 3734C Intermediate Animation 3 hrs
- Experimental Animation Restricted Electives - 6 hours
  - FIL 4755C Advanced Animation 3 hrs
- Experimental Animation Restricted Electives - 18 hours
  - Complete 18 hours of credits from the following areas: 18 hours
  - Courses approved by the School
  - Nine of the last 39 hours of course work must be completed in residency at UCF

#### 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 taken 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 vary with specialization
- 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
- 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, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**
- 124

#### Honors In Major
- None

#### Related Programs
- Art
- Computer Science
- English - Technical Communication
- Film
- Music

#### Certificates
- None

#### Related Minors
- Art - Studio
- Computer Science
- English - Technical Communication
- Film - Cinema Studies

#### Information Technology
- Music

### Advising Notes
- None

#### Transfer Notes
- Grades less than a “C” (2.0) are not accepted.
- Courses taken at community colleges 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.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: $63.00 per term

#### Art B.F.A. - Studio Art Track (B.F.A.)

**College of Arts and Humanities**

**School of Visual Arts and Design, Visual Arts Building, Room: 117**

[http://www.svad.ucf.edu](http://www.svad.ucf.edu)

E-mail: svad@mail.ucf.edu

Jack Lew

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.

#### Admission Requirements
- All junior level students in this program must satisfactorily complete the mandatory ART 3950-Portfolio Review before 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 have a 3.0 overall average in ART courses, they are automatically accepted. Students who do not meet these requirements may petition the BFA committee for acceptance.
- “D” grades from other institutions do not meet departmental requirements.
- Note: Individual portfolio reviews are not possible due to the large number of applicants.

#### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- A Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the School of Visual Art and Design. Nine of these must be in an area of specialization.
- Grades below “C” (2.0) in lower level ART of ARH courses do not satisfy major requirements.
- BFA students must maintain a 3.0 GPA in all ART courses.
Co-op credit cannot be used in this major.
Students should consult with a school advisor in their studio specialization.
Course 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)

Take all of the following: 6 hrs
Required ARH 2050 History of Western Art I and 3 hrs
Required ARH 2051 History of Western Art II 3 hrs

Select a course from group B.1

C: Mathematical Foundations (6 hrs)
Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

Select 1: 3 hrs
Prefer MGF 1106 Finite Mathematics or 3 hrs
1 MGF 1107 Explorations in Mathematics 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
2201C Design Fundamentals-Two Dimensional 3 hrs
1 ART 2203C Design Fundamentals-Three Dimensional 3 hrs
1 ART 2300C Drawing Fundamentals I 3 hrs
1 ART 2301C Drawing Fundamentals II 3 hrs
1 GRA 2101C Introduction to Computer Art 3 hrs
Any Art prefix, studio, or media courses at the 2000-4000 levels
See "Common Prerequisites" in the Transfer and Transitions Services section for more information
1 *See Transfer Notes for possible substitutes

3. Core Requirements: Basic Level (6 hrs)

ARH 2823 Art as Interface 3 hrs
ART 3950 Portfolio Review 0 hrs
GRA 2101C Introduction to Computer Art CPP

4. Core Requirements: Advanced Level (0 hrs)

5. Restricted Electives: Advanced Level (42 hrs)
a. Specialization: 18 hrs

Select six upper division courses from one area: (classes with an asterisk may be repeated for credit)

Book Arts
ART 3170C Book Binding or 0 hr 3 hrs
ART 3171C Materials for Artist Books or 3 hrs
ART 3175C Advanced Issues in Contemporary Book Arts or 3 hrs
ART 3176C The Illuminated Book or 3 hrs
ART 3737C Narrative Sculpture or 3 hrs
ART 4172C Book Repair and Restoration or 3 hrs
ART 4173C The Artist Book or 3 hrs
ART 4174C The Printed Book or 3 hrs
ART 4177C Commercial Book Design and Publishing or 3 hrs
ART 4644C Books Without Books 3 hrs

Ceramics
ART 3761C Intermediate Ceramics or 0 hr 3 hrs
ART 3764C Ceramic Handbuilding I or 3 hrs
1 ART 4783C Advanced Ceramics 3 hrs

Drawing
ART 3332C Intermediate Drawing or 3 hrs
1 ART 4320C Advanced Drawing 3 hrs

Drawing/Printmaking Combination
ART 3332C Intermediate Drawing or 3 hrs
ART 3433C Screenprinting or 3 hrs
1 ART 4320C Advanced Drawing or 3 hrs
1 ART 4402C Advanced Printmaking 3 hrs

Drawing/Illustration Combination
ART 3332C Intermediate Drawing or 3 hrs
1 ART 4320C Advanced Drawing or 3 hrs
GRA 2151C Illustration or 3 hrs
1 GRA 4154C Advanced Illustration 3 hrs

Painting
ART 3504C Intermediate Painting or 3 hrs
1 ART 4505C Advanced Painting 3 hrs

Photography
PGY 3410C Intermediate Photography or 3 hrs
1 PGY 4202C Advanced Photography or 3 hrs
PGY 4440C Special Problems in Photography 3 hrs

Sculpture
1 ART 4710C Advanced Sculpture 0 hr 3 hrs

1 May be repeated for credit.

b. Electives in Art: 15 hrs

Select five Art courses; two of which may be lower division. Select from at least three of the following areas, excluding the area of specialization.

Book Arts, Ceramics, Drawing, Illustration, Painting, Photography, Printmaking, Sculpture, and Special Topics Studio Courses.

c. Additional Electives 9 hrs

Select three upper division Art History courses or Select one upper division course in Art History or Humanities or (A maximum of six hours of Independent Study, Practicum, and Internship are permitted).

6. Capstone Requirements

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 languages may be used to meet the requirement.

8. Electives

Select primarily from upper level courses, with school advisor’s approval. May be outside of the department.

9. Additional Requirements

10. Required Minors

11. Departmental Exit Requirements (3 hrs)

ART 4935 BFA Exhibit/Seminar required.

(BFA Exhibit Seminar is only offered during Spring Semester)

Achieve at least a “B” GPA (3.0) overall in courses within the major.)
UCF Degree Programs

- Each senior is required to submit a portfolio of representative work in the student's specialization, for review and approval by faculty, during their last semester of matriculation toward the degree.
- Computer Competency met by STA 1060C or GRA 2101C.

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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Art B.A. - History Track
- Art B.A. - Visual Arts and Emerging Media Management Track
- Art B.F.A. - Emerging Media Track
- Art Education

Certificates
- None

Related Minors
- Community Arts - PAVE

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges 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:
  - GRA 2101C*. A student may substitute any three hour digital art course; however, GRA 2101C is a prerequisite for subsequent art courses and will need to be taken for the major.

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

Equipment Fees
- Part-Time Student: $31.50 per term
- Full-Time Student: $63.00 per term

Art Education (B.S.)

College of Education
Department of Teaching and Learning Principles, Education Building, Room: 209
http://education.ucf.edu/arted

Dr. Thomas Brewer, ED 122U, tbrewer@mail.ucf.edu, 407-823-3714
Dr. Janet Andreasen, ED 123Q, jandreas@mail.ucf.edu, 407-823-5430

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university
- Have a minimum 2.5 overall GPA
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).
- 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.

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.
- 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 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
- Prefer AMH 2020 U.S. History: 1877-Present 3 hrs
- 1 Required ARH 2050 History of Western Art I 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)
- 3 hrs
- Prefer STA 1060C Basic Statistics Using Microsoft Excel or
- 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 (6 hrs)
- Prefer PSC 1121 Physical Science 3 hrs

Select 1: (3 hrs)
- 3 hrs
- Prefer ANT 2511 The Human Species or
- 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 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
- 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.
### 3. Core Requirements: Basic Level (30 hrs)

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<thead>
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<th>Course Title</th>
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<tr>
<td>ARH 2050</td>
<td>History of Western Art I</td>
<td>3</td>
</tr>
<tr>
<td>ARH 2051</td>
<td>History of Western Art II</td>
<td>3</td>
</tr>
<tr>
<td>ART 2201C</td>
<td>Design Fundamentals-Two Dimensional</td>
<td>3</td>
</tr>
<tr>
<td>ART 2203C</td>
<td>Design Fundamentals-Three Dimensional</td>
<td>3</td>
</tr>
<tr>
<td>ART 2300C</td>
<td>Drawing Fundamentals I</td>
<td>3</td>
</tr>
<tr>
<td>ART 2301C</td>
<td>Drawing Fundamentals II</td>
<td>3</td>
</tr>
<tr>
<td>ART 2400C</td>
<td>Beginning Printmaking</td>
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<td>ART 2500C</td>
<td>Beginning Painting</td>
<td>3</td>
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<tr>
<td>ART 2754C</td>
<td>Beginning Ceramics</td>
<td>3</td>
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<tr>
<td>GRA 2101C</td>
<td>Introduction to Computer Art</td>
<td>3</td>
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<tr>
<td>PGY 2401C</td>
<td>Beginning Photography</td>
<td>3</td>
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### 4. Core Requirements: Advanced Level (30 hrs)

**Education Core Requirements**

<table>
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<tr>
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<tbody>
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<td>EDF 4467</td>
<td>Learning Theory and Assessment</td>
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<tr>
<td>EDF 4603</td>
<td>Analysis and Application of Ethical, Legal, and</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Safety Issues in Schools</td>
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<tr>
<td>EDG 4410</td>
<td>Teaching Strategies and Classroom Management</td>
<td>3</td>
</tr>
<tr>
<td>RED 4043</td>
<td>Content Reading in Kindergarten through Grade 12</td>
<td>3</td>
</tr>
<tr>
<td>TSL 4080</td>
<td>Theory and Practice of Teaching ESOL Students in</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Schools</td>
<td></td>
</tr>
</tbody>
</table>

**Internship I**

- Prior to Internship I, the student must have completed EDG 4410 Teaching Strategies and Classroom Management and at least 50% of all required 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 strongly recommended during the first semester (if CLAS was used for admission) 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 in 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/

**Specialization Requirements**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARE 4250</td>
<td>Art for Exceptionalities</td>
<td>3</td>
</tr>
<tr>
<td>ARE 4351</td>
<td>Teaching Art in the Elementary School</td>
<td>3</td>
</tr>
<tr>
<td>ARE 4352</td>
<td>Teaching Art in the Secondary School</td>
<td>3</td>
</tr>
<tr>
<td>ARE 4356</td>
<td>Teaching Art Appreciation &amp; Criticism in the</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Classroom</td>
<td></td>
</tr>
</tbody>
</table>

**5. Restricted Electives**

- Any 3000 or 4000 level ART, ARE, ARH, PGY (with advisor’s approval)

**6. Capstone Requirements (12 hrs)**

- Passing score on the Subject Area Examination (Art K-12) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II.
- All 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.
- 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.

### 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**

- 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.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- Pass all applicable sections of the Florida Teacher Certification 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, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**

- 126

**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**

- 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**

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<thead>
<tr>
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<tbody>
<tr>
<td>ARH 2050</td>
<td>History of Western Art I</td>
<td>3</td>
</tr>
<tr>
<td>EDF 4005</td>
<td>Introduction to the Teaching Profession</td>
<td>3</td>
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<tr>
<td>ENC 1101</td>
<td>Composition I</td>
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<tr>
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<td>Finite Mathematics</td>
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<td>General Psychology</td>
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**Freshman Year - Spring**

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<tbody>
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<td>ARH 2051</td>
<td>History of Western Art II</td>
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</tr>
<tr>
<td>ART 2201C</td>
<td>Design Fundamentals-Two Dimensional</td>
<td>3</td>
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<tr>
<td>EDF 2065</td>
<td>Introduction to Diversity for Educators</td>
<td>3</td>
</tr>
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- None

**Transfer Notes**

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<tr>
<td>ENC 1102</td>
<td>Composition II</td>
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UCF Degree Programs

Freshman Year - Summer

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>EME 2040</td>
<td>Introduction to Technology for Educators</td>
<td>3</td>
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<tr>
<td>SPC 1608</td>
<td>Fundamentals of Oral Communication</td>
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Sophomore Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
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<tr>
<td>AMH 2010</td>
<td>U.S. History: 1492-1877</td>
<td>3</td>
</tr>
<tr>
<td>ART 2203C</td>
<td>Design Fundamentals-Three Dimension</td>
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<tr>
<td>BSC 1005</td>
<td>Biological Principles</td>
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Select 1:

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<thead>
<tr>
<th>Course</th>
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<tr>
<td>STA 1060C</td>
<td>Basic Statistics Using Microsoft Excel</td>
<td>3</td>
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<tr>
<td>STA 2014C</td>
<td>Principles of Statistics</td>
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Junior Year - Fall

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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>ARE 4351</td>
<td>Internship</td>
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Junior Year - Spring

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<thead>
<tr>
<th>Course</th>
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<th>Hours</th>
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<tbody>
<tr>
<td>ARE 4352</td>
<td>Teaching Art in the School</td>
<td>3</td>
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<tr>
<td>ART 2500C</td>
<td>Beginning Painting</td>
<td>3</td>
</tr>
<tr>
<td>RED 4043</td>
<td>Content Reading in Kindergarten</td>
<td>3</td>
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Senior Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ARE 4351</td>
<td>Teaching Art in the Elementary School</td>
<td>3</td>
</tr>
<tr>
<td>EDF 4603</td>
<td>Analysis and Application of Ethical, Legal, and Safety Issues in Schools</td>
<td>3</td>
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Senior Year - Spring

<table>
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<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>ARE 4941</td>
<td>Internship</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.oeas.ucf.edu/alc/academic_learning_compacts.htm

Athletic Training (B.S.)

College of Health and Public Affairs
Department of Health Professions,
Health and Public Affairs II, Room: 208
http://www.cohpa.ucf.edu/health.pro/athletic_training.shtml

E-mail: atinfo@mail.ucf.edu
Kristen C. Schellhase
Phone: 407-823-2747

Admission Requirements

- Students may only begin the athletic training program track in the Summer B semester and must have:
- Acceptance to the university as an undergraduate student in Athletic Training Pending. (Acceptance into the University does not constitute admission into the Program in Athletic Training.)
- A separate application to this competitive restricted access program must be made to the Program in Athletic Training by March 1st. Acceptance into the university for the summer semester is necessary before acceptance into the Program in Athletic Training can occur.
- A minimum of 2.75 overall grade point average and a minimum grade of “C” (2.0) in program prerequisites.
- Completion of an AA degree from a Florida Community College or completion of UCF’s General Education Program.
- This 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. Students with concerns or questions should contact the program to schedule an appointment with an advisor.
- Consent of Program Director.
- A minimum of 100 documented clock hours working, volunteering, or shadowing with a licensed certified athletic trainer (ATC) prior to application. At least 50 of these hours must be obtained within a traditional athletic training setting (high school, college, professional).

Technical Standards Requirement

- The Program in Athletic Training at University of Central Florida is a rigorous and intense program that places specific requirements and demands on the students enrolled in the program. 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 establish the essential qualities considered necessary for students admitted to this program to achieve the knowledge, skills, and competencies of an entry-level athletic trainer, as well as meet the expectations of the program’s accrediting agency (Commission on Accreditation of Athletic Training Education [CAATE]). The following abilities and expectations must be met by all students admitted to the Program in Athletic Training. In the event a student is unable to fulfill these technical standards, with or without reasonable accommodation, the student will not be admitted into the program. Compliance with the program’s technical standards does not guarantee a student’s eligibility for the BOC examination.

- Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
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Candidates for selection to the Program in Athletic Training will be required to verify they understand and meet these technical standards or they believe that, with certain accommodations, they can meet the standards. The University of Central Florida will evaluate a student who states he/she could meet the program's technical standards with accommodation and confirm that the stated condition qualifies as a disability under applicable laws. If a student states he/she can meet the technical standards with accommodation, then the University will determine whether it agrees that the student can meet the technical standards with reasonable accommodation; this includes a review of whether the accommodations requested are reasonable, taking into account whether accommodation would jeopardize clinician/patient safety, or the educational process of the student or the institution, including all coursework, clinical experiences and internship deemed essential to graduation. Each candidate must provide a copy of a recent physical examination by a physician.

Candidates for selection to the Program in Athletic Training must demonstrate:

- The mental capacity to assimilate, analyze, synthesize, integrate concepts and problem solve to formulate assessment and therapeutic judgments and to be able to distinguish deviations from the norm;
- Sufficient postural and neuromuscular control, sensory function, and coordination to perform appropriate physical examinations using accepted techniques; and accurately, safely and efficiently use equipment and materials during the assessment and treatment of patients;
- The ability to communicate 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 judgments and treatment information effectively. Students must be able to understand and speak the English language at a level consistent with competent professional practice;
- The ability to record the physical examination results and a treatment plan clearly and accurately;
- The capacity to maintain composure and continue to function well during periods of high stress;
- The perseverance, diligence and commitment to complete the athletic training education program as outlined and sequenced;
- Flexibility and the ability to adjust to changing situations and uncertainty in clinical situations;
- Affective skills and appropriate demeanor and rapport that relate to professional education and quality patient care.

Degree Requirements

- Students who are pending Athletic Training Track and are admitted to the major must adopt the most current catalog standards with reasonable accommodation; this includes a review of whether the accommodations requested are reasonable, taking into account whether accommodation would jeopardize clinician/patient safety, or the educational process of the student or the institution, including all coursework, clinical experiences and internship deemed essential to graduation. Each candidate must provide a copy of a recent physical examination by a physician.

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- Flexibility and the ability to adjust to changing situations and uncertainty in clinical situations;

- Affective skills and appropriate demeanor and rapport that relate to professional education and quality patient care.
UCF Degree Programs

8. Electives
■ Suggested electives relate to Health Sciences, Business, Education, Health Services Administration, Health Informatics and Information Management, Psychology, and Sports & Fitness

9. Additional Requirements
■ None

10. Required Minors
■ None

11. Departmental Exit Requirements
■ A minimum overall GPA of 2.75 and a minimum grade of “C” (2.0) in prerequisite and major courses are required for graduation from the Program in Athletic Training. The program is accredited by the Commission on Accreditation of Athletic Training Education (CAATE). Graduates are eligible to apply to take the Board of Certification (BOC) 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 Program in Athletic Training.
■ Two years of successful clinical rotation under the direct supervision of an Approved Clinical Instructor (ACI).

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
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■ Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
120

Honors In Major
■ None

Related Programs
■ Business Administration
■ Health Informatics and Information Management
■ Health Sciences - Pre-Clinical Track
■ Health Services Administration
■ Public Administration
■ Sport and Fitness

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.
■ Aging Studies
■ Biology
■ Business
■ Coaching
■ Education
■ Fitness Training
■ Health Informatics and Information Management
■ Health Sciences
■ Health Services Administration
■ Public Administration

Advising Notes
■ None

Transfer Notes
■ None

Acceptable Substitutes for Transfer Courses
■ Human Anatomy and Physiology I & II (BSC X093 and X094 or BSC X085 and X086)
■ Biology I with Lab (BSC 1010 and BSC 1010L)
■ Students that transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

Plan of Study

Freshman Year - Fall 15 hrs
CHM 2045C Chemistry Fundamentals I 4 hrs
ENC 1101 Composition I 3 hrs
HSC 2000 Introduction to the Allied Health Professions 2 hrs
MAC 1105 College Algebra 3 hrs
PSY 2012 General Psychology 3 hrs

Freshman Year - Spring 13 hrs
BSC 2010C Biology I 4 hrs
ENC 1102 Composition II 3 hrs
MAC 1114 College Trigonometry 3 hrs
POS 2041 American National Government 3 hrs

Sophomore Year - Fall 14 hrs
PHY 2053C College Physics I 4 hrs
STA 2023 Statistical Methods I 3 hrs
ZOO 3733C Human Anatomy 4 hrs

Select 1: 3 hrs
AMH 2010 U.S. History: 1492-1877 or 3 hrs
EUH 2000 Western Civilization I or 3 hrs
HUM 2210 Humanistic Tradition I or 3 hrs
WOH 2012 World Civilization I 3 hrs

Sophomore Year - Spring 16 hrs
HUN 2002 Modern Concepts in Nutrition 3 hrs
PCB 3703C Human Physiology 4 hrs
SFC 1608 Fundamentals of Oral Communication 3 hrs

Select 1: 3 hrs
MUL 2010 Enjoyment of Music or 3 hrs
PHI 2010 Introduction to Philosophy or 3 hrs
REL 2300 World Religions or 3 hrs
THE 2000 Theatre Survey 3 hrs

Select 1: 3 hrs
AMH 2020 U.S. History: 1877-Present or 3 hrs
EUH 2001 Western Civilization II or 3 hrs
HUM 2230 Humanistic Tradition II or 3 hrs
WOH 2022 World Civilization II 3 hrs

Sophomore Year - Summer 10 hrs
1 Foreign Language 4 hrs
PET 3620 Principles of Athletic Training 3 hrs
PET 4603C Introduction to Athletic Training 3 hrs
1 If not satisfied in high school

Junior Year - Fall 12 hrs
1 Free Elective 3 hrs
HSC 3147 Introduction to Pharmacology 3 hrs
PET 3623C Recognition and Evaluation of Athletic Injuries I 3 hrs
PET 3633C Clinical Skills for Athletic Trainers I 2 hrs
PET 3670L Practicum in Athletic Training I 4 hrs
1 As needed to meet 120 hrs of university exit requirements.

Junior Year - Spring 12 hrs
1 Free Elective 3 hrs
PET 3649C Clinical Skills for Athletic Training II 2 hrs
PET 3671L Practicum in Athletic Training II 4 hrs
PET 4315C Biomechanics of Sport 3 hrs
PET 4624C Recognition and Evaluation of Athletic Injuries II 3 hrs
1 As needed to meet 120 hrs of university exit requirements.

Junior Year - Summer 8 hrs
PET 4630C Therapeutic Exercise in Athletic Training 4 hrs
PET 4632C Therapeutic Modalities in Athletic Training 4 hrs

UNIVERSITY OF CENTRAL FLORIDA
Senior Year - Fall
PET 3510C  Physiologic & Metabolic Basis of Human Movement & Performance  3 hrs
PET 4636C  Advanced Rehabilitation in Athletic Training  3 hrs
PET 4680C  Organization and Administration of Athletic Training  3 hrs
PET 4672L  Practicum in Athletic Training III  4 hrs

Senior Year - Spring
1 Free Elective  3 hrs
APK 4315  Sports Medicine Field Application  3 hrs
PET 4606  Applied Fitness in Sport  3 hrs
PET 4673L  Practicum in Athletic Training IV  4 hrs
PET 4674  Athletic Training Seminar  1 hr

1 As needed to meet 120 hrs of departmental exit requirements.

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: $7.50 per term
- Full-Time Student: $15.00 per term

Biology (B.S.)
College of Sciences
Department of Biology, BL, Room: 301
http://www.cos.ucf.edu/biology
E-mail: biology@ucf.edu
Mr. Frank Logiudice
Phone: 407-823-2141

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
- Departmental Residency Requirement consists of at least 22 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Biology Department.
- 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.
- Courses designated in 2 (Common Program Prerequisites) and 3 (Core Requirements) are usually completed in the first 60 hours.
- No more than 4 hours of Independent Study, Directed Research, or the following similar types of credit, may be applied toward major requirements:
  BSC 4422L  Biology Laboratory Techniques  1 hr
  BSC 4937  Instructional Experiences in Undergraduate Biology  2 hrs
- Upon reaching junior standing, Biology majors are expected to have completed the following courses and associate 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.
  BSC 2010C  Biology I  4 hrs
  BSC 2011C  Biology II  4 hrs
  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 2053C  College Physics I  4 hrs
  PHY 2054C  College Physics II  4 hrs

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.

A: Communication Foundations  (9 hrs)
- Required ENC 1101  Composition I  3 hrs
- Required ENC 1102  Composition II  3 hrs
- Preferred SPC 1603  Fundamentals of Technical Presentations  3 hrs

B: Cultural & Historical Foundations  (9 hrs)

C: Mathematical Foundations  (6 hrs)

Mathematics:
- Note: Prior to enrolling in Math, take Math Placement Test ~ http://mathplacement.sdes.ucf.edu/
- Suggested MAC 2233  Concepts of Calculus or  3 hrs
- Suggested MAC 2253  Applied Calculus I or  3 hrs
- Preferred MAC 2311  Calculus with Analytic Geometry I  4 hrs

Statistics:
- Required STA 2023  Statistical Methods I  3 hrs

D: Social Foundations  (6 hrs)

E: Science Foundations  (8 hrs)
- Required BSC 2010C  Biology I  4 hrs
- Select the sequence identified by the Chemistry Placement exam:
- Note: Prior to enrolling in Chemistry, take Chemistry Placement Test ~ http://chemplacement.sdes.ucf.edu/
- Required CHM 2045C  Chemistry Fundamentals I  4 hrs
- or - Students with little chemistry background should take this year long equivalent instead.
  - Required CHM 2040C  Chemistry Fundamentals IA and  3 hrs
  - Required CHM 2041C  Chemistry Fundamentals IB  3 hrs

2. Common Program Prerequisites (CPP)  (16 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- See Transfer Notes for possible substitutes for the following courses.
  BSC 2010C  Biology I  GEP
  BSC 2011C  Biology II  4 hrs
  CHM 2045C  Chemistry Fundamentals I  GEP
  CHM 2046  Chemistry Fundamentals II  3 hrs
  CHM 2046L  Chemistry Fundamentals Laboratory  1 hr
  STA 2023  Statistical Methods I  GEP

Math requirement: Select one course
- MAC 2233  Concepts of Calculus or  3 hrs
- MAC 2253  Applied Calculus I or  3 hrs
- MAC 2311  Calculus with Analytic Geometry I  GEP

NOTE: These courses are considered to be equivalents:
- CHM 2045C  Chemistry Fundamentals I  GEP
- or - Students with little chemistry background should take this year long equivalent instead.
  - CHM 2040C  Chemistry Fundamentals IA and  3 hrs
  - CHM 2041C  Chemistry Fundamentals IB  3 hrs

Complete one entire physics sequence:
- PHY 2046C  Physics for Engineers & Scientists I and  4 hrs
- PHY 2049C  Physics for Engineers and Scientists II  4 hrs
- or
- PHY 2053C  College Physics I and  4 hrs
- PHY 2054C  College Physics II  4 hrs
3. Core Requirements: Basic Level (8 hrs)
- Students planning on entering professional or graduate school should take Biochemistry as well as additional Calculus courses. Students are urged to consult their departmental advisor.
- STA 2023 Statistical Methods I GEP/CPP

Complete one entire chemistry sequence:
- CHM 2210 Organic Chemistry I and 3 hrs
- CHM 2211 Organic Chemistry II and 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs
- or
- CHM 2205 Introduction to Organic and Biochemistry and 5 hrs
- CHM 3120 Analytical Chemistry and 3 hrs
- CHM 3120L Analytical Chemistry Laboratory 1 hr

4. Core Requirements: Advanced Level (13 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

5. Restricted Electives (22 hrs)
- Courses must be selected from the groupings listed below.
- Student must complete at least one course dealing exclusively with zoology and one course dealing exclusively with botany.
- At least three credit hours from each group must be completed.
- 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 a group requirement with approval of the undergraduate program coordinator or 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.

<table>
<thead>
<tr>
<th>Form/Function</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete a minimum of one lecture course from this group.</td>
<td>3 hrs</td>
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</tbody>
</table>

Environmental

Complete a minimum of one lecture course from this group.
- 1 BOT 3018C Culinary Botany Across the Cultures or 3 hrs
- 1 BOT 3152C Local Flora or 3 hrs
- 1 BOT 3802 Ethnobotany or 3 hrs
- 1 BOT 4156C Florida Wildflowers or 4 hrs
- 1 BOT 4686C Conservation and Management of Native Plants or 4 hrs
- 2 BSC 4312C Marine Biology or 4 hrs
- 2 BSC 4330 Invasion Biology or 3 hrs
- 2 BSC 5258L Tropical Biology Research and Conservation or 3 hrs
- 2 BSC 5824 Biogeography or 4 hrs
- 1 PAZ 4233 Zoo and Aquarium Management or 3 hrs
- 1 PCB 3044L Principles of Ecology Laboratory or 1 hr
- 1 PCB 3304C River Ecology or 4 hrs
- 1 PCB 3355C Tropical Marine Biology or 2 hrs
- 1 PCB 3442 Florida Aquatic Ecology or 3 hrs
- 1 PCB 5326C Ecosystems of Florida or 5 hrs
- 1 PCB 5435C Marine Ecology of Florida or 4 hrs
- 1 PCB 5485 Models in Ecology or 3 hrs
- 1 ZOO 4513 Animal Behavior 3 hrs

1 Fulfills Botany requirement. Offered in Biology department.
2 Offered in Biology department.
3 Fulfills Zoology requirement. Offered in Biology department.

Systematic

Complete a minimum of one lecture course from this group.
- 1 BOT 4434C General Mycology or 4 hrs
- 1 BOT 4713C Plant Taxonomy or 5 hrs
- 1 BOT 5485C Terrestrial Cryptogams or 3 hrs
- 1 ENY 4004C General Entomology or 4 hrs
- 1 ENY 5006C Entomology or 4 hrs
- 1 MCB 3020C General Microbiology or 5 hrs
- 2 PCB 4205C Biology and Ecology of Metazoa Invertebrates 4 hrs
- 2 ZOO 4310C Vertebrate Evolution & Ecology or 4 hrs
- 2 ZOO 4480 Mammalogy or 4 hrs
- 2 ZOO 5456C Ichthyology or 4 hrs
- 2 ZOO 5463C Herpetology or 4 hrs
- 2 ZOO 5475L Field Ornithology 3 hrs

1 Fulfills Botany requirement. Offered in Biology department.
2 Fulfills Zoology requirement. Offered in Biology department.

6. Capstone Requirements
- None

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
- 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 minimum GPA of 2.0 in all UCF courses taken in the Common Program Prerequisites, the Biology Core and the Upper Division Restricted Electives.
- To demonstrate Computer Competency students are expected to 1) check and maintain their campus electronic mail account and 2) be capable of locating, viewing, and retrieving class and research information on the World Wide Web.
- Students will be required to take a comprehensive exam in biology 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.
- Biology majors are discouraged from taking courses as a transient student at a community college, except in situations where one semester of a two-semester sequence has already been taken at the community college.
- Before applying to graduate, the CLAS must be completely satisfied.

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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors in Major
- None

Related Programs
- Environmental Engineering
- Molecular Biology and Microbiology
- Science Education - Biology

Certificates
- None

Related Minors
- Biology
- Environmental Studies
- Molecular Biology and Microbiology

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 taken at community colleges 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
- The following substitutions are acceptable for common program prerequisites if taken as part of the AA course work:
  - BSC 2010C: May substitute the Honors version BSC X040C. Although the CPP is satisfied by PCB X011C, it will not satisfy prerequisites for subsequent Biology courses.
  - BSC 2011C: May substitute the Honors version BSC X041C or both ZOO X010 and BOT X010 with labs.
  - CHM 2045C: may use CHM X040 plus CHM X041.
  - Physics: although the CPP is satisfied by Organic Chemistry, both subjects are required by the degree program and both must be taken.

Statistics: although a number of math and statistics course will satisfy the CPP, this statistics course is 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 Chemistry, take Chemistry Placement Test ~ http://chemplacement.sdes.ucf.edu/
- Prior to enrolling in Math, take Math Placement Test ~ http://mathplacement.sdes.ucf.edu/

Freshman Year - Fall
- 15 hrs
  - BSC 2010C Biology I 4 hrs
  - CHM 2045C Chemistry Fundamentals I 4 hrs
  - ENC 1101 Composition I 3 hrs
  - Math Course 4 hrs

Freshman Year - Spring
- 14 hrs
  - Free Elective 3 hrs
  - BSC 2011C Biology II 4 hrs
  - CHM 2046 Chemistry Fundamentals II 3 hrs
  - CHM 2046L Chemistry Fundamentals Laboratory 1 hr
  - ENC 1102 Composition II 3 hrs

Sophomore Year - Fall
- 14 hrs
  - CHM 2210 Organic Chemistry I 3 hrs
  - MAC 2311 Calculus with Analytic Geometry I 4 hrs
  - PCB 3044 Principles of Ecology 3 hrs
  - STA 2023 Statistical Methods I 3 hrs

Sophomore Year - Spring
- 16 hrs
  - GEP 3 hrs
  - Restricted Elective 5 hrs
  - Free Elective 2 hrs
  - CHM 2211 Organic Chemistry II 3 hrs
  - PCB 3063 Genetics 3 hrs

Junior Year - Fall
- 15 hrs
  - Restricted Elective 5 hrs
  - Free Elective 3 hrs
  - PCB 3923 Molecular Cell Biology 3 hrs
  - PHY 2053C College Physics I 4 hrs

Junior Year - Spring
- 15 hrs
  - Restricted Elective 5 hrs
  - Restricted Elective 4 hrs
  - Free Elective 3 hrs
  - PHY 2054C College Physics II 4 hrs

Senior Year - Fall
- 16 hrs
  - GEP 3 hrs
  - GEP 3 hrs
  - GEP 3 hrs
  - Free Elective 3 hrs
  - PCB 4683 Evolutionary Biology 4 hrs

Senior Year - Spring
- 15 hrs
  - GEP 3 hrs
  - Restricted Elective 4 hrs
  - Free Elective 4 hrs
  - GEP 3 hrs

1 CHM 2211L Organic Laboratory Techniques I 2 hrs

1 May be taken in an earlier term if space permits.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  - http://www.oeeas.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $19 per term
- Full-Time Student: $38 per term
The Biology major offers excellent preparation for professional school. The curriculum is broadly based and provides a well-rounded education that is appealing to admission committees and valuable for careers in medicine, dentistry, optometry, pharmacy and veterinary medicine.

**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.
- Departmental Residency Requirement consists of at least 22 semester hours of regular course taken from the UCF Biology Department.
- 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.
- Courses designated in 2 (Common Prerequisites) and 3 (Core Requirements) are usually completed in the first 60 hours.
- No more than 4 hours of Independent Study, Directed Research, or the following similar types of credit, may be applied toward major requirements:
  - BSC 4422L Biology Laboratory Techniques 1 hr
  - BSC 4937 Instructional Experiences in Undergraduate Biology 2 hrs
- Upon reaching junior standing, Biology majors are expected to have completed the following courses. 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.
  - BSC 2010C Biology I 4 hrs
  - BSC 2011C Biology II 4 hrs
  - CHM 2045C Chemistry Fundamentals I 3 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 2053C College Physics I 4 hrs
  - PHY 2054C College Physics I 4 hrs

1. **UCF General Education Program (GEP)** (39 hrs)
- Note: Certain courses must be selected in the 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 1603 Fundamentals of Technical Presentations 3 hrs

   **B: Cultural & Historical Foundations** (9 hrs)

   **C: Mathematical Foundations** (7 hrs)

   **Mathematics:**
   - Note: Prior to enrolling in Math, take Math Placement Test at http://mathplacement.sdes.ucf.edu/
   - Required MAC 2311 Calculus with Analytic Geometry I 4 hrs

   **Statistics:**
   - Required STA 2023 Statistical Methods I 3 hrs

2. **Common Program Prerequisites (CPP)** (16 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- See Transfer Notes for possible substitutes for the courses listed below.
  - BSC 2010C Biology I GEP
  - BSC 2011C Biology II 4 hrs
  - CHM 2045C Chemistry Fundamentals I GEP
  - CHM 2046 Chemistry Fundamentals II 3 hrs
  - CHM 2046L Chemistry Fundamentals Laboratory 1 hr
  - MAC 2311 Calculus with Analytic Geometry I GEP
  - STA 2023 Statistical Methods I GEP

Complete one entire physics sequence:
  - PHY 2053C College Physics I and 4 hrs
  - PHY 2054C College Physics II 4 hrs
  - or
  - PHY 2048C Physics for Engineers & Scientists I and 4 hrs
  - PHY 2049C Physics for Engineers and Scientists II 4 hrs

**NOTE:** These courses are considered to be equivalents:
  - CHM 2045C Chemistry Fundamentals I GEP
  - 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 2053C College Physics I 4 hrs
  - PHY 2054C College Physics I 4 hrs

3. **Core Requirements: Basic Level** (8 hrs)
  - CHM 2210 Organic Chemistry I 3 hrs
  - CHM 2211 Organic Chemistry II 3 hrs
  - CHM 2211L Organic Laboratory Techniques I 2 hrs
  - STA 2023 Statistical Methods I GEP/CPP

4. **Core Requirements: Advanced Level** (13 hrs)
  - PCB 3023 Molecular Cell Biology 3 hrs
  - PCB 3044 Principles of Ecology 3 hrs
  - PCB 3063 Genetics 3 hrs
  - PCB 4693 Evolutionary Biology 4 hrs

5. **Restricted Electives** (22 hrs)

The following is a suggested subset of the Biology Restricted Electives which may be most appropriate for many professional schools.
- Student must complete at least one course dealing exclusively with zoology and one course dealing exclusively with botany.
- At least three credit hours from each group must be completed.
- At least 10 hours of the upper division restricted electives must be taken within the UCF Biology Department.
- 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.
- Consult a departmental advisor and be cognizant of the professional school’s requirements. For complete listing, see Biology B.S. degree program.
Form/Function

Complete a minimum of one lecture course from this group.  3 hrs

BCH 4053  Biochemistry I or  3 hrs
BCH 4054  Biochemistry II or  3 hrs
1 BSC 4454  Research in Animal Physiology or  2 hrs
2 PCB 3024L  Molecular Cell Biology Laboratory or  2 hrs
2 PCB 3063L  Genetics Laboratory or  1 hr
PCB 3233  Immunology or  3 hrs
2 PCB 4514  Genetics II or  3 hrs
1 PCB 4723  Animal Physiology or  4 hrs
2 PCB 5665C  Human Genetics or  4 hrs
1 ZOO 3713C  Comparative Vertebrate Anatomy or  5 hrs
1 ZOO 4603C  Embryology/Development or  5 hrs
ZOO 4753C  Vertebrate Histology  4 hrs

1 Fulfills Zoology requirement. Offered in Biology department.
2 Offered in Biology department.

Environmental

Complete a minimum of one lecture course from this group.  3 hrs
1 BOT 3602  Ethnobotany  3 hrs
1 Fulfills Botany requirement. Offered in Biology department.

Systematic

Complete a minimum of one lecture course from this group.  3 hrs
MCB 3020C  General Microbiology or  5 hrs
1 ZOO 4205C  Biology and Ecology of Metazoan Invertebrates or  4 hrs
1 ZOO 4310C  Vertebrate Evolution & Ecology  4 hrs

1 Fulfills Zoology requirement. Offered in Biology 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

Spanish is highly recommended.

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 minimum GPA of 2.0 in all UCF courses taken in the Common Program Prerequisites, the Biology Core and the Upper Division Restricted Electives.

To demonstrate Computer Competency students are expected to 1) check and maintain their campus electronic mail account and 2) be capable of locating, viewing, and retrieving class and research information on the World Wide Web.

Students will be required to take a comprehensive exam in biology 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.

Biology majors are discouraged from taking courses as a transient student at a community college, except in situations where one semester of a two semester sequence has already been taken at the community college.

Before applying to graduate, the CLAS must be completely satisfied.

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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
120

Honors In Major
None

Related Programs

Biology
Chemistry
Molecular Biology and Microbiology

Related Minors

Biology
Molecular Biology and Microbiology

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.
Students are strongly encouraged to work with the Office of Pre-Professional Advising (Ferrell Commons, Bldg 7G, Room 215C; 407-823-3033).
An analysis of the success and failure of students on recent MCAT examinations has led the department to suggest that a student should have completed all of the Biology core courses (sections 3 and 4) and the following courses prior to taking the MCAT exam:

MCB 3020C  General Microbiology  5 hrs
PCB 4524  Molecular Biology II  3 hrs

Transfer Notes

Lower Division courses taken at community colleges do not substitute for Upper Division courses.
Courses transferred from private and out-of-state schools must be evaluated by the undergraduate program coordinator 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:

BSC 2010C: May substitute the Honors version BSC X040C. Although the CPP is satisfied by PCB X011C, it will not satisfy prerequisites for subsequent Biology courses.
BSC 2011C: May substitute the Honors version BSC X041C or both ZOO X010C and BOT X010C.
CHM 2045C: may use CHM X040 plus CHM X041.
Physics: although the CPP is satisfied by Organic Chemistry, both subjects are required by the degree program and both must be taken.
Statistics: although a number of math and statistics course will satisfy the CPP, this statistics course is required in the program.
UCF Degree Programs

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://chemplacement.sdes.ucf.edu/
- Prior to enrolling in Math, take Math Placement Test ~ http://mathplacement.sdes.ucf.edu/

Freshman Year - Fall 15 hrs
- BSC 2010C  Biology I  4 hrs
- CHM 2045C  Chemistry Fundamentals I  4 hrs
- ENC 1101  Composition I  3 hrs
- Math prerequisite/Restricted Elective  4 hrs

Freshman Year - Spring 15 hrs
- BSC 2011C  Biology II  4 hrs
- CHM 2046  Chemistry Fundamentals II  3 hrs
- CHM 2046L  Chemistry Fundamentals Laboratory  1 hr
- ENC 1102  Composition II  3 hrs
- Math prerequisite/Restricted Elective  4 hrs

Sophomore Year - Fall 16 hrs
- GEP  3 hrs
- CHM 2210  Organic Chemistry I  3 hrs
- MAC 2311  Calculus with Analytic Geometry I  4 hrs
- PCB 3044  Principles of Ecology  3 hrs
- STA 2023  Statistical Methods I  3 hrs

Sophomore Year - Spring 16 hrs
- GEP  3 hrs
- Restricted Elective  3 hrs
- CHM 2211  Organic Chemistry II  3 hrs
- MAC 2312  Calculus with Analytic Geometry II  4 hrs
- PCB 3063  Genetics  3 hrs

Junior Year - Fall 16 hrs
- GEP  3 hrs
- Restricted Elective  3 hrs
- Restricted Elective  3 hrs
- PHY 2048C  Physics for Engineers & Scientists I  4 hrs

Junior Year - Spring 14 hrs
- Restricted Elective  3 hrs
- GEP  3 hrs
- PCB 4683  Evolutionary Biology  4 hrs
- PHY 2049C  Physics for Engineers and Scientists II  4 hrs

Senior Year - Fall 15 hrs
- Restricted Elective  4 hrs
- GEP  3 hrs
- GEP  3 hrs
- Restricted Elective  4 hrs
- Free Elective  2 hrs

Senior Year - Spring 15 hrs
- Restricted Elective  4 hrs
- Restricted Elective  3 hrs
- Free Elective  2 hrs
- Free Elective  3 hrs
- 1 CHM 2211L  Organic Laboratory Techniques I  2 hrs

1 May be taken earlier if space permits.

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: $19 per term
- Full-Time Student: $38 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
E-mail: bcbsinfo@mail.ucf.edu
Dr. P.E Kolattukudy, Chair
Dr. Henry Daniell, Program Director, daniell@mail.ucf.edu
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 Public University/Community College System
- Students should consult with a Departmental advisor
- Courses designated in section 1 below may be taken at a Florida Community College, and should usually be completed in the first 60 hours
- Grades below "C-"(1.75) in life science courses 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 1603 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 2253 Applied Calculus I or  3 hrs
  - Required MAC 2311 Calculus with Analytic Geometry I  4 hrs

D: Social Foundations (6 hrs)

E: Science Foundations
- Required BSC 2010C Biology I  4 hrs
- Required CHM 2045C Chemistry Fundamentals 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  4 hrs
  - 1 BSC 2011C Biology II  4 hrs
  - 1 CHM 2045C Chemistry Fundamentals I  3 hrs
  - CHM 2046 Chemical Fundamentals II  3 hrs
  - CHM 2210 Organic Chemistry I  3 hrs
  - CHM 2211 Organic Chemistry II  3 hrs
  - MAC 2311 Calculus with Analytic Geometry I  4 hrs
  - PHY 2053C College Physics I  4 hrs
  - PHY 2054C College Physics II  4 hrs
  - STA 2023 Statistical Methods I  3 hrs

1 See Transfer Notes for possible substitutions.

3. Core Requirements: Basic Level (0 hrs)
- None
4. Core Requirements: Advanced Level  

**Life Sciences**
- BSC 3403C  Quantitative Biological Methods  4 hrs
- MCB 3020C  General Microbiology  5 hrs
- MCB 4312  Molecular Biotechnology  3 hrs
- MCB 4414  Microbial Metabolism  3 hrs
- MCB 4720  Industrial Perspectives Seminar  3 hrs
- MCB 4721C  Methods in Biotechnology  4 hrs
- PCB 3233L  Immunology Laboratory  1 hr
- PCB 3522  Molecular Biology I  3 hrs
- PCB 4174  Foundation of Bio-Imaging Science  3 hrs
- PCB 4239  Molecular Immunology  3 hrs
- PCB 4524  Molecular Biology II  3 hrs
- PCB 4529  Experimental Molecular Biology  3 hrs

**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  Physics for Engineers & Scientists I and 4 hrs
  - PHY 2049C  Physics for Engineers and Scientists II  4 hrs

**Math**
Select 1:
- MAC 2253  Applied Calculus I or 3 hrs
- MAC 2311  Calculus with Analytic Geometry I  GEP
- MAC 2312  Calculus with Analytic Geometry II  GEP

5. Restricted Electives  

- 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.
- Those students who do not qualify for the MCB 4970H may elect MCB 4912, Undergraduate Research, as a substitute course, but a research report must be submitted to instructor after completion of research project.
- BCH 4054  Biochemistry II  3 hrs
- BCH 4103L  Biochemical Methods  2 hrs
- MCB 3203  Pathogenic Microbiology  3 hrs
- MCB 3203L  Pathogenic Microbiology  1 hr
- MCB 3404  Bacterial Genetics and Physiology  3 hrs
- MCB 4203  Infectious Processes  3 hrs
- MCB 4204  Cellular Microbiology: Host-Pathogen Interactions  3 hrs
- MCB 4503C  Virology  3 hrs
- MCB 4603  Environmental Microbiology  3 hrs
- MCB 4912  Directed Independent Research  3 hrs
- MCB 4970H  Honors Undergraduate Thesis II  3 hrs
- MCB 5225  Molecular Biology of Disease  3 hrs
- MCB 5505  Molecular Virology  3 hrs
- MCB 5654  Applied Microbiology  3 hrs
- MCB 5932  Current Topics in Molecular Biology  3 hrs
- PCB 3063  Genetics  3 hrs
- PCB 3703C  Human Physiology  4 hrs
- PCB 4251  Tissue Engineering  3 hrs
- PCB 4805  Endocrinology  3 hrs
- PCB 5236  Cancer Biology  3 hrs
- PCB 5238  Immunobiology  3 hrs
- PCB 5275  Signal Transduction Mechanics  3 hrs

6. Capstone Requirements  

<table>
<thead>
<tr>
<th>Graduation</th>
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<td>None</td>
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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  

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 pass 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, the CLAS and nine hours of Summer credit (if applicable)

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 3403H  Quantitative Biological Methods-Honors  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
- Molecular Biology and Microbiology

Certificates

None

Related Minors  

- Biology
- Chemistry
- Molecular Biology and Microbiology

Advising Notes

None

Transfer Notes  

- Students who begin a two semester sequence course (e.g. General Chemistry) at a community college are strongly encouraged to complete the sequence before transferring. If it will not be possible to complete the sequence at the community college, the student should postpone beginning the course until enrolling at UCF. Students may elect to take Human Anatomy (ZOO 3733C) and Human Physiology (PCB 3703C) at UCF in order to meet the University requirement that students complete 48 semester hours of upper division (3000/4000 level) credit. Students meeting the Human Anatomy and Physiology I
### 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

- BSC 2011C  Biology II  4 hrs
- CHM 2045C  Chemistry Fundamentals I  4 hrs
- CHM 2046C  Organic Chemistry I  3 hrs
- CHM 2046L  Organic Laboratory Techniques I  2 hrs
- CGS 1060C  Introduction to Computer Science  3 hrs
- STA 2023  Statistical Methods I  3 hrs
- ECO 2013  Principles of Macroeconomics  3 hrs
- POS 2041  American National Government  3 hrs
- PCB 3522  Molecular Biology I  3 hrs

### Plan of Study

**Freshman Year - Fall**
- CHM 2045C  Chemistry Fundamentals I  4 hrs
- ENC 1101  Composition I  3 hrs
- Select 1:  3 hrs
- Ant 2000  General Anthropology  3 hrs
- PSY 2012  General Psychology  3 hrs
- SYG 2000  Introduction to Sociology  3 hrs

**Freshman Year - Spring**
- BSC 2010C  Biology I  4 hrs
- CHM 2046  Chemistry Fundamentals II  3 hrs
- CHM 2046L  Chemistry Fundamentals Laboratory  1 hr
- ENC 1102  Composition II  3 hrs
- SPC 1603  Fundamentals of Technical Presentations  3 hrs

**Sophomore Year - Fall**
- CHM 2210  Organic Chemistry I  3 hrs
- MCB 3020C  General Microbiology  5 hrs
- Select 1:  4 hrs
- MAC 2253  Applied Calculus I or
- MAC 2311  Calculus with Analytic Geometry I  4 hrs
- Select 1:  3 hrs
- AMH 2010  U.S. History: 1492-1877 or
- EUH 2000  Western Civilization I or
- HUM 2210  Humanistic Tradition I or
- WOH 2012  World Civilization I  3 hrs

**Sophomore Year - Spring**
- BSC 3403C  Quantitative Biological Methods  4 hrs
- CHM 2211  Organic Chemistry II  3 hrs
- CHM 2211L  Organic Laboratory Techniques I  2 hrs
- Select 1:  3 hrs
- CGS 1060C  Introduction to Computer Science or
- STA 2023  Statistical Methods I  3 hrs
- Select 1:  3 hrs
- AMH 2010  U.S. History: 1877-Present or
- EUH 2001  Western Civilization II or
- HUM 2230  Humanistic Tradition II or
- WOH 2022  World Civilization II  3 hrs

**Junior Year - Fall**
- MCB 4720  Industrial Perspectives Seminar  3 hrs
- PCB 3522  Molecular Biology I  3 hrs
- Select 1:  3 hrs
- ECO 2013  Principles of Macroeconomics or
- POS 2041  American National Government  3 hrs
- Select 1:  4 hrs
- MAC 2253  Applied Calculus I or
- MAC 2311  Calculus with Analytic Geometry I  4 hrs

**Junior Year - Spring**
- BCH 4053  Biochemistry I  3 hrs
- MCB 4312  Molecular Biotechnology  3 hrs
- MCB 4721C  Methods in Biotechnology  4 hrs
- Restricted Elective  3 hrs

**Senior Year - Fall**
- BCH 4174  Foundation of Bio-Imaging Science  3 hrs
- PCB 4529  Experimental Molecular Biology  3 hrs
- Restricted Elective  3 hrs

**Senior Year - Spring**
- BCH 4053  Biochemistry I  3 hrs
- MCB 4312  Molecular Biotechnology  3 hrs
- MCB 4414  Microbial Metabolism  3 hrs
- MCB 4720  Industrial Perspectives Seminar  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

**Business**
- See General Business
Business Administration (B.A.B.A.)
College of Business Administration
Department of Management,
Business Administration II, Room: 101
http://www.bus.ucf.edu
E-mail: cba@bus.ucf.edu
Ms. Selena Forrest (Clermont Advising), 352-536-2174
Ms. Angelia Jones (Cocoa Advising), 321-433-7889
Ms. Christine Davis (Daytona Advising), 386-506-4021
Ms. Melba Sanchez (College of Business), 407-823-2184
Phone: 407-823-2184

The Bachelor of Arts in Business Administration (B.A.B.A.) within the College of Business Administration is a degree that will allow students to tailor their degree program to meet the needs of their chosen profession, through the use of an existing minor and a foreign language. The B.A.B.A. degree is significantly different than the traditional business degree at UCF such as Marketing, Finance, Accounting, etc. The B.A.B.A. degree permits course enrollment across various disciplines, in correspondence with the academic and life goals of each student. As such, B.A.B.A. is an individualized program of study consisting of the common program prerequisites, an approved academic minor, one year of foreign language, and the business core. Students can choose any minor outside the College of Business. The B.A.B.A. degree enables UCF’s undergraduate students to graduate from the University with a specialized degree, having a business emphasis, uniquely designed by the student and his or her advisor.

Not eligible for a double degree or double major with another CBA major.

Admission Requirements
- 2.0 GPA and completion of the UCF General Education program, Gordon Rule, and CLAS or an AA degree from a Florida Public Community College

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- 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.
- Students wanting a Bachelor of Arts in Business Administration must apply for admission to the major.
- Any student receiving a B.A.B.A. degree must complete one-half (18) of the 36 upper level business courses for their degree program in the College of Business Administration.
- Students must earn at least a 2.0 GPA in the College of Business Administration.
- Students seeking a B.A.B.A. major must earn a grade of “C” (2.0) or better in each course applied toward the major.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations
Prefer SPC 1508 Fundamentals of Oral Communication (3 hrs)

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations
Required MAC 1140 Pre-Calculus Algebra (3 hrs)
Required STA 2023 Statistical Methods I (3 hrs)

D: Social Foundations (6 hrs)

Select 1:
Suggested ECO 2013 Principles of Macroeconomics or (3 hrs)
Suggested ECO 2023 Principles of Microeconomics (3 hrs)

Select 1:
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.
- Must earn a “C” (2.0) or better in both MAC 2233 and STA 2023 to be waived from ECO 3401.

Select one of the following sequences of courses:
- MAC 2233 Concepts of Calculus and STA 2023 Statistical Methods I (3 hrs)

3. Core Requirements: Basic Level (0 hrs)
- None

4. Core Requirements: Advanced Level (32 hrs)

First of subsequent semester in the College of Business Administration:

BUL 3130 Legal and Ethical Environment of Business (4 hrs)
ECO 3411 Quantitative Business Tools II (4 hrs)
FIN 3403C Business Finance (4 hrs)
GEB 3031 Cornerstone: Professional Skills for Business (3 hrs)
GEB 3031L Cornerstone Lab: Professional Skills for Business (1 hr)

GEB 3375 Introduction to International Business (4 hrs)
ISM 3011C Essentials of Management Information Systems (4 hrs)
MAN 3025 Management of Organizations (4 hrs)
MAR 3023 Marketing (4 hrs)

1. Required in the 1st or 2nd semester

5. Restricted Electives (0 hrs)
- None

6. Capstone Requirements (4 hrs)
- MAN 4720 Strategic Management (4 hrs)
- This course should be taken in the graduating term and requires the following prerequisites:
  - FIN 3403C Business Finance (4 hrs)
  - GEB 3031 Cornerstone: Professional Skills for Business (3 hrs)
  - MAN 3025 Management of Organizations (4 hrs)
  - MAR 3023 Marketing (4 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
- 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
- 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

Equipment Fees
- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

Chemistry (B.S.)
College of Sciences
Department of Chemistry, Chemistry, Room: 117
http://chemistry.cos.ucf.edu/
E-mail: chemstaf@mail.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 community college, except in situations where one semester of a two semester sequence has already been taken at the community college
- Individual course prerequisites for enrollment in courses selected to complete areas 4 (Core Requirements-Advanced Level) and 5 (Restricted Electives) will be enforced without exception.
- 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.
- CHM 2045C Chemistry Fundamentals I 4 hrs
- CHM 2046C 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
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- PHY 2048C Physics for Engineers & Scientists I 4 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs

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 1603 Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (7 hrs)
- Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
- Prefer STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)
2. Common Program Prerequisites (CPP)

See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

Prior to enrolling in Chemistry, you must take the Chemistry Placement Test – http://chemplacement.sdes.ucf.edu

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
MAC 2311  Calculus with Analytic Geometry I  GEP
MAC 2312  Calculus with Analytic Geometry II  4 hrs
PHY 2048C  Physics for Engineers & Scientists I  GEP/CPP
PHY 2049C  Physics for Engineers and Scientists II  4 hrs

NOTE: These courses are considered to be equivalents:

CHM 2045C  Chemistry Fundamentals I  4 hrs

or - Students with little chemistry background should take this year long equivalent instead.

CHM 2040C  Chemistry Fundamentals IA and  3 hrs
CHM 2041C  Chemistry Fundamentals IB  3 hrs

3. Core Requirements: Basic Level

BSC 2010C  Biology I  GEP
MAC 2313  Calculus with Analytic Geometry III  4 hrs
PHY 2048C  Physics for Engineers & Scientists I  GEP/CPP
PHY 2049C  Physics for Engineers and Scientists II  CPP

Select 1:

STA 1060C  Basic Statistics Using Microsoft Excel or  0 hr
STA 2023  Statistical Methods I  GEP

4. Core Requirements: Advanced Level

BCH 4053  Biochemistry I  3 hrs
CHM 3120  Analytical Chemistry  3 hrs
CHM 3120L  Analytical Chemistry Laboratory  1 hr
CHM 3212L  Organic Laboratory Techniques II  2 hrs
CHM 3410  Physical Chemistry I  4 hrs
CHM 3411  Physical Chemistry II  3 hrs
CHM 3411L  Physical Chemistry Laboratory  2 hrs
CHM 4130  Advanced Analytical Laboratory Technique  3 hrs
CHM 4130L  Advanced Analytical Chemistry Laboratory  2 hrs
CHM 4461  Inorganic Chemistry  3 hrs
CHM 4461L  Inorganic Chemistry Laboratory  2 hrs
CHM 4912  Directed Independent Research  4 hrs
CHM 4930  Chemistry Seminar I  1 hr
CHM 4931  Chemistry Seminar II  1 hr

5. Restricted Electives

Select from the following courses:  6 hrs

BCH 4054  Biochemistry II  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
CHM 5451C  Techniques in Polymer Science  3 hrs
CHM 5580  Advanced Physical Chemistry  3 hrs
CHS 4200  Concepts in Industrial Chemistry  3 hrs
CHS 4615  Environmental Chemistry  3 hrs

Directed Electives  3 hrs

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

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

Complete a minimum of 30 Chemistry credits from the UCF Chemistry Department.

Achieve at least a “C” (2.0) grade in each UCF Chemistry course used to satisfy the major.

Computer Competency met by their statistics course or by departmental assessment.

The last 30 credit hours of regularly scheduled courses that satisfy degree requirements must be taken in Residence at UCF.

Grades earned in the following will not be applied in the determination of the Chemistry GPA:

CHM 4912  Directed Independent Research  4 hrs
CHM 4930  Chemistry Seminar I  1 hr
CHM 4931  Chemistry Seminar II  1 hr

10. Required Minors

None

11. Departmental Exit Requirements

Students are required to take a nationally normed test in chemistry 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.

Before applying to graduate, the CLAS must be completely satisfied.

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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

120

Honors In Major

None

Related Programs

Chemistry - Biochemistry Track
Forensic Science - Analysis Track
Forensic Science - Biochemistry Track
Molecular Biology and Microbiology
Science Education - Chemistry

Certificates

None

Related Minors

Chemistry
Molecular Biology and Microbiology
### UCF Degree Programs

#### Advising Notes
- Students must satisfy each course’s prerequisites before enrolling in the class.

#### Transfer Notes
- Lower Division courses taken at community colleges 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 2046C: may use CHM X040C plus CHM X041C.
- Physics & 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 Chemistry Placement Test ~ http://chemplacement.sdes.ucf.edu/
- Before registering for Math, you must take Math Placement Test ~ http://mathplacement.sdes.ucf.edu/

- **Freshman Year - Fall**
  - 15 hrs
  - BSC 2010C  Biology I  4 hrs
  - CHM 2045C  Chemistry Fundamentals I  4 hrs
  - ENC 1101  Composition I  3 hrs
  - MAC 2311  Calculus with Analytic Geometry I  4 hrs

- **Freshman Year - Spring**
  - 14 hrs
  - GEP  3 hrs
  - CHM 2046  Chemistry Fundamentals II  3 hrs
  - CHM 2046L  Chemistry Fundamentals Laboratory  1 hr
  - ENC 1102  Composition II  3 hrs
  - MAC 2312  Calculus with Analytic Geometry II  4 hrs

- **Sophomore Year - Fall**
  - 14 hrs
  - CHM 2210  Organic Chemistry I  3 hrs
  - MAC 2313  Calculus with Analytic Geometry III  4 hrs
  - PHY 2048C  Physics for Engineers & Scientists I  4 hrs
  - Statistics 3 hrs

- **Sophomore Year - Spring**
  - 14 hrs
  - GEP  3 hrs
  - Free Elective 2 hrs
  - CHM 2211  Organic Chemistry II  3 hrs
  - CHM 2211L  Organic Laboratory Techniques I  2 hrs
  - PHY 2049C  Physics for Engineers and Scientists II  4 hrs

- **Junior Year - Fall**
  - 16 hrs
  - GEP  3 hrs
  - BCH 4053  Biochemistry I  3 hrs
  - CHM 3120  Analytical Chemistry  3 hrs
  - CHM 3120L  Analytical Chemistry Laboratory  1 hr
  - CHM 3212L  Organic Laboratory Techniques II  2 hrs
  - CHM 3410  Physical Chemistry I  4 hrs

- **Junior Year - Spring**
  - 16 hrs
  - Restricted Elective 3 hrs
  - CHM 3411  Physical Chemistry II  3 hrs
  - CHM 3411L  Physical Chemistry Laboratory  2 hrs
  - CHM 4130  Advanced Analytical Laboratory Technique  3 hrs
  - CHM 4130L  Advanced Analytical Chemistry Laboratory  2 hrs
  - CHM 4610  Inorganic Chemistry  3 hrs

- **Senior Year - Fall**
  - 16 hrs
  - GEP  3 hrs
  - Restricted Elective 3 hrs
  - Free Elective 2 hrs
  - Free Elective 3 hrs
  - CHM 4610L  Inorganic Chemistry Laboratory  2 hrs
  - CHM 4912  Directed Independent Research  2 hrs
  - CHM 4930  Chemistry Seminar I  1 hr
  - **Senior Year - Spring**
  - 15 hrs
  - GEP  3 hrs
  - GEP  3 hrs
  - Free Elective 3 hrs
  - Free Elective 3 hrs
  - CHM 4912  Directed Independent Research  2 hrs
  - CHM 4931  Chemistry Seminar II  1 hr

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### 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

### Chemistry - Biochemistry Track (B.S.)

**Department of Chemistry, CH, Room: 117**

[http://www.cos.ucf.edu/chemistry](http://www.cos.ucf.edu/chemistry)

**E-mail: chemstaf@mail.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 course taken from the UCF Department of Chemistry.
- Chemistry majors are discouraged from taking courses as a transient student at a community college, except in situations where one semester of a two semester sequence has already been taken at the community college.
- Individual course prerequisites for enrollment in courses selected to complete areas 4 (Core Requirements-Advanced Level) and 5 (Restricted Electives) will be enforced without exception.
- 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  Physics for Engineers & Scientists I  4 hrs
- PHY 2049C  Physics for Engineers and Scientists II  4 hrs

**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

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**UNIVERSITY OF CENTRAL FLORIDA**

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**Undergraduate Catalog 2010-2011**
| B: Cultural & Historical Foundations | (9 hrs) |
| C: Mathematical Foundations | (7 hrs) |
| Required | MAC 2311 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 | BSC 2010C Biology I | 4 hrs |
| Required | PHY 2048C Physics for Engineers & Scientists I | 4 hrs |

2. Common Program Prerequisites (CPP) (20 hrs)
- 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
- MAC 2311 Calculus with Analytic Geometry I | 4 hrs
- MAC 2312 Calculus with Analytic Geometry II | 4 hrs

NOTE: These courses are considered as equivalents:
- CHM 2045C Chemistry Fundamentals I | 4 hrs
- or
- CHM 2040C Chemistry Fundamentals IA and
- CHM 2041C Chemistry Fundamentals IB | 3 hrs

3. Core Requirements: Basic Level (14 hrs)
- BSC 2010C Biology I | GEP
- CHM 3120 Analytical Chemistry | 3 hrs
- CHM 3120L Analytical Chemistry Laboratory | 1 hr
- CHM 3212L Organic Laboratory Techniques II | 2 hrs
- MAC 2313 Calculus with Analytic Geometry III | 4 hrs
- PHY 2048C Physics for Engineers & Scientists I | GEP
- PHY 2049C Physics for Engineers and Scientists II | 4 hrs

Select one of the following statistics courses | 0 hr
- STA 1060C Basic Statistics Using Microsoft Excel or
- STA 2023 Statistical Methods I | GEP

4. Core Requirements: Advanced Level (40 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 4220 Organic Chemistry III | 3 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 (7 hrs)

Select from the following:
- CHM 4130 Advanced Analytical Laboratory Technique | 3 hrs
- CHM 4906 Directed Independent Study | 1 hr
- CHM 5225 Advanced Organic Chemistry | 3 hrs
- CHM 5235 Applied Molecular Spectroscopy | 3 hrs
- PCB 3522 Molecular Biology I | 3 hrs

Additional upper level courses as approved by a departmental advisor

Additional physical, biological, and mathematical science 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

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
- Complete a minimum of 30 Chemistry credits from the UCF Chemistry Department.
- Achieve at least a “C” (2.0) grade in each UCF Chemistry course used to satisfy the major.
- Computer Competency met by statistics or by departmental assessment.
- The last 30 credit hours of regularly scheduled courses that satisfy degree requirements must be taken in Residence at UCF.
- Grades earned in the following courses will not be applied in the determination of the Chemistry GPA:
  - CHM 4912 Directed Independent Research | 4 hrs
  - CHM 4930 Chemistry Seminar I | 1 hr
  - CHM 4931 Chemistry Seminar II | 1 hr

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.
- Before applying to graduate, the CLAS must be completely satisfied.

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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors in Major
- None

Related Programs
- Biology
- Chemistry
- Forensic Science - Analysis Track
- Forensic Science - Biochemistry Track
- Molecular Biology and Microbiology

Certificates
- None
## Related Minors
- Biology
- Chemistry
- Molecular Biology and Microbiology

## Advising Notes
- None

## Transfer Notes
- Lower Division courses taken at community colleges 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 – http://chemplacement.sdes.ucf.edu/
- Prior to enrolling in Math, take Math Placement Test – http://mathplacement.sdes.ucf.edu/

### Freshman Year - Fall
- **15 hrs**
  - BSC 2010C Biology I 4 hrs
  - CHM 2045C Chemistry Fundamentals I 4 hrs
  - ENC 1101 Composition I 3 hrs
  - MAC 2311 Calculus with Analytic Geometry I 4 hrs

### Freshman Year - Spring
- **17 hrs**
  - GEP 3 hrs
  - GEP 3 hrs
  - CHM 2046 Chemistry Fundamentals II 3 hrs
  - CHM 2046L Chemistry Fundamentals Laboratory 1 hr
  - ENC 1102 Composition II 3 hrs
  - MAC 2312 Calculus with Analytic Geometry II 4 hrs

### Sophomore Year - Fall
- **14 hrs**
  - CHM 2210 Organic Chemistry I 3 hrs
  - MAC 2313 Calculus with Analytic Geometry III 4 hrs
  - PHY 2048C Physics for Engineers & Scientists I 4 hrs

### Sophomore Year - Spring
- **16 hrs**
  - GEP 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
  - PHY 2049C Physics for Engineers and Scientists II 4 hrs

### Junior Year - Fall
- **14 hrs**
  - GEP 3 hrs
  - BCH 4053 Biochemistry I 3 hrs
  - CHM 3212L Organic Laboratory Techniques II 2 hrs
  - PCB 3023 Molecular Cell Biology 3 hrs
  - PCB 3063 Genetics 3 hrs

### Junior Year - Spring
- **13 hrs**
  - GEP 3 hrs
  - BCH 4054 Biochemistry II 3 hrs
  - BCH 4103L Biochemical Methods 2 hrs
  - MCB 3020C General Microbiology 5 hrs

### Senior Year - Fall
- **16 hrs**
  - Restricted Elective 3 hrs
  - Restricted Elective 4 hrs
  - CHM 3410 Physical Chemistry I 4 hrs
  - CHM 4220 Organic Chemistry III 3 hrs
  - CHM 4912 Directed Independent Research 1 hr
  - CHM 4930 Chemistry Seminar I 1 hr

### Senior Year - Spring
- **15 hrs**
  - GEP 3 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 3 hrs
  - CHM 4931 Chemistry Seminar II 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_comacts.htm

## Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

## Cinema Studies Track in Film
### See Film - Cinema Studies Track

## 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
Ms. Carol Ann Pohl, cpohl@mail.ucf.edu
Dr. F. Necati Catbas, catbas@mail.ucf.edu
Phone: 407-823-2841

### Admission Requirements
- None

## 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.

### 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 State University/Community College Systems 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 1803 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 2311 Calculus with Analytic Geometry I 4 hrs
- Required STA 2023 Probability and Statistics for Engineers 3 hrs

#### D: Social Foundations (6 hrs)
- Select one class from Social Foundations 3 hrs
- Select one class from Social Foundations 3 hrs

#### Select 1:
- Prefer ECO 2013 Principles of Macroeconomics or 3 hrs
- Prefer ECO 2023 Principles of Microeconomics 3 hrs
E: Science Foundations (7 hrs)
Prefer  GEO 1200 Physical Geography  3 hrs
Required  PHY 2048C Physics for Engineers & Scientists 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.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

Select one of the following sequences of courses:
CHM 2040C Chemistry Fundamentals IA and  3 hrs
CHM 2041C Chemistry Fundamentals IB  3 hrs

or
CHM 2045C Chemistry Fundamentals I  4 hrs

or
CHS 1440 Fundamentals of Chemistry for Engineers  4 hrs

3. Core Requirements: Basic Level (5 hrs)
CHM 2045C Chemistry Fundamentals I  CPP
CHM 2046 Chemistry Fundamentals II  3 hrs
EGN 1006C Introduction to the Engineering Profession  1 hr
EGN 1007C Engineering Concepts and Methods  1 hr

4. Core Requirements: Advanced Level (57 hrs)
CCE 4003 Introduction to the Construction Industry  3 hrs
CES 4011C Geotechnical Engineering I  4 hrs
CES 4100C Structural Analysis I and Lab  4 hrs
CGN 3501C Civil Engineering Materials  3 hrs
CWR 3201 Engineering Fluid Mechanics  3 hrs
CWR 4101C Hydrology  3 hrs
CWR 4203C Hydraulics  3 hrs
EGN 3310 Engineering Analysis-Statics  3 hrs
EGN 3321 Engineering Analysis-Dynamics  3 hrs
EGN 3331 Mechanics of Materials  3 hrs
EGN 3343 Thermodynamics  3 hrs
EGN 3373 Principles of Electrical Engineering  3 hrs
EGN 3613 Engineering Economic Analysis  2 hrs
ENV 3001 Introduction to Environmental Engineering  3 hrs
ENV 4561 Environmental Engineering - Process Design  4 hrs
STA 302 Probability and Statistics for Engineers  GEP
SUR 2101C Surveying  3 hrs
TTE 4004 Transportation Engineering  4 hrs

Select 1:  3 hrs
CES 4605 Steel Structures or
CES 4702 Reinforced Concrete Structures  3 hrs

5. Restricted Electives (3 hrs)
- Technical electives are available in the BSCE 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

Select 2:  6 hrs
CES 4801C Geotechnical Engineering Design or 3 hrs
CES 4608C Steel Design or
CES 4709C Concrete Design or
CGN 4808C Civil Engineering Capstone Design or
CWR 4812C Water Resources Design or
ENV 4562C Environmental Engineering Systems Design or
TTE 4601C Urban Systems Design  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
- None

8. Electives
- None

9. Additional Requirements
- Civil engineering students must take the Fundamentals of Engineering (FE) Exam during their Senior year.

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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 128

Honors In Major
- None

Related Programs
- Construction Engineering
- Environmental Engineering

Certificates
- None

Related Minors
- Engineering Leadership
- Mathematics

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.
UCF Degree Programs

Transfer Notes

- Courses taken from Community Colleges 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.
- EGN 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

- GEP 3 hrs
- EGN 1006C Introduction to the Engineering Profession 1 hr
- ENC 1101 Composition I 3 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs

Select 1:

- ECO 2013 Principles of Macroeconomics or 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs

Freshman Year - Spring

- EGN 1007C Engineering Concepts and Methods 1 hr
- EGN 3613 Engineering Economic Analysis 2 hrs
- ENC 1102 Composition II 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- PHY 2048C Physics for Engineers & Scientists I 4 hrs

Sophomore Year - Fall

- GEP 3 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- EGN 3310 Engineering Analysis-Statics 3 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs

Sophomore Year - Spring

- GEP 3 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- EGN 3321 Engineering Analysis-Dynamics 3 hrs
- MAP 2302 Differential Equations 3 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs

Sophomore Year - Summer

- EGN 3331 Mechanics of Materials 3 hrs
- ENV 3001 Introduction to Environmental Engineering 3 hrs
- SUR 2101C Surveying 3 hrs

Junior Year - Fall

- CCE 4003 Introduction to the Construction Industry 3 hrs
- CES 4100C Structural Analysis I and Lab 4 hrs
- CWR 3201 Engineering Fluid Mechanics 3 hrs
- SPC 1603 Fundamentals of Technical Presentations 3 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs

Junior Year - Spring

- GEP 3 hrs
- CWR 4101C Hydrology 3 hrs
- CWR 4203C Hydraulics 3 hrs
- EGN 3373 Principles of Electrical Engineering 3 hrs
- TTE 4004 Transportation Engineering 4 hrs

Senior Year - Fall

- CEG 4011C Geotechnical Engineering I 4 hrs
- ENV 4561 Environmental Engineering - Process Design 4 hrs

Select 1:

- CES 4605 Steel Structures or 3 hrs
- CES 4702 Reinforced Concrete Structures 3 hrs

Design Course #1 3 hrs

Senior Year - Spring

- Restricted Elective 3 hrs
- GEP 3 hrs
- CEG 3501C Civil Engineering Materials 3 hrs
- EGN 3343 Thermodynamics 3 hrs
- Design Course #2 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

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.cooha.ucf.edu/comdis/

E-mail: comdisuag@mail.ucf.edu

R. Jane Lieberman

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 who change degree programs and select this major must adopt the most current catalog
- Students should consult with a departmental advisor
- The courses designated in section 1 below may be taken at a Florida public community college, and usually should be completed in the first 60 hours
- Students must earn at least a “C-” (1.75) in each required 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)

- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

Select 1:

- Suggested STA 2014C Principles of Statistics or 3 hrs
- Suggested STA 2023 Statistical Methods I 3 hrs

Select 1:

- Suggested MGF 1106 Finite Mathematics or 3 hrs
- Suggested MGF 1107 Explorations in Mathematics 3 hrs

D: Social Foundations (6 hrs)

- Suggested PSY 2012 General Psychology 3 hrs

Select 1:

- Suggested ECO 2013 Principles of Macroeconomics or 3 hrs
- Suggested ECO 2023 Principles of Microeconomics or 3 hrs
- Suggested POS 2041 American National Government 3 hrs

E: Science Foundations (6 hrs)

- Prefer BSC 1005 Biological Principles 3 hrs
- Select one physical science 3 hrs

2. Common Program Prerequisites (CPP) (0 hrs)

- None
3. Core Requirements: Basic Level  
- None  

4. Core Requirements: Advanced Level  
- Students have two options for completing this requirement:
  
  **Option 1:**  
  - STA 2023  Statistical Methods I or STA 4183  Statistical Methods II  
  - GEP 3 hrs

  **Option 2:**  
  - STA 2014C  Principles of Statistics or SPA 4803  Research Methods in Communication Sciences and Disorders and STA 2023  Statistical Methods I

  Core Requirements  
- 53 hrs
  - DEP 2004  Developmental Psychology 3 hrs
  - LIN 3713  Language Science 3 hrs
  - 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 3101  Physiological Bases of Speech and Hearing 3 hrs
  - SPA 3104  Neural Bases of Communication 3 hrs
  - SPA 3112  Basic Phonetics 3 hrs
  - SPA 3112L  Basic Phonetics Lab 1 hr
  - SPA 3123  Speech Science II: Perception 3 hrs
  - SPA 3123L  Speech Perception Lab 1 hr
  - SPA 3471  Communication Disorders in Literature and Media 3 hrs
  - SPA 4022  Audiology 3 hrs
  - SPA 4201  Audiolinguistic Rehabilitation 3 hrs
  - SPA 4400  Language Disorders Across the Life Span 3 hrs
  - SPA 4476  Speech Disorders Across the Lifespan 3 hrs
  - SPA 4478  Multicultural Aspects of Communication Disorders & Differences 3 hrs
  - SPA 4870C  Capstone Course 3 hrs

  **Select 1:**  
  - 3 hrs
    - EAB 5703  Principles of Behavior Modification or EDF 3303  Learning Environments and Guidance for Young Children or
    - EEC 4604  Classroom Management and Guidance of Young Children or
    - EEX 4601  Introduction to Behavior Management or
    - SPA 3472  Guidance of Young Children with Communication Disorders

  5. Restricted Electives  
- 9 hrs

  B.A./B.S. Option:  
- Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year in college.  
- 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  
- Students must demonstrate proficiency in a foreign language equivalent to one year in college.

  8. Electives  
- None

  9. Additional Requirements  
- None

  10. Required Minors  
- None

  11. Departmental Exit Requirements  
- Students must achieve a minimum grade of "C-" (1.75) in all required 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

  **Total Semester Hours Required**  
- 120

Honors in Major  
- Interested students should consult with a faculty advisor.

Related Programs  
- Early Childhood Education  
- Exceptional Student Education  
- Health Services Administration  
- Physical Therapy  
- Psychology  
- Social Work

Certificates  
- None

Related Minors  
- Aging Studies  
- Early Childhood Education  
- Exceptional Education  
- Health Services Administration  
- Interpersonal/Organizational Communication  
- Linguistics  
- Psychology

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  
- Courses taken at community colleges 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**  
- 15 hrs
  - Free Elective 3 hrs
  - BSC 1005L  Biological Principles Laboratory 1 hr
  - ENC 1101  Composition I 3 hrs
  - PSY 2012  General Psychology 3 hrs
## UCF Degree Programs

### Freshman Year - Spring

**Select 1:**
- ARH 2050 History of Western Art I or 3 hrs
- ARH 2051 History of Western Art II or 3 hrs
- FIL 1000 Cinema Survey or 3 hrs
- LIT 2110 World Literature I or 3 hrs
- LIT 2120 World Literature II or 3 hrs
- MUL 2010 Enjoyment of Music or 3 hrs
- PHI 2010 Introduction to Philosophy or 3 hrs
- REL 2300 World Religions or 3 hrs
- THE 2000 Theatre Survey 3 hrs

### Select 1:
- DEP 2004 Developmental Psychology Composition II 3 hrs
- ENC 1102 3 hrs
- PHY 2053C College Physics I or 4 hrs
- PSC 1121 Physical Science 3 hrs

### Select 1:
- ECO 2013 Principles of Macroeconomics or 3 hrs
- ECO 2023 Principles of Microeconomics or 3 hrs
- POS 2041 American National Government 3 hrs

### Select 1:
- AMH 2010 U.S. History: 1492-1877 or 3 hrs
- EUH 2000 Western Civilization I or 3 hrs
- HUM 2210 Humanistic Tradition I 3 hrs

### Sophomore Year - Fall

**Select 1:**
- SPA 3471 Communication Disorders in Literature and Media 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

### Select 1:
- ECO 2001 Principles of Macroeconomics or 3 hrs
- ECO 2023 Principles of Microeconomics or 3 hrs
- POS 2041 American National Government 3 hrs

### Select 1:
- AMH 2010 U.S. History: 1492-1877 or 3 hrs
- EUH 2000 Western Civilization I or 3 hrs
- HUM 2210 Humanistic Tradition I 3 hrs

### Sophomore Year - Spring

**Select 1:**
- ARH 2050 History of Western Art I or 3 hrs
- ARH 2051 History of Western Art II or 3 hrs
- FIL 1000 Cinema Survey or 3 hrs
- LIT 2110 World Literature I or 3 hrs
- LIT 2120 World Literature II or 3 hrs
- MUL 2010 Enjoyment of Music or 3 hrs
- PHI 2010 Introduction to Philosophy or 3 hrs
- REL 2300 World Religions or 3 hrs
- THE 2000 Theatre Survey 3 hrs

### Select 1:
- DEP 2004 Developmental Psychology Composition II 3 hrs
- ENC 1102 3 hrs
- PHY 2053C College Physics I or 4 hrs
- PSC 1121 Physical Science 3 hrs

### Select 1:
- ECO 2013 Principles of Macroeconomics or 3 hrs
- ECO 2023 Principles of Microeconomics or 3 hrs
- POS 2041 American National Government 3 hrs

### Select 1:
- AMH 2010 U.S. History: 1492-1877 or 3 hrs
- EUH 2000 Western Civilization I or 3 hrs
- HUM 2210 Humanistic Tradition I 3 hrs

### Junior Year - Fall

**Select 1:**
- 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

### Junior Year - Spring

**Select 1:**
- LIN 3716 Language Development 3 hrs
- LIN 3716L Language Development Lab 2 hrs
- 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

### Senior Year - Fall

**Select 1:**
- SPA 4803 Research Methods in Communication Sciences and Disorders or 3 hrs
- STA 4153 Statistical Methods II 3 hrs

### Senior Year - Spring

**Select 1:**
- Restricted Elective 3 hrs
- Free Elective 3 hrs
- SPA 4321 Audiology Rehabilitation 3 hrs
- SPA 4501L Undergraduate Clinical Practicum 3 hrs
- SPA 4870C Capstone Course 3 hrs

1. Consult department for list of restricted electives.

## Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.eecs.ucf.edu/alc/academic_learning_compacts.htm](http://www.eecs.ucf.edu/alc/academic_learning_compacts.htm)

## Equipment Fees

- Part-Time Student: $17.50 per term
- Full-Time Student: $35.00 per term

## Computer Engineering (B.S.P.E.)

**College of Engineering and Computer Science**

**School of Electrical Engineering and Computer Science**

**Harris Corp. Engineering Center, Room: 246**

[http://www.eecs.ucf.edu](http://www.eecs.ucf.edu)

**E-mail:** undergraduate@eecs.ucf.edu

Dr. Samuel Richie
Ms. Charlese Hilton-Brown
Phone: 407-823-3327

## Admission Requirements

- None

## Degree Requirements

- None

1. **UCF General Education Program (GEP)** (38 hrs)

- 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 State University/Community College Systems 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:

- Suggested SPC 1603 Fundamentals of Technical Presentations or 3 hrs
- Suggested SPC 1608 Fundamentals of Oral Communication 3 hrs

### Senior Year - Fall

**Select 1:**
- Foreign Language II (B.A.) or Health Sciences Elective 3 hrs

### Senior Year - Spring

**Select 1:**
- Language Development 3 hrs
- Language Development Lab 2 hrs
- Neural Bases of Communication 3 hrs
- Speech Science II: Perception 3 hrs
- Speech Perception Lab 1 hr
- Speech Disorders Across the Lifespan 3 hrs

1. None

## Junior Year - Fall

**Select 1:**
- Restricted Elective 3 hrs
- Free Elective 3 hrs
- Audiology Rehabilitation 3 hrs
- Undergraduate Clinical Practicum 3 hrs
- Capstone Course 3 hrs

1. Consult department for list of restricted electives.
### B: Cultural & Historical Foundations
Select two courses from Historical Foundations 
Select one class from Cultural Foundations 
(9 hrs)

### C: Mathematical Foundations
Required 
- MAC 2311: Calculus with Analytic Geometry I 
- STA 3032: Probability and Statistics for Engineers 
(7 hrs)

### D: Social Foundations
Select 1:
- Prefer ECO 2013: Principles of Macroeconomics 
- Prefer ECO 2023: Principles of Microeconomics 
(3 hrs)

Select one class from Social Foundations 
(3 hrs)

### E: Science Foundations
Required 
- PHY 2048C: Physics for Engineers & Scientists I 
Select one course from Science Foundations 
(7 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 for those courses indicated.
- 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>ENC 1101</td>
<td>Composition I</td>
<td>GEP</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>Composition II</td>
<td>GEP</td>
</tr>
<tr>
<td>MAC 2311</td>
<td>Calculus with Analytic Geometry I</td>
<td>GEP</td>
</tr>
<tr>
<td>MAC 2312</td>
<td>Calculus with Analytic Geometry II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAC 2313</td>
<td>Calculus with Analytic Geometry III</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAP 2302</td>
<td>Differential Equations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 2048C</td>
<td>Physics for Engineers &amp; Scientists I</td>
<td>GEP</td>
</tr>
<tr>
<td>PHY 2049C</td>
<td>Physics for Engineers and Scientists II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 2045C</td>
<td>Chemistry Fundamentals I or 2 CHS 1440</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHS 1440</td>
<td>Fundamentals of Chemistry for Engineers</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

1. A “C” (2.0) or better is required in this course.
2. 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, as well as 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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 1006C</td>
<td>Introduction to the Engineering Profession</td>
</tr>
<tr>
<td>EGN 1007C</td>
<td>Engineering Concepts and Methods</td>
</tr>
</tbody>
</table>

### 4. Core Requirements: Advanced Level (54 hrs)

#### Engineering Core
Required 
- EGN 3310: Engineering Analysis-Statics 
- STA 3032: Probability and Statistics for Engineers 
(6 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 3310</td>
<td>Engineering Analysis-Statics</td>
</tr>
<tr>
<td>STA 3032</td>
<td>Probability and Statistics for Engineers</td>
</tr>
</tbody>
</table>

Select 1:
- EGN 3321: Engineering Analysis-Dynamics or 
- EGN 3358: Thermo-Fluids-Heat Transfer 
(3 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 3321</td>
<td>Engineering Analysis-Dynamics or</td>
</tr>
<tr>
<td>EGN 3358</td>
<td>Thermo-Fluids-Heat Transfer</td>
</tr>
</tbody>
</table>

#### Courses Required for the Major (48 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>COP 3300</td>
<td>Object Oriented Programming</td>
</tr>
<tr>
<td>COP 3502C</td>
<td>Computer Science I</td>
</tr>
<tr>
<td>COP 3503C</td>
<td>Computer Science II</td>
</tr>
<tr>
<td>COP 4331C</td>
<td>Processes for Object-Oriented Software Development</td>
</tr>
<tr>
<td>COP 4600</td>
<td>Operating Systems</td>
</tr>
<tr>
<td>COT 3100C</td>
<td>Introduction to Discrete Structures</td>
</tr>
<tr>
<td>EEE 3307C</td>
<td>Electronics I</td>
</tr>
<tr>
<td>EEE 3342C</td>
<td>Digital Systems</td>
</tr>
<tr>
<td>EEL 3004</td>
<td>Electrical Networks</td>
</tr>
<tr>
<td>EEL 3123C</td>
<td>Networks and Systems</td>
</tr>
<tr>
<td>EEL 3801C</td>
<td>Computer Organization</td>
</tr>
<tr>
<td>EEL 4742C</td>
<td>Embedded Systems</td>
</tr>
<tr>
<td>EEL 4768C</td>
<td>Computer Architecture</td>
</tr>
<tr>
<td>EEL 4781</td>
<td>Computer Communication Networks</td>
</tr>
</tbody>
</table>

5. Restricted Electives (9 hrs)
- Technical electives are available in the BSCpE 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)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEL 4914</td>
<td>Senior Design I</td>
</tr>
<tr>
<td>EEL 4915L</td>
<td>Senior Design II</td>
</tr>
</tbody>
</table>

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.

### 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
- A minimum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

### 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

- Computer Science
- Engineering Leadership
- Information Technology
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Mathematics
- Physics
UCF Degree Programs

Advising Notes
- Each engineering student should meet regularly with an academic advisor in the major department.
- Students are assumed to have knowledge of a higher level programming language (C preferred).
- 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 advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.

Transfer Notes
- Courses taken from Community Colleges 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.

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
- EGN 1006C Introduction to the Engineering Profession 1 hr
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- SPC 1603 Fundamentals of Technical Presentations 3 hrs
- GEP- Historical Foundation 3 hrs
- GEP- Science Foundation 3 hrs

Freshman Year - Spring
- COP 3223 Introduction to Programming with C 3 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 Physics for Engineers & Scientists I 4 hrs

Sophomore Year - Fall
- COT 3100C Introduction to Discrete Structures 3 hrs
- EGN 3310 Engineering Analysis-Statics 3 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs
- GEP- Historical Foundation 3 hrs

Sophomore Year - Spring
- EEE 3342C Digital Systems 3 hrs
- EEL 3004 Electrical Networks 3 hrs
- ENC 1102 Composition II 3 hrs
- MAP 2302 Differential Equations 3 hrs

Select 1:
- CHM 1440 Chemistry Fundamentals I or
- CH 1440 Fundamentals of Chemistry for Engineers 4 hrs

Sophomore Year - Summer
- EEL 3123C Networks and Systems 4 hrs
- EEL 3801C Computer Organization 3 hrs
- GEP- Cultural Foundation 3 hrs

Junior Year - Fall
- COP 3330 Object Oriented Programming 3 hrs
- COP 3502C Computer Science I 3 hrs
- EEE 3307C Electronics I 4 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs

Select 1:
- Select 1: 3 hrs
- COP 3321 Engineering Analysis-Dynamics or
- EGN 3358 Thermo-Fluids-Heat Transfer 3 hrs

Junior Year - Spring
- COP 3503C Computer Science II 4 hrs
- COP 4331C Processes for Object-Oriented Software Development 4 hrs
- EEL 4742C Embedded Systems 4 hrs
- GEP- Social Foundation 3 hrs

Senior Year - Fall
- Restricted Elective 3 hrs
- EEL 4768C Computer Architecture 4 hrs
- EEL 4914 Senior Design I 3 hrs

Senior Year - Spring
- Restricted Elective 3 hrs
- COP 4600 Operating Systems 3 hrs
- EEL 4781 Computer Communication Networks 3 hrs
- EEL 4915L 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: $45 per term
- Full-Time Student: $90 per term

Computer Science (B.S.)
College of Engineering and Computer Science
School of Electrical Engineering and Computer Science,
Harris Corp. Engineering Center, Room: 246
http://www.eecs.ucf.edu
E-mail: undergraduate@eecs.ucf.edu
Dr. Ali Orooji
Ms. Charlese Hilton-Brown
Phone: 407-823-3327

Admission Requirements
- Foundation Examination: Prior to taking courses beyond basic core requirements, students must pass a foundation exam (COT 3960) which covers problem solving techniques, algorithms, abstraction, proofs, and programming language skills. Tests will be administered each semester. Refer to the computer science website for more information about the foundation exam.

Degree Requirements
- Students are required to consult with a departmental advisor and file a plan of study after passing the foundation exam.
- Students must meet a Residency Requirement of at least 24 semester hours of regularly scheduled 3000-5000 level courses taken from Computer Science at UCF.
- 18 of the 24 Residency hours must be at the 4000-5000 level.
- Students must earn at least a 2.0 in each course 2-5.

1. UCF General Education Program (GEP) (39 hrs)

A: Communication Foundations
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs

Select 1:
- Prefer SPC 1603 Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (7 hrs)
- Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
- Required STA 2023 Statistical Methods I 3 hrs

UNIVERSITY OF CENTRAL FLORIDA
158 Undergraduate Catalog 2010-2011
D: Social Foundations (6 hrs)
E: Science Foundations (8 hrs)
  Prefer BSC 2010C Biology I 4 hrs
  Prefer PHY 2048C Physics for Engineers & Scientists I 4 hrs
2. Common Program Prerequisites (CPP) (15 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 3223 Introduction to Programming with C 3 hrs
  • MAC 2311 Calculus with Analytic Geometry I GEP
  • MAC 2312 Calculus with Analytic Geometry II 4 hrs
  • PHY 2048C Physics for Engineers & Scientists I GEP
  • PHY 2049C Physics for Engineers and Scientists 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
  • BSC 2011C Biology II or 4 hrs
  • CHM 2045C Chemistry Fundamentals I or 4 hrs
  • CHM 2046 Chemistry Fundamentals II or 3 hrs
  • PHY 3101 Physics for Engineers and Scientists III 3 hrs
3. Core Requirements: Basic Level (25 hrs)
  ■ A “C” (2.0) or better is required in all courses in this area.
  • CDA 3103 Computer Logic and Organization 3 hrs
  • CIS 3360 Security in Computing 3 hrs
  • COP 3330 Object Oriented Programming 3 hrs
  • COP 3402 Systems Software 3 hrs
  • COP 3502C Computer Science I 3 hrs
  • COP 3503C Computer Science II 4 hrs
  • COT 3100C Introduction to Discrete Structures 3 hrs
  • COT 3960 CS Foundation Exam 0 hrs
  • ENC 3241 Writing for the Technical Professional 3 hrs
  • STA 2023 Statistical Methods I GEP
4. Core Requirements: Advanced Level (20 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. Only the highest grade is used in the calculation.
  • COP 4020 Programming Languages I 3 hrs
  • COP 4331C Processes for Object-Oriented Software 4 hrs
  • Development
  • COP 4600 Operating Systems 3 hrs
  • COT 4210 Discrete Structures II 3 hrs
  • COT 4810 Topics in Computer Science 3 hrs
  • EEL 4768C Computer Architecture 4 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
  ■ Must be offered by Computer Science at UCF. 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).
  • 4000-5000 level mathematics or statistics 6 hrs
  ■ Courses from: STA, MAP, MAA, MAD, MAS prefixes and the following. No independent study hours, internship, or cooperative education hours are allowed.
  • MAC 2313 Calculus with Analytic Geometry III 4 hrs
  • MAP 2302 Differential Equations 3 hrs
  • MAS 3105 Matrix and Linear Algebra 4 hrs
  • MAS 3106 Linear Algebra 4 hrs
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.
## UCF Degree Programs

### Freshman Year - Summer
- COP 3330 Object Oriented Programming 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs

### Sophomore Year - Fall
- GEP 3 hrs
- COP 3402 Systems Software 3 hrs
- COP 3503C Computer Science II 4 hrs
- PHY 2048C Physics for Engineers & Scientists I 4 hrs

### Sophomore Year - Spring
- CIS 3360 Security in Computing 3 hrs
- COP 4331C Processes for Object-Oriented Software Development 4 hrs
- ENC 3241 Writing for the Technical Professional 3 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs

### Sophomore Year - Summer
- GEP 3 hrs
- STA 2023 Statistical Methods I 3 hrs

### Junior Year - Fall
- GEP 3 hrs
- BSC 2010C Biology I 4 hrs
- COP 4020 Programming Languages I 3 hrs
- EEL 4768C Computer Architecture 4 hrs

### Junior Year - Spring
- 1 Restricted Elective 3 hrs
- 2 Restricted Elective 3 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- COP 4600 Operating Systems 3 hrs

1. Math/Stat Restricted Elective
2. CS Elective

### Senior Year - Fall
- 1 Restricted Elective 3 hrs
- 2 Restricted Elective 3 hrs
- ENC 1102 Composition II 3 hrs
- ENC 1101 Composition I 3 hrs
- MAP 2302 Differential Equations 3 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- PHY 2048C Physics for Engineers & Scientists I 4 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs

1. CS Elective
2. Math/Stat Restricted Elective

### 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

## 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

Ms. Carol Ann Pohl, cpohl@mail.ucf.edu
Dr. Amr A. Oloufa, aoloufa@mail.ucf.edu
Phone: 407-823-2841

### Admission Requirements
- None

### 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.

#### 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 State University/Community College Systems 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 1603 Fundamentals of Technical Presentations 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 2311 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 2013 Principles of Macroeconomics or
  - Prefer ECO 2023 Principles of Microeconomics 3 hrs
- Select one class from Social Foundations 3 hrs

##### E: Science Foundations (7 hrs)
- Required GEO 1200 Physical Geography 3 hrs
- Required PHY 2048C Physics for Engineers & Scientists 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 2311 and PHY 2048/48L also satisfy UCF GEP.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

- ENC 1101 Composition I 3 hrs
- ENC 1102 Composition II 3 hrs
- MAC 2311 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 Differential Equations 3 hrs
- PHY 2048C Physics for Engineers & Scientists I 4 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs

#### Select one of the following sequences of courses:
- CHM 2040C Chemistry Fundamentals IA and 3 hrs
- CHM 2041C Chemistry Fundamentals IB 3 hrs
  - or
- CHM 2045C Chemistry Fundamentals I 4 hrs
  - or
- CHM 2046 Chemistry Fundamentals II 3 hrs
- EGN 1006C Introduction to the Engineering Profession 1 hr
- EGN 1007C Engineering Concepts and Methods 1 hr

#### 3. Core Requirements: Basic Level (5 hrs)
- CHM 2045C Chemistry Fundamentals I 3 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- EGN 1006C Introduction to the Engineering Profession 1 hr
- EGN 1007C Engineering Concepts and Methods 1 hr
4. Core Requirements: Advanced Level (57 hrs)

ACG 2071  Principles of Managerial Accounting  3 hrs  
CCE 4003  Introduction to the Construction Industry  3 hrs  
CCE 4004  Construction Methods  3 hrs  
CCE 4034  Construction Estimating and Scheduling  3 hrs  
CCE 4402  Construction Equipment and Productivity  3 hrs  
CCE 4813  Mechanical and Electrical Systems for Buildings  4 hrs  
CEG 4011C  Geotechnical Engineering I  4 hrs  
CES 4100C  Structural Analysis I and Lab  4 hrs  
CGN 3501C  Civil Engineering Materials  3 hrs  
CWR 3201  Engineering Fluid Mechanics  3 hrs  
EGN 3311  Engineering Analysis-Statistics  3 hrs  
EGN 3321  Engineering Analysis-Dynamics  3 hrs  
EGN 3331  Mechanics of Materials  3 hrs  
EGN 3613  Engineering Economic Analysis  2 hrs  
ENV 3001  Introduction to Environmental Engineering  3 hrs  
STA 3032  Probability and Statistics for Engineers  GEP  
SUR 2101C  Surveying  3 hrs  
TTE 4004  Transportation Engineering  4 hrs  
Select 1:  3 hrs  
CES 4605  Steel Structures or  
CES 4702  Reinforced Concrete Structures  3 hrs  

1 A “C” (2.0) or better is required in this course.

5. Restricted Electives (3 hrs)  
- Engineering Science electives are available in the BSConE program to address specific student interests in a variety of technical areas. Students are encouraged to take one of the following as the technical elective. Other courses from the list of approved technical electives may be used with the approval of the department advisor. 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.

Select 1:  
CWR 4101C  Hydrology  3 hrs  
CWR 4203C  Hydraulics  3 hrs  
EGN 3343  Thermodynamics  3 hrs  
EGN 3373  Principles of Electrical Engineering  3 hrs  

6. Capstone Requirements (6 hrs)  
- Required Senior Design Courses  
Take all of the following:  6 hrs  
CCE 4810C  Construction Design Project and CEG 4810C  Geotechnical Engineering Design  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  
- Construction engineering students must take the Fundamentals of Engineering (FE) Exam during their Senior year.

10. Required Minors  
- None

11. Departmental Exit Requirements  
- None

12. University Minimum Exit Requirements  
- A 2.0 UCF GPA  
- 48 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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required  
- 128

8. Electives  
- None

Related Programs  
- Civil Engineering  
- Environmental Engineering

Certificates  
- None

Related Minors  
- Business  
- Engineering Leadership  
- Mathematics

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 taken from Community Colleges 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.
- EGN 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)

Freshman Year - Fall  
- 14 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.

<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>MAC 2311  Calculus with Analytic Geometry I</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

Select 1:  3 hrs  
ECO 2013  Principles of Macroeconomics or  
ECO 2023  Principles of Microeconomics  3 hrs

Freshman Year - Spring  
- 15 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 1006C  Introduction to the Engineering Profession</td>
<td>1 hr</td>
</tr>
<tr>
<td>EGN 1102  Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 1102  Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 2312  Calculus with Analytic Geometry II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PHY 2048C  Physics for Engineers &amp; Scientists II</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>
Sophomore Year - Fall

- GEP (3 hrs)
- CHM 2045C: Chemistry Fundamentals I (4 hrs)
- EGN 3310: Engineering Analysis-Statics (3 hrs)
- EGN 3613: Engineering Economic Analysis (2 hrs)
- MAC 2313: Calculus with Analytic Geometry III (4 hrs)

Sophomore Year - Spring

- CHM 2046: Chemistry Fundamentals II (3 hrs)
- EGN 3310: Engineering Analysis-Statics (3 hrs)
- EGN 3613: Engineering Economic Analysis (2 hrs)
- MAC 2313: Calculus with Analytic Geometry III (4 hrs)

Sophomore Year - Summer

- GEP (3 hrs)
- ENV 3001: Introduction to Environmental Engineering (3 hrs)
- STA 3052: Probability and Statistics for Engineers (3 hrs)

Junior Year - Fall

- GEP (3 hrs)
- CCE 4003: Introduction to the Construction Industry (3 hrs)
- CES 4100C: Structural Analysis I and Lab (4 hrs)
- CGN 3501C: Civil Engineering Materials (3 hrs)
- EGN 3321: Engineering Analysis-Dynamics (3 hrs)

Junior Year - Spring

- Restricted Elective (3 hrs)
- CCE 4004: Construction Methods (3 hrs)
- CWR 3201: Engineering Fluid Mechanics (3 hrs)
- SUR 2110C: Surveying (3 hrs)

Select 1:

- CWR 4101C: Hydrology (3 hrs)
- CWR 4203C: Hydraulics or (3 hrs)
- EGN 3343: Thermodynamics or (3 hrs)
- EGN 3373: Principles of Electrical Engineering (3 hrs)

Concrete or Steel

- CES 4605: Steel Structures or (3 hrs)
- CES 4702: Reinforced Concrete Structures (3 hrs)

Senior Year - Fall

- CCE 4034: Construction Estimating and Scheduling (3 hrs)
- CCE 4813: Mechanical and Electrical Systems for Buildings (4 hrs)
- CEG 4011C: Geotechnical Engineering I (4 hrs)
- TTE 4004: Transportation Engineering (4 hrs)

Senior Year - Spring

- ACG 2071: Principles of Managerial Accounting (3 hrs)
- CCE 4402: Construction Equipment and Productivity (3 hrs)
- CCE 4810C: Construction Design Project (3 hrs)
- CEG 4801C: Geotechnical Engineering Design (3 hrs)

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: $45 per term
- Full-Time Student: $90 per term

Criminal Justice (B.A. / B.S.)

College of Health and Public Affairs

Department of Criminal Justice and Legal Studies, Health and Public Affairs, Room: 311

http://www cohpa.ucf.edu/crls.jus/

E-mail: cjadvise@mail.ucf.edu

Mary Ann Eastep
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 Public University/Community College System.
- The courses designated in section 1 below may be taken at a Florida Community College, 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)

Select 1:

- Suggested CGS 1060C: Introduction to Computer Science (3 hrs)
- Suggested STA 1060C: Basic Statistics Using Microsoft Excel (3 hrs)
- Suggested STA 2014C: Principles of Statistics (3 hrs)

Select 1:

- Suggested MGF 1106: Finite Mathematics or (3 hrs)
- Suggested MGF 1107: Explorations in Mathematics (3 hrs)

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (0 hrs)

- None

3. Core Requirements: Basic Level (0 hrs)

- None

4. Core Requirements: Advanced Level (18 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)
- CCJ 4701: Research Methods in Criminal Justice (3 hrs)
- CJC 3010: Corrections and Penology (3 hrs)
- CJE 4014: Police and Society (3 hrs)
- CJS 3510: Prosecution and Adjudication (3 hrs)

5. Restricted Electives (42 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.
15 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 completing a minor from another program approved by the department with a minimum of 15 semester hours credit.

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 15 hour supporting course requirement.

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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- Interested students should consult with a faculty advisor.

Related Programs
- Legal Studies

Certificates
- None

Related Minors
- Legal Studies
- Psychology
- Public Administration

Advising Notes
- None

Transfer Notes
- "D" (1.0) grades are not accepted.

Acceptable Substitutes for Transfer Courses
- None

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**Plan of Study**

**Freshman Year - Fall**
- ENC 1101  Composition I
- PAF 2102  Public Affairs Careers
- Select 1: 3 hrs
  - MAC 1105  College Algebra or
  - MGF 1106  Finite Mathematics
- Select 1: 3 hrs
  - ANT 2000  General Anthropology or
  - PSY 2012  General Psychology or
  - SYG 2000  Introduction to Sociology
- Select 1: 3 hrs
  - AMH 2010  U.S. History: 1492-1877 or
  - EUH 2000  Western Civilization I or
  - HUM 2210  Humanistic Tradition I
- Freshman Year - Spring
  - CJS 1060C  Introduction to Computer Science
  - ENC 1102  Composition II
  - Select 1: 3 hrs
    - CHM 1020  Concepts in Chemistry or
    - PSC 1121  Concepts in Politics
  - Select 1: 3 hrs
    - MUL 2101  Enjoyment of Music or
    - PHI 2101  Introduction to Philosophy
  - Select 1: 3 hrs
    - ARH 2050  History of Western Art I or
    - LIT 2110  World Literature I or
    - PHI 2120  World Literature II or
    - REL 2300  World Religions or
    - THE 2000  Theatre Survey
- Sophomore Year - Fall
  - Free Elective
  - SPC 1608  Fundamentals of Oral Communication
  - Select 1: 3 hrs
    - AMH 2020  U.S. History: 1877-Present or
    - EUH 2001  Western Civilization II or
    - HUM 2230  Humanistic Tradition II
  - Select 1: 3 hrs
    - ANT 2511  The Human Species or
    - BSC 1005  Biological Principles or
    - GLY 1030  Geology and its Applications or
    - MCB 1310  Introduction to Biotechnology and Genetic Engineering or
    - PSC 1121  Concepts in Politics
  - Select 1: 3 hrs
    - ECO 2013  Principles of Macroeconomics or
    - POS 2041  American National Government
- Sophomore Year - Spring
  - Restricted Elective
  - Restricted Elective
  - Supporting Elective
  - CCJ 3014  Crime in America
  - CCJ 3024  Criminal Justice System
- Junior Year - Fall
  - Restricted Elective
  - Supporting Elective
  - CJ 3510  Corrections and Penology
  - CJL 3510  Prosecution and Adjudication
  - CJ Elective
- Junior Year - Spring
  - Restricted Elective
  - Restricted Elective
  - Supporting Elective
  - CCJ 4701  Research Methods in Criminal Justice
  - CJE 4014  Police and Society

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**Related Programs**

- Criminal Justice
- Public Administration
- Legal Studies
- Psychology
- Sociology
- Political Science

**Certificates**

- None

**Related Minors**

- Legal Studies
- Psychology
- Public Administration

**Advising Notes**

- None

**Transfer Notes**

- "D" (1.0) grades are not accepted.

**Acceptable Substitutes for Transfer Courses**

- None
UFC Degree Programs

Senior Year - Fall 15 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs

Senior Year - Spring 12 hrs
- 1 Free Elective 3 hrs
- Supporting Elective 3 hrs
- Restricted Elective or CCJ 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

Criminal Justice- A.S. to B.S. (B.S.M.S.)
NOTE: For detailed information, see description of this program in the Statewide Articulated AS to BS Programs section.

Digital Media (B.A.)
College of Arts and Humanities
School of Visual Arts and Design, 12461 Research Parkway, 500 OTC
http://www.svad.ucf.edu
E-mail: svad@mail.ucf.edu
Phone: 407-823-6100

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) for the minimum hardware and software specifications.

Admission Requirements
- None

Degree Requirements
- UCF 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, except DIG 2000 as noted.
- Residency requirement consists of at least 24 hours of regularly scheduled upper division course work taken in the School of Visual Arts and Design at UCF.
- Co-op or internship credits are not permitted in this major without prior, written permission.
- Students should see the School's advisor prior to selecting this major, and at least annually thereafter.

1. UCF General Education Program (GEP) (37 hrs)
   - A: Communication Foundations (9 hrs)
   - B: Cultural & Historical Foundations (9 hrs)
   - Take all of the following: 6 hrs
     - Required ARH 2050 History of Western Art I and 3 hrs
     - Required ARH 2051 History of Western Art II 3 hrs
   - Select one additional course from approved list 3 hrs

C: Mathematical Foundations (7 hrs)
- Required COP 2500C Concepts in Computer Science 4 hrs
- 1 Required MAC 1105 College Algebra 3 hrs
- (May substitute more advanced version)

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (9 hrs)
- ARH 2050 History of Western Art I GEP
- ARH 2051 History of Western Art II 3 hrs
- ART 2201C Design Fundamentals-Two Dimensional 3 hrs
- ART 2300C Drawing Fundamentals I 3 hrs
- COP 2500C Concepts in Computer Science GEP
- MAC 1105 College Algebra GEP

3. Core Requirements: Basic Level (12 hrs)
- Admission to all courses after DIG 2000 is dependent on the student's achieving at least a 'C' (3.0) in DIG 2000.

Digital Media Core: Basic
- DIG 2000 Introduction to Digital Media 3 hrs
- DIG 2030C Digital Video Fundamentals 3 hrs
- DIG 2109C Digital Imaging Fundamentals 3 hrs
- DIG 2500C Fundamentals of Interactive Design 3 hrs

4. Core Requirements: Advanced Level (12 hrs)

Digital Media Core: Advanced
- DIG 3024 Digital Cultures & Narrative 3 hrs
- DIG 3480C 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's achieving at least a "B" (3.0) in DIG 4713

Game Design: Basic Concentration 24 hrs
- COP 3223 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
- FIL 3720C Introduction to Animation and 3 hrs
- GRA 2151C Illustration 3 hrs

Game Design: Restricted Electives 18 hrs
- Complete 18 hours of credits from the following areas:
  - 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, 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
- 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 3803C 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, GRA, DIG or any 3000 or 4000 level digital media courses approved by the school. and
  - DIG 4104C Web Design Workshop 6 hrs

NOTE: For detailed information, see description of this program in the Statewide Articulated AS to BS Programs section.
## 5. Restricted Electives (0 hrs)
- 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, the CLAS and nine hours of Summer credit (if applicable)

## 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
- Computer Science
- English - Technical Communication
- Film - Cinema Studies
- Information Technology
- Music

### Advising Notes
- None

### Transfer Notes
- Grades less than 'C' (2.0) are not accepted.
- Courses taken at community colleges 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.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

## Digital Media - Visual Language Track (B.A.)

### College of Arts and Humanities

### School of Visual Arts and Design

[http://www.dm.ucf.edu](http://www.dm.ucf.edu)

Dr. Jose Maunze-Cuadra, 407-823-6100

The UCF School of Visual Art and Design 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. Note: Although the School maintains a computer lab for student use, Digital Media 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
- UCF 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, except DIG 2000 as noted.
- Residency requirement consists of at least 24 hours of regularly scheduled upper division course work taken in the School of Visual Arts and Design.
- Co-op or internship credits are not permitted in this major without prior, written permission.
- Students should see the School’s advisor prior to selecting this major, and at least annually thereafter.

#### 1. UCF General Education Program (GEP) (37 hrs)

**A: Communication Foundations** (9 hrs)

**B: Cultural & Historical Foundations** (9 hrs)

Take all of the following:
- Required ARH 2050 History of Western Art I and 3 hrs
- Required ARH 2051 History of Western Art II 3 hrs

Select one additional course from approved list 3 hrs

**C: Mathematical Foundations** (7 hrs)

- Required COP 2500C Concepts in Computer Science 4 hrs
- Required MAC 1105 College Algebra 3 hrs

1. (May substitute more advanced version)

**D: Social Foundations** (6 hrs)

**E: Science Foundations** (6 hrs)
UCF Degree Programs

2. Common Program Prerequisites (CPP) (9 hrs)
   - ARH 2050 History of Western Art I GEP
   - ARH 2051 History of Western Art II 3 hrs
   - ART 2201C Design Fundamentals-Two Dimensional 3 hrs
   - ART 2300C Drawing Fundamentals 3 hrs
   - COP 2500C Concepts in Computer Science GEP
   - MAC 1105 College Algebra GEP

3. Core Requirements: Basic Level (12 hrs)
   - Admission to all courses after DIG 2000 is dependent on the student’s achieving at least a ‘B’ (3.0) in DIG 2000.
   - DIG 2000 Introduction to Digital Media 3 hrs
   - DIG 2030C Digital Video Fundamentals 3 hrs
   - DIG 2109C Digital Imaging Fundamentals 3 hrs
   - DIG 2500C Fundamentals of Interactive Design 3 hrs

4. Core Requirements: Advanced Level (51 hrs)
   - DIG 3024 Digital Cultures & Narrative 3 hrs
   - DIG 3460C Computer as a Medium 3 hrs
   - DIG 3525 Digital Media Production I 3 hrs
   - DIG 4780C Modeling for Realtime Systems 3 hrs
   - Visual Language Core 15 hrs
     - ART 3643C Digital Effects & Compositing 3 hrs
     - DIG 3951 Visual Language Portfolio Review 0 hrs
     - DIG 4325C Look Modeling Workshop 3 hrs
     - DIG 4359C Artificial Environments and Effects Workshop 3 hrs
     - FIL 3734C Intermediate Animation 3 hrs
   - Visual Language - Basic Concentration 24 hrs
     - DIG 3355C Artificial Environments and Effects 3 hrs
     - DIG 3433C Visual Storytelling and Visual Development 3 hrs
     - DIG 4206C New Imagery in Motion Workshop 3 hrs
     - DIG 4394C Motion Graphics: Advanced Compositing 3 hrs
     - DIG 4434C Narrative Techniques in the Moving Image Workshop 3 hrs
   - Character Animation - Restricted Electives (7 hrs)
     - Complete 7 hours from the following areas:
       - ART, ARH, GRA, DIG or any 3000 or 4000 level courses approved by Digital Media and Applied Arts

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   - 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 Digital Media.

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, the CLAS and nine hours of Summer credit (if applicable)

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
   - Computer Science
   - English - Technical Communication
   - Film - Cinema Studies
   - Information Technology
   - Music

Advising Notes
   - None

Transfer Notes
   - Grades less than “C” (2.0) are not accepted.
   - Courses taken at community colleges 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.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
   - Part-Time Student: $45 per term
   - Full-Time Student: $90 per term

Early Childhood Development and Education Track
1: Education: Pre-Kindergarten - Primary (PK-3) (B.S.)

College of Education
Department of Child, Family and Community Sciences, Education Building, Room: 209
http://education.ucf.edu/ece/
E-mail: ece@mail.ucf.edu
Dr. Judy Levin, ED 122L, jlevin@mail.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 community college or state university.
- 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).
- Pass all four parts of the General Knowledge Test and CLAS requirement (no alternatives or waivers are accepted).
- 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@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 score on ALL three sections of the Florida Teacher Certification Examination (FTCE). See http://www.fldoe.org for available test dates and test sites. FTCE General Knowledge Test (GKT) (if CLAS was used for admission) passing scores on the GKT is strongly recommended during semester 1 of the junior year and required at the time of application to EEC 4235C Seminar Course. FTCE Professional Education Test (PEd) and Subject Area Examination (SAE-Prekindergarten/Primary PK-3) - passing scores strongly recommended prior to application for Internship.
- FTCE General Knowledge Test (GKT) - (if CLAS was used for admission) passing scores on the GKT is 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) - passing scores strongly recommended prior to application for Internship.
- 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.

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 B2: 3 hrs
  - Prefer LIT 2110 World Literature I or 3 hrs
  - Prefer LIT 2120 World Literature II or 3 hrs
  - Prefer PHI 2010 Introduction to Philosophy or 3 hrs
  - Prefer REL 2300 World Religions 3 hrs

C: Mathematical Foundations (6 hrs)
- Select 1: 3 hrs
  - Prefer STA 1060C 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)
- Prefer POS 2041 American National Government 3 hrs
- Select 1: 3 hrs
  - Prefer PSY 2012 General Psychology 3 hrs
- Prefer ANT 2511 The Human Species or 3 hrs
- Select 1: 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 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

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.

3. Core Requirements: Basic Level (15 hrs)

Other Program Prerequisites
- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- EDF 2720 Child in Schools: Legal, Ethical and Safety Concerns 3 hrs
- EEC 4731 Health, Safety, and Nutrition for Young Children 3 hrs

Select 1: 3 hrs
- Prefer MAC 1105 College Algebra or 3 hrs
- MAE 2801 Elementary School Mathematics 4 hrs

Select 1: 3 hrs
- Prefer ARE 2000 Early Childhood Art and Creativity or 3 hrs
- MUE 2211 Early Childhood Music and Movement 3 hrs

1 Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

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 Internship. However, a minimum GPA of 2.75 is required in the professional, specialization and overall for admission to Internship.
## UCF Degree Programs

### 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 2.75 GPA in all courses within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- 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 test sites.

### 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, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required

- 120

### 5. Restricted Electives

- None

### 6. Capstone Requirements

- None

### 7. Foreign Language Requirements

#### Admissions

- Required two units of foreign language in high school.

### Graduation

- None

### 8. Electives

- None

---

### Semester I

<table>
<thead>
<tr>
<th>15 hrs</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>EEC 3700</strong></td>
<td>Social and Emotional Development of Young Children 3 hrs</td>
</tr>
<tr>
<td><strong>EEC 4661</strong></td>
<td>Early Childhood Education Theory and Practice 3 hrs</td>
</tr>
<tr>
<td><strong>EXE 4751</strong></td>
<td>Parent Involvement in Education 3 hrs</td>
</tr>
<tr>
<td><strong>RED 3310</strong></td>
<td>Early Reading, Writing and Language Arts 3 hrs</td>
</tr>
<tr>
<td><strong>TSL 4080</strong></td>
<td>Theory and Practice of Teaching ESOL Students in Schools 3 hrs</td>
</tr>
</tbody>
</table>

### Semester II

<table>
<thead>
<tr>
<th>15 hrs</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>EEC 4207</strong></td>
<td>Assessment and Evaluation of Young Children 3 hrs</td>
</tr>
<tr>
<td><strong>EEC 4268</strong></td>
<td>Curriculum Activities in Early Childhood 3 hrs</td>
</tr>
<tr>
<td><strong>EEC 4604</strong></td>
<td>Classroom Management and Guidance of Young Children 3 hrs</td>
</tr>
<tr>
<td><strong>EEX 3450</strong></td>
<td>Young Children With Special Needs 3 hrs</td>
</tr>
<tr>
<td><strong>TSL 4240</strong></td>
<td>Issues in Second Language Acquisition 3 hrs</td>
</tr>
</tbody>
</table>

### Summer

<table>
<thead>
<tr>
<th>6 hrs</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>EEC 4303</strong></td>
<td>Planning Creative Activities in Early Childhood Education 3 hrs</td>
</tr>
<tr>
<td><strong>RED 3012</strong></td>
<td>Basic Foundations of Reading 3 hrs</td>
</tr>
</tbody>
</table>

### Semester III

<table>
<thead>
<tr>
<th>12 hrs</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Based on recommendations below, the student should achieve a passing score on all applicable sections of the Florida Teacher Certification Examination prior to entry into Internship (EEC 4943 Internship).</td>
<td></td>
</tr>
<tr>
<td><strong>EEC 4235C</strong></td>
<td>Early Childhood Education Seminar: Bridging Theory to Practice 3 hrs</td>
</tr>
<tr>
<td><strong>MAE 4300</strong></td>
<td>Math Curriculum and Assessment in Early Childhood 3 hrs</td>
</tr>
<tr>
<td><strong>RED 4311</strong></td>
<td>Primary Reading, Writing, and Language Arts Curriculum and Assessment 3 hrs</td>
</tr>
<tr>
<td><strong>SCE 4304</strong></td>
<td>Teaching Science and Technology to Young Children 3 hrs</td>
</tr>
</tbody>
</table>

### Semester IV

<table>
<thead>
<tr>
<th>12 hrs</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Satisfactory completion of Internship 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.</td>
<td></td>
</tr>
<tr>
<td><strong>EEC 4943</strong></td>
<td>Student Teaching 12 hrs</td>
</tr>
</tbody>
</table>

### 5. Restricted Electives

<table>
<thead>
<tr>
<th>0 hrs</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>

### 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
Freshman Year - Summer

POS 2041 American National Government 3 hrs

Select 1:

ARE 2000 Early Childhood Art and Creativity or 3 hrs
MUE 2211 Early Childhood Music and Movement 3 hrs

Sophomore Year - Fall

EME 2040 Introduction to Technology for Educators 3 hrs
SPC 1008 Fundamentals of Oral Communication 3 hrs

Select 1:

ANT 2511 The Human Species or 3 hrs
BSC 1005 Biological Principles 3 hrs

Select 1:

STA 1060C Basic Statistics Using Microsoft Excel or 3 hrs
STA 2014C Principles of Statistics 3 hrs

GEP B1 Elective (Prefer AMH 2010) 3 hrs

Sophomore Year - Spring

1 EDF 2130 Child and Adolescent Development for Educators 3 hrs
1 EDF 2720 Children in Schools: Legal, Ethical and Safety Concerns 3 hrs
EEC 4731 Health, Safety, and Nutrition for Young Children 3 hrs
GEP B3 Elective (Prefer AMH 2020) 3 hrs

1 Courses taken at community colleges may substitute for select courses with the permission of the department.

Sophomore Year - Summer

■ SATisfaction of the CLASP requirement and/or GKT is required for admission to the program and must thus be completed prior to the Junior Year. Refer to http://www.fldoe.org for test dates and sites.

Junior Year - Fall 15 hrs

■ Highly recommend to take and pass PEd Test and PK-3 subject area exam of the FTCE - Refer to http://www.fldoe.org for test dates and sites.
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
RED 3310 Early Reading, Writing and Language Arts 3 hrs
TSL 4080 Theory and Practice of Teaching ESOL 3 hrs

Junior Year - Spring 15 hrs

EEC 4207 Assessment and Evaluation of Young Children 3 hrs
EEC 4288 Curriculum Activities in Early Childhood 3 hrs
EEC 4604 Classroom Management and Guidance of Young Children 3 hrs
EEX 3450 Young Children With Special Needs 3 hrs
TSL 4240 Issues in Second Language Acquisition 3 hrs

Junior Year - Summer 6 hrs

■ Please note: It is strongly recommended to take the Professional Education Test (PEd) portion of the FTCE prior to entering the Senior year, and the Pre-Kindergarten/Primary PK-3 Subject Area Examination portion of the FTCE prior to entry into student teaching (EEC 4943 Internship).
EEC 4303 Planning Creative Activities in Early Childhood Education 3 hrs
RED 3012 Basic Foundations of Reading 3 hrs

Senior Year - Fall 12 hrs

EEC 4235C Early Childhood Education Seminar: Bridging Theory to Practice 3 hrs
MAE 4300 Math Curriculum and Assessment in Early Childhood 3 hrs
RED 4311 Primary Reading, Writing, and Language Arts Curriculum and Assessment 3 hrs
SCE 4304 Teaching Science and Technology to Young Children 3 hrs

Senior Year - Spring 12 hrs

EEC 4943 Student Teaching 12 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

Early Childhood Development and Education Track

2: Early Childhood Development (B.S.)

College of Education

Department of Child, Family and Community Sciences, Education Complex, Room: 209

http://education.ucf.edu/ece/

E-mail: ece@mail.ucf.edu

Dr. Judy Levin, 122L, jlevin@mail.ucf.edu

Phone: 407-823-4615

EARY 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. Students in this program will be trained in first aid and CPR and earn a CPR certification. 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 community college or state university.
■ Meet the CLAS requirement.
■ 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 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@mail.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
Prefer SPC 1008 Fundamentals of Oral Communication 3 hrs
B: Cultural & Historical Foundations (9 hrs)

General Education Program elective from section B2:

- Prefer LIT 2110 World Literature I or LIT 2120 World Literature II or PHI 2101 Introduction to Philosophy or REL 2000 World Religions

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 MGF 1107 Explorations in Mathematics

Select 1:
- STA 1060C Basic Statistics Using Microsoft Excel or STA 2046C Principles of Statistics

D: Social Foundations (6 hrs)

Select 1:
- Prefer POS 2041 American National Government or PSY 2010 General Psychology

E: Science Foundations (6 hrs)

Select 1:
- Prefer PSC 1121 Physical Science or PSC 2121 Biological Principles

2. Common Program Prerequisites (CPP) (6 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- DEP 2004 Developmental Psychology
- EDF 2085 Introduction to Diversity for Educators

3. Core Requirements: Basic Level (18 hrs)

Select 1:
- EDF 1210 Child and Adolescent Development for Educators or SOW 3104 Assessing I: Human Development

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
- EEC 3700 Social and Emotional Development of Young Children
- EEC 4661 Early Childhood Education Theory and Practice
- EXB 4751 Parent Involvement in Education
- LIN 376 Language Development
- RED 3310 Early Reading, Writing and Language Arts

Semester II
- EEC 4207 Assessment and Evaluation of Young Children
- EEC 4604 Classroom Management and Guidance of Young Children
- EEC 3450 Young Children With Special Needs
- LAE 3414 Literature for Children
- PET 4050C Motor Development and Learning

Summer
- EEC 4303 Planning Creative Activities in Early Childhood Education
- EEC 4731 Health, Safety, and Nutrition for Young Children

Semester III
- EEC 4402 Cultural and Family Systems
- EEC 4414 Parent-Child Relations
- EEC 4528 Infant/Toddler Care and Education

Select one Early Childhood Development Track 3 hrs

Note: Students must consult with their advisor regarding approval for other elective options.

Semester IV
- EEC 4940 Practicum: Early Childhood Development

5. Restricted Electives (0 hrs)
- 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 2.75 GPA in all courses within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency.

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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120
Honors In Major
- None

Related Programs
- None

Certificates
- None

Related 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.

Transfer Notes
- Courses taken at community colleges may substitute for select courses in prerequisites with the permission of the department.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- Note: 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 2085 Introduction to Diversity for Educators 3 hrs
- ENC 1101 Composition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- Select Elective if needed 3 hrs

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- PSC 1121 Physical Science 3 hrs
- PSY 2012 General Psychology 3 hrs
- SYG 2010 Social Problems 3 hrs

Select 1: 3 hrs
- LIT 2110 World Literature I or
- LIT 2120 World Literature II or
- PHI 2010 Introduction to Philosophy or
- REL 2300 World Religions 3 hrs

Freshman Year - Summer
- ARE 2000 Early Childhood Art and Creativity 3 hrs
- MUE 2211 Early Childhood Music and Movement 3 hrs

Sophomore Year - Fall
- Transfer Note: Courses taken at community colleges may substitute for select courses with the permission of the department.
- MGF 1106 3 hrs
- Select 1: 3 hrs
- ANT 2511 The Human Species or
- BSC 1005 Biological Principles 3 hrs

Select 1: 3 hrs
- STA 1060C Basic Statistics Using Microsoft Excel or 3 hrs
- STA 2014C Principles of Statistics 3 hrs
- GEP B1 elective ( Prefer AMH 2010) 3 hrs
- Select Elective if needed 3 hrs

Sophomore Year - Spring
- DEP 2004 Developmental Psychology 3 hrs
- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- POS 2041 American Government 3 hrs
- GEP B3 elective 3 hrs

Sophomore Year - Summer
- Note: Student must meet CLAS requirement for admission to the program and thus must be completed prior to the Junior Year. Refer to http://www.fldoe.org for test dates and sites.

Junior 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
- LIN 3716 Language Development 3 hrs
- RED 3310 Early Reading, Writing and Language Arts 3 hrs

Junior Year - Spring
- EEC 4207 Assessment and Evaluation of Young Children 3 hrs
- EEC 4604 Classroom Management and Guidance of Young Children 3 hrs
- EEX 3450 Young Children With Special Needs 3 hrs
- LAE 3414 Literature for Children 3 hrs
- PET 4050C Motor Development and Learning 3 hrs

Junior Year - Summer
- EEC 4303 Planning Creative Activities in Early Childhood Education 3 hrs
- EEC 4731 Health, Safety, and Nutrition for Young Children 3 hrs

Senior Year - Fall
- EEC 4402 Cultural and Family Systems 3 hrs
- EEC 4414 Parent-Child Relations 3 hrs
- EEC 4528 Infant/Toddler Care and Education 3 hrs
- Select Elective 3 hrs

Senior Year - Spring
- EEC 4940 Practicum: Early Childhood Development 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

Economics (B.A.)

College of Business Administration

Department of Economics,

Business Administration II, Room: 305

http://www.bus.ucf.edu/economics

Michael Caputo, BA 302Q, mcaputo@bus.ucf.edu, 407-823-1405
Nora Underwood, BA 302N, 407-823-1403
David Scroggin, BA 302U, 407-823-4129
Phone: 407-823-3266

The Bachelor of Arts in Economics is designed for students who wish to receive specialized training in Economics within a broad liberal arts education.

Several flexible tracks allow students to customize their education to their personal interests and career goals. These tracks can be coupled with a minor from many different Colleges to create a unique program for each student. 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 Arts 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

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)
1 Required: MAC 1140 Pre-Calculus Algebra
3 hrs
Required: STA 2023 Statistical Methods I
3 hrs

1 or Calculus

D: Social Foundations (6 hrs)
Select 1:
Suggested: ECO 2013 Principles of Macroeconomics or 3 hrs
Suggested: ECO 2023 Principles of Microeconomics 3 hrs

Select 1:
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) (3 hrs)
See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

ECO 2013 Principles of Macroeconomics GEP
ECO 2023 Principles of Microeconomics 3 hrs

3. Core Requirements: Basic Level (0 hrs)

None

4. Core Requirements: Advanced Level (16 hrs)
ECO 3101 Intermediate Microeconomics 3 hrs
ECO 3203 Intermediate Macroeconomics 3 hrs
ECO 4451 Research Methods in Economics 3 hrs

Select one of the following sequences of courses:
Students must receive a “C” (2.0) or better in MAC 2233 and STA 2023 to be waived from ECO 3401.

MAC 2233 Concepts of Calculus and 3 hrs
STA 2023 Statistical Methods I 3 hrs

or
ECO 3401 Quantitative Business Tools I 3 hrs

Select one of the following sequences of courses:
STA 4163 Statistical Methods II 3 hrs

or
STA 4321 Statistical Theory I 3 hrs

or
ECO 3411 Quantitative Business Tools II 4 hrs

5. Restricted Electives (18 hrs)

All B.A. Economics majors will be required to take six (6) electives by choosing one of the following tracks:

Pre-Law Track (18 hrs)
ECO 4933 History of Economic Thought and 3 hrs
ECO 4751 Law and Economics and 3 hrs
ECP 4403 Industrial Organization and Game Theory and 3 hrs
Select any other three 3000 - 4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major and this track’s restricted elective courses.

Political Economy Track (18 hrs)
ECO 4303 History of Economic Thought and 3 hrs
ECO 4504 Public Economics and 3 hrs
ECS 4013 Development Economics and 3 hrs
Select any other three 3000 - 4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major and this track’s restricted elective courses. For double majors in Political Science, two of these electives can be selected from Political Science with advisor’s approval.

Private Enterprise Track (18 hrs)
ECO 3223 Money and Banking and 3 hrs
ECO 3203 Labor Economics and 3 hrs
ECP 4403 Industrial Organization and Game Theory and 9 hrs
Select any other three 3000 - 4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major and this track’s restricted elective courses.

International Track (18 hrs)
ECO 3703 International Microeconomics and 3 hrs
ECO 4713 International Macroeconomics and 3 hrs
ECS 4013 Development Economics and 3 hrs
Select any other three 3000 - 4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major and this track’s restricted elective courses.

Economics of Governmental Regulation (18 hrs)
ECO 4504 Public Economics and 3 hrs
ECP 3203 Labor Economics and 3 hrs
ECP 4303 Environmental and Natural Resource Economics and 3 hrs
Select any other three 3000 - 4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major and this track’s restricted elective courses.

General Track (18 hrs)
It is possible to have a double track; however, only the first designated track will show on the transcript.
Select any six 3000 - 4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major courses. Two of these electives can be selected from a related discipline with advisor’s approval.

For those students interested in preparing for graduate school in Economics and other graduate studies, the following courses are strongly recommended

ECO 3410 Mathematical Economics 3 hrs
ECO 3703 International Microeconomics 3 hrs
ECO 4412 Econometrics 3 hrs
ECO 4504 Public Economics 3 hrs
ECP 4403 Industrial Organization and Game Theory 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

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

Students may select a minor from any of the authorized minors listed in the UCF Undergraduate Catalog. Students are strongly encouraged to consult with an advisor about the choice of a minor that is compatible with their career interests.
Economics, Business (B.S.B.A.)

College of Business Administration
Department of Economics, Business Administration II, Room: 305

http://www.bus.ucf.edu/economics

Michael Caputo, BAZ 302Q, mcaputo@bus.ucf.edu, 407-823-1405
David Scrogin, BAZ 302U, 407-823-4129
Nora Underwood, BAZ 302N, 407-823-1403
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. Several flexible tracks allow students to customize their education 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. Successful completion of this program leads to the Bachelor of Science in Business Administration degree with a major in Economics.
## UCF Degree Programs

### Admission Requirements
- See Common Program Prerequisites
- Completion of the UCF General Education program, Gordon Rule, and CLAS or an AA degree from a Florida Public Community College

### Degree Requirements
- Not eligible for a double degree with another College of Business Administration major or a BA in Economics

#### 1. UCF General Education Program (GEP) (36 hrs)

<table>
<thead>
<tr>
<th>A: Communication Foundations (9 hrs)</th>
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<tr>
<td>Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>B: Cultural &amp; Historical Foundations (9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required CGS 2100C Computer Fundamentals for Business 3 hrs</td>
</tr>
<tr>
<td>Required MAC 1140 Pre-Calculus Algebra 3 hrs</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>D: Social Foundations (6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select 1: 3 hrs</td>
</tr>
<tr>
<td>Suggested ECO 2013 Principles of Macroeconomics or 3 hrs</td>
</tr>
<tr>
<td>Suggested ECO 2023 Principles of Microeconomics 3 hrs</td>
</tr>
</tbody>
</table>

| 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 |

<table>
<thead>
<tr>
<th>E: Science Foundations (6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select one of the following sequences of courses:</td>
</tr>
<tr>
<td>Students must receive a “C” (2.0) or better.</td>
</tr>
<tr>
<td>See “Common Prerequisites” in the Transfer and Transitions Services section for more information.</td>
</tr>
<tr>
<td>ACG 2021 Principles of Financial Accounting 3 hrs</td>
</tr>
<tr>
<td>ACG 201 Principles of Managerial Accounting 3 hrs</td>
</tr>
<tr>
<td>CGS 2100C Computer Fundamentals for Business 3 hrs</td>
</tr>
<tr>
<td>ECO 2013 Principles of Macroeconomics 3 hrs</td>
</tr>
<tr>
<td>ECO 2023 Principles of Microeconomics 3 hrs</td>
</tr>
<tr>
<td>or 1 MAC 2233 Concepts of Calculus and 3 hrs</td>
</tr>
<tr>
<td>or 1 STA 2023 Statistical Methods I 3 hrs</td>
</tr>
</tbody>
</table>

1. or any Calculus 1 & 2 sequence

<table>
<thead>
<tr>
<th>3. Core Requirements: Basic Level (0 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>4. Core Requirements: Advanced Level (32 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUL 3130 Legal and Ethical Environment of Business 4 hrs</td>
</tr>
<tr>
<td>ECO 3411 Quantitative Business Tools II 4 hrs</td>
</tr>
<tr>
<td>FIN 3403C Business Finance 4 hrs</td>
</tr>
<tr>
<td>1 GEB 3031 Cornerstone: Professional Skills for Business 3 hrs</td>
</tr>
<tr>
<td>GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr</td>
</tr>
<tr>
<td>GEB 343C Introduction to International Business 4 hrs</td>
</tr>
<tr>
<td>ISM 3011C Essentials of Management Information Systems 4 hrs</td>
</tr>
<tr>
<td>MAN 3025 Management of Organizations 4 hrs</td>
</tr>
<tr>
<td>MAR 3023 Marketing 4 hrs</td>
</tr>
</tbody>
</table>

1. Must be taken in 1st or 2nd semester.

<table>
<thead>
<tr>
<th>Required Major Courses 9 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 3101 Intermediate Microeconomics 3 hrs</td>
</tr>
<tr>
<td>ECO 3203 Intermediate Macroeconomics 3 hrs</td>
</tr>
<tr>
<td>ECO 4451 Research Methods in Economics 3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>5. Restricted Electives (15 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>All B.S.B.A. economics majors will be required to take five (5) electives by choosing one of the following tracks:</td>
</tr>
</tbody>
</table>

### BUSINESS ECONOMICS TRACK 15 hrs
- ECO 3223 Money and Banking 3 hrs
- ECO 3203 Labor Economics 3 hrs
- ECP 4403 Industrial Organization and Game Theory 3 hrs
- Select any other two 3000 - 4000 level ECO, ECS, or ECP courses (including ECO 4941) other than the required major and this track's restricted elective courses

### INTERNATIONAL TRACK 15 hrs
- ECO 3703 International Microeconomics 3 hrs
- ECO 4713 International Macroeconomics 3 hrs
- ECS 4013 Development Economics 3 hrs
- Select any other two 3000 - 4000 level ECO, ECS, or ECP courses (including ECO 4941) other than the required major and this track's restricted elective courses

### PRE-LAW TRACK 15 hrs
- ECO 4751 Law and Economics 3 hrs
- ECP 3203 Labor Economics 3 hrs
- ECP 4403 Industrial Organization and Game Theory 3 hrs
- Select any other two 3000 - 4000 level ECO, ECS, or ECP courses (including ECO 4941) other than the required major and this track's restricted elective courses

### FINANCIAL ECONOMICS TRACK 15 hrs
- For double majors in Finance, two of these electives can be selected from Finance with advisor’s approval.
- ECO 3203 Intermediate Macroeconomics 3 hrs
- ECO 4412 Econometrics 3 hrs
- ECO 4713 International Macroeconomics 3 hrs
- Select any other two 3000 - 4000 level ECO, ECS, or ECP courses (including ECO 4941) other than the required major and this track's restricted elective courses

### ECONOMICS OF GOVERNMENTAL REGULATION 15 hrs
- ECO 4504 Public Economics 3 hrs
- ECP 3203 Labor Economics 3 hrs
- ECP 4303 Environmental and Natural Resource Economics 3 hrs
- Select any other two 3000 - 4000 level ECO, ECS, or ECP courses (including ECO 4941) other than the required major and this track's restricted elective courses

### GENERAL TRACK
- Select any five 3000 - 4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major courses.

### ECONOMICS OF GOVERNMENTAL REGULATION
- ECO 3410 Quantitative Business Tools I 3 hrs
- ECO 3703 International Microeconomics 3 hrs
- ECO 4412 Econometrics 3 hrs
- ECO 4504 Public Economics 3 hrs
- ECP 4403 Industrial Organization and Game Theory 3 hrs

The following courses are strongly recommended:
- ECO 3410 Quantitative Business Tools I 3 hrs
- ECO 3703 International Microeconomics 3 hrs
- ECO 4412 Econometrics 3 hrs
- ECO 4504 Public Economics 3 hrs
- ECP 4403 Industrial Organization and Game Theory 3 hrs

### For students interested in preparing for graduate school in Economics and other graduate studies, the following courses are strongly recommended:
- ECO 3410 Mathematical Economics 3 hrs
- ECO 3703 International Microeconomics 3 hrs
- ECO 4412 Econometrics 3 hrs
- ECO 4504 Public Economics 3 hrs
- ECP 4403 Industrial Organization and Game Theory 3 hrs

### For students interested in preparing for graduate school in Economics and other graduate studies, the following courses are strongly recommended:
- ECO 3410 Mathematical Economics 3 hrs
- ECO 3703 International Microeconomics 3 hrs
- ECO 4412 Econometrics 3 hrs
- ECO 4504 Public Economics 3 hrs
- ECP 4403 Industrial Organization and Game Theory 3 hrs

### Capstone Requirements
- MAN 4720 Strategic Management 4 hrs
- This course should be taken in the graduating term and requires the following prerequisites:
- FIN 3403C Business Finance 4 hrs
- GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
- MAN 3025 Management of Organizations 4 hrs
- MAR 3023 Marketing 4 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
■ Special College and/or Departmental Requirements
■ Must complete all Gordon Rule and CLAS requirements, prior to admission to this degree.
■ 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.
■ Final exams will be given during Exam Week.
■ Students must have at least a 2.0 GPA in the COB and major.
■ Any student receiving a business degree must complete one half (30) of the 60 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.
■ Students majoring in Business Economics must earn a grade of “C” (2.0) or better in each ECO, ECP, ECS course and in each course applied towards the major as well as a 2.0 overall average in the major.

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 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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
■ 120

Honors In Major
■ None

Related Programs
■ Economics
■ Economics - Accelerated Undergraduate-Graduate Program

Certificates
■ None

Related Minors
■ None

Advising Notes
■ Florida Public Community College 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.
■ Any student receiving a business degree must complete one half (30) of the 60 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.
■ 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
■ Courses taken at community colleges 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.

Acceptable Substitutes for Transfer Courses
■ ACG 2021- Principles of Financial Accounting may be substituted with ACG X001 and ACG X011.

Plan of Study
■ Business Economics

Freshman Year - Fall
1 ENC 1101 Composition I 3 hrs
2 MAC 1140 Pre-Calculus Algebra 3 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs
1 “C” (2.0) or better grade required in each class
2 (or Calculus). “C” (2.0) or better grade required in each class

Freshman Year - Spring
1 CJS 2100C Computer Fundamentals for Business 3 hrs
1 ECO 2023 Principles of Microeconomics 3 hrs
1 ENC 1102 Composition II 3 hrs
1 “C” (2.0) or better grade required in each class

Sophomore Year - Fall
1 ECO 2013 Principles of Macroeconomics 3 hrs
1 ECO 3401 Quantitative Business Tools I 3 hrs
1 “C” (2.0) or better grade required in each class
2 (if no Calculus & Statistics) “C”(2.0) or better grade required in each class

Sophomore Year - Spring
1 ACG 2071 Principles of Managerial Accounting 3 hrs
1 ECO 3101 Intermediate Microeconomics 3 hrs
1 “C” (2.0) or better grade required in each class

Junior Year - Fall
1 ECO 3203 Intermediate Macroeconomics 3 hrs
1 ECO 3411 Quantitative Business Tools II 4 hrs
1 GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
1 MAR 3023 Marketing 4 hrs
1 “C” (2.0) or better grade required in each class

Junior Year - Spring
1 GEB 3375 Introduction to International Business 4 hrs
1 MAN 3025 Management of Organizations 4 hrs

Senior Year - Spring
1 BUL 3130 Legal and Ethical Environment of Business 4 hrs
1 ECO 4451 Research Methods in Economics 3 hrs
1 MAN 4720 Strategic Management 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

UCF Degree Programs
Economics - Accelerated Undergraduate-Graduate Program (B.A. / M.S.)

NOTE: For detailed information, see description of this program in the Statewide Articulated AS to BS Programs section.

Economics
See also Mathematics - Mathematical Economics Track

Electrical Engineering (B.S.E.E.)

College of Engineering and Computer Science

School of Electrical Engineering and Computer Science,
Harris Corp. Engineering Center, Room: 246

http://www.eecs.ucf.edu

E-mail: undergraduate@eecs.ucf.edu
Dr. Samuel Richie
Ms. Charlese Hilton-Brown
Phone: 407-823-3327

Admission Requirements

None

Degree Requirements

None

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 State University/Community College Systems 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:

Suggested SPC 1603 Fundamentals of Technical Presentations or 3 hrs
Suggested SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)

Select two courses from Cultural Foundations 3 hrs
Select one class from Cultural Foundations 3 hrs

C: Mathematical Foundations (7 hrs)

Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
Required STA 3032 Probability and Statistics for Engineers 3 hrs

D: Social Foundations (6 hrs)

Select 1:

Prefer ECO 2013 Principles of Macroeconomics 3 hrs
Prefer ECO 2023 Principles of Microeconomics 3 hrs

Select one class from Social Foundations 3 hrs

E: Science Foundations (7 hrs)

Required PHY 2048C Physics for Engineers & Scientists 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 EE major courses, a 2.0 (C or better) in each course is required for those courses indicated.

ENC 1101 Composition I GEP
ENC 1102 Composition II GEP
1 MAC 2311 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 Differential Equations 3 hrs
1 PHY 2048C Physics for Engineers & Scientists I GEP
1 PHY 2049C Physics for Engineers and Scientists II 4 hrs

Select 1:

CHM 2045C Chemistry Fundamentals I or 4 hrs
1 CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs

Humanities Courses

Social Science Courses

Humanities or Social Science

1 A "C" (2.0) or better is required in this course.
2 Preferred

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, technical elective courses, and with the senior design courses. Independent study courses generally do not satisfy major requirements.

EGN 1006C Introduction to the Engineering Profession 1 hr
EGN 1007C Engineering Concepts and Methods 1 hr

4. Core Requirements: Advanced Level (53 hrs)

Courses Required for the Engineering Core 12 hrs

EGN 3310 Engineering Analysis-Statics 3 hrs
EGN 3420 Engineering Analysis 3 hrs
PHY 3101 Physics for Engineers and Scientists 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

Courses Required for the Major 41 hrs

EEE 3307C Electronics I 4 hrs
EEE 3342C Digital Systems 3 hrs
EEE 3350 Semiconductor Devices I 3 hrs
EEE 4309C Electronics II 4 hrs
EEL 3004 Electrical Networks 3 hrs
EEL 3123C Networks and Systems 4 hrs
EEL 3470 Electromagnetic Fields 3 hrs
EEL 3552C Analog and Digital Communication Fundamentals 4 hrs
EEL 3657 Linear Control Systems 3 hrs
EEL 3801C Computer Organization 3 hrs
EEL 4742C Embedded Systems 4 hrs
EEL 4750 Digital Signal Processing Fundamentals 3 hrs

5. Restricted Electives (10 hrs)

Technical electives are available in the BSEE program to address specific student interests in a variety of technical areas such as microelectronics, wireless communications, 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.

Technical Electives 10 hrs

Technical elective courses are to be selected by the student from department approved courses.

6. Capstone Requirements (6 hrs)

EEL 4914 and EEL 4915L
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 profiency exam) prior to graduation.

Graduation
- None

8. Electives
- None

9. Additional Requirements
- Electrical engineering students must earn at least 32 hours in residence at UCF.

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 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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 128

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
- 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.
- Students are assumed knowledge of a higher level programming language (C preferred).

Transfer Notes
- Courses taken from Community Colleges 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.
- 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 the Restricted Elective area.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study

Freshman Year - Fall
- EGN 1006C  Introduction to the Engineering Profession  1 hr
- MAC 2311C Calculus with Analytic Geometry I  4 hrs
- SPC 1603  Fundamentals of Technical Presentations  3 hrs
- GEP- Historical Foundation  3 hrs
- GEP- Science Foundation  3 hrs

Freshman Year - Spring
- COP 3223  Introduction to Programming with C  3 hrs
- EGN 1007C Engineering Concepts and Methods  1 hr
- ENC 1101 Composition I  3 hrs
- MAC 2312C Calculus with Analytic Geometry II  4 hrs
- PHY 2048C Physics for Engineers & Scientists I  4 hrs

Sophomore Year - Fall
- EGN 3310  Engineering Analysis-Statics  3 hrs
- ENC 1102 Composition II  3 hrs
- MAC 2313C Calculus with Analytic Geometry III  4 hrs
- PHY 2049C Physics for Engineers and Scientists II  4 hrs

Select 1:
- ECO 2013 Principles of Macroeconomics  or  3 hrs
- ECO 2023 Principles of Microeconomics  3 hrs

Sophomore Year - Spring
- EEL 3004  Electrical Networks  3 hrs
- EEL 3801C Computer Organization  3 hrs
- MAP 2302  Differential Equations  3 hrs
- PHY 3101  Physics for Engineers and Scientists III  3 hrs
- GEP- Cultural Foundation  3 hrs

Sophomore Year - Summer
- EEE 3342C  Digital Systems  3 hrs
- EEL 3123C Networks and Systems  4 hrs
- GEP- Social Foundation  3 hrs

Junior Year - Fall
- EEE 3350  Semiconductor Devices I  3 hrs
- EEL 3552C Analog and Digital Communication  4 hrs
- EEL 4742C Embedded Systems  4 hrs

Select 1:
- EGN 3321  Engineering Analysis-Dynamics or  3 hrs
- EGN 3389  Thermo-Fluids Heat Transfer  3 hrs

Junior Year - Spring
- CHS 1440  Fundamentals of Chemistry for Engineers  4 hrs
- EEE 3307C  Electronics I  4 hrs
- EEL 3657  Linear Control Systems  3 hrs
- EGN 3420  Engineering Analysis  3 hrs
- STA 3032  Probability and Statistics for Engineers  3 hrs

Senior Year - Fall
- EEL 3470  Electromagnetic Fields  3 hrs
- EEL 4750  Digital Signal Processing Fundamentals  3 hrs
- EEL 4914  Digital Signal Processing Fundamentals  3 hrs
- EEL 4916  Senior Design I  3 hrs
- Approved Technical Elective  4 hrs
- GEP-Historical Foundation  3 hrs

Senior Year - Spring
- EEE 4390C  Electronics II  4 hrs
- EEL 4915L  Senior Design II  3 hrs
- Approved Technical Elective  3 hrs
- Approved Technical Elective  3 hrs

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: $45 per term
- Full-Time Student: $90 per term

UNIVERSITY OF CENTRAL FLORIDA

UCF Degree Programs
Elementary Education (B.S.)
Department of Teaching and Learning Principles,
ED, Room: 209
http://education.ucf.edu/elemed/
Dr. Karri Williams, kjiwilliams@mail.ucf.edu
Dr. Robert Everett, ED 122M, everett@mail.ucf.edu, 407-823-5788

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e., an AA degree from an approved Florida community college or state university.
- Have a minimum 2.5 overall GPA.
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).
- 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.

Degree Requirements
- Students should see an advisor prior to registering for 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.
- This is a state-approved, initial teacher preparation program (ED 122M, everett@mail.ucf.edu, 407-823-5788)
- Students are advised to take the preferred courses.
- The following recommended sequence of required upper division courses may vary at regional campus locations.

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)
- Prefer ARH 2010 U.S. History: 1492-1877 3 hrs
- Prefer AMH 2020 U.S. History: 1877-Present 3 hrs

Select 1:
- Prefer ARH 2050 History of Western Art I or 3 hrs
- Prefer ARH 2051 History of Western Art II or 3 hrs
- Prefer MUL 2010 Enjoyment of Music 3 hrs

C: Mathematical Foundations (6 hrs)
- Select 1:
  - Suggested MAC 1105 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 1060C Basic Statistics Using Microsoft Excel or 3 hrs
- Prefer STA 204C 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 BSC 1005 Biological Principles 3 hrs
- Prefer PSC 1121 Physical Science 3 hrs

2. Common Program Prerequisites (CPP) (9 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

EDF 2005 Introduction to the Teaching Profession 3 hrs
EME 2040 Introduction to Technology for Educators 3 hrs

3. Core Requirements: Basic Level (15 hrs)

Other Program Requirements 8 hrs
- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- MAE 2801 Elementary School Mathematics 4 hrs
- PET 2001 Wellness, Children and Schools 1 hr

Lower Division Electives 7 hrs
- 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 is a prerequisite for MAE 2801

Semester I (15 hrs)
- EDF 4467 Learning Theory and Assessment 3 hrs
- EDF 4410 Teaching Strategies and Classroom Management 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 Students in Schools 3 hrs

Semester II (15 hrs)
- EEX 4070 Teaching Exceptional Students 3 hrs
- LAE 4314 Language Arts in the Elementary School 3 hrs
- 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

Summer (3 hrs)
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- TSL 4240 Issues in Second Language Acquisition 3 hrs

Semester III (Internship I Block) (12 hrs)
- 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, LAE 4314, EDF 4467, EDE 3942 Internship I, EDE 4223 Integrated Arts and Movement in the Elementary School, MAE 4326 How Children Learn Mathematics 3 hrs, RED 4942 Practicum for Assessment and Instruction of Reading 3 hrs
**UCF Degree Programs**

1 RED 4942, MAE 4326, and EDE 4943 are taken concurrently with EDE 3942 Internship I. Students should not plan to take additional courses with Internship I block because of the intensity of the Internship I semester.

**Semester IV (Internship II)**  
- Passing score on the Subject Area Examination  
- All methods/specialization/foundations 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/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.

**Internship II (Elementary)**  12 hrs

- EDE 4943

**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.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- Complete a TESOL notebook as required for ESOL Endorsement.
- Pass all applicable sections of the Florida Teacher Certification 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, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**  
- 120

**Honors In Major**  
- None

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**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**  
- ARH 2050  History of Western Art I  3 hrs
- EME 2040  Introduction to Technology for Educators  3 hrs
- ENC 1101  Composition I  3 hrs
- MAC 1105  College Algebra  3 hrs

**Freshman Year - Spring**  
- EDF 2130  Child and Adolescent Development for Educators  3 hrs
- ENC 1102  Composition II  3 hrs
- PSC 1121  Physical Science  3 hrs
- PSC 1121L  Physical Science Lab  1 hr
- PSY 2012  General Psychology  3 hrs

1 Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

**Freshman Year - Summer**  
- MGF 2005  Finite Mathematics  3 hrs
- POS 2041  American National Government  3 hrs

**Sophomore Year - Fall**  
- AMH 2010  U.S. History: 1492-1877  3 hrs
- BSC 1020  Biological Principles  3 hrs
- EDF 2805  Introduction to the Teaching Profession  3 hrs
- MUL 2010  Enjoyment of Music  3 hrs
- SPC 1608  Fundamentals of Oral Communication  3 hrs

1 Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

**Sophomore Year - Spring**  
- AMH 2020  U.S. History: 1877-Present  3 hrs
- EDF 2805  Introduction to Diversity for Educators  3 hrs
- MAE 2801  Elementary School Mathematics  4 hrs
- PET 2801  Wellness, Children and Schools  1 hr
- STA 2014C  Principles of Statistics  3 hrs

**Sophomore Year - Summer**  
- MGF 2005  Finite Mathematics  3 hrs
- POS 2041  American National Government  3 hrs

**Junior Year - Fall**  
- EDF 4467  Learning Theory and Assessment  3 hrs
- EDF 4410  Teaching Strategies and Classroom Management  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 Students in Schools  3 hrs

**Junior Year - Spring**  
- EDF 4470  Teaching Exceptional Students  3 hrs
- LAE 4313  Language Arts in the Elementary School  3 hrs
- RED 4513  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

**Junior Year - 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

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1 RED 4942, MAE 4326, and EDE 4943 are taken concurrently with EDE 3942 Internship I. Students should not plan to take additional courses with Internship I block because of the intensity of the Internship I semester.

**Semester IV (Internship II)**  
- Passing score on the Subject Area Examination  
- All methods/specialization/foundations 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/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.

**Internship II (Elementary)**  12 hrs

- EDE 4943

**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.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- Complete a TESOL notebook as required for ESOL Endorsement.
- Pass all applicable sections of the Florida Teacher Certification 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, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**  
- 120

**Honors In Major**  
- None
UCF Degree Programs

Senior Year - Fall
EDE 3942  Internship I  3 hrs
EDE 4223  Integrated Arts and Movement in the Elementary School  3 hrs
MAE 4326  How Children Learn Mathematics  3 hrs
RED 4942  Practicum for Assessment and Instruction of Reading  3 hrs

Senior Year - Spring
EDE 4943  Internship II (Elementary)  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

English - Creative Writing (B.A.)
College of Arts and Humanities
Department of English, Colbourn Hall, Room: 405
http://english.cah.ucf.edu
E-mail: english@mail.ucf.edu
Dr. David Wallace
Phone: 407-823-2212

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 1.B.1 list  3 hrs

C: Mathematical Foundations
  1 Suggested MGF 1106  Finite Mathematics  3 hrs
  Prefer STA 1060C  Basic Statistics Using Microsoft Excel  3 hrs

1 May substitute a higher level math.

D: Social Foundations

E: Science Foundations

2. Common Program Prerequisites (CPP)  (6 hrs)
  1 ENC 1101  Composition I  GEP
  ENC 1102  Composition II  GEP

1 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 3033  Creative Writing for English Majors  3 hrs
  CRW 3053  Theory & Practice of Creative Writing  3 hrs
  1 ENG 3014  Theories and Techniques of Writing  3 hrs

1 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
  AML 3286  Early American Women’s Fiction or
  AML 3613  Narratives of Slavery or
  AML 3640  Native American Literature or
  AML 4304  Whitman and His Heirs or
  ENL 2012  English Literature I or
  ENL 4220  English Renaissance Poetry and Prose or
  ENL 4230  18th 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  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 advisor for details.
  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 3643  Contemporary Native American Prose and Poetry or
  AML 4101  American Novel or
  AML 4153  American Poetry at Mid-Century 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  Latino/Latina Literature or
  ENL 2022  English Literature II or
  ENL 4101  English Novel or
  ENL 4253  The Victorian Age: Poetry 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 3823  Hispanic Women Writers or
  LIT 4043  Modern Drama As Literature or
  LIT 4184  Irish Literature or
  LIT 4303  Post-World War II Fiction  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
  CRW 3211  Creative Nonfiction Writing or
  CRW 3310  Poetry Writing Workshop or
  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
  1 CRW 4224  Advanced Nonfiction Writing or
  CRW 4320  Advanced Poetry Writing Workshop or
  CRW 4616  Advanced Scriptwriting Workshop  3 hrs

1 May take ENC 4360 Nature Writing instead of CRW 4224 but not both.
## 6. Capstone Requirements

- **None**

## 7. Foreign Language Requirements

### Admissions
- Met by graduation requirement

### 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**

## 10. Required Minors

- **None**

## 11. Departmental Exit Requirements

- Maintain a minimum GPA of 2.0 in upper division required courses
- 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, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required

- **120**

## Honors In Major

- 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 5000 level English elective (3 hrs), Directed Readings (3 hrs), and Thesis hours (3 hrs).
- Successful completion and oral defense of Honors thesis.

## Related Programs

- English - Literature
- English - Technical Communication

## Certificates

- **None**

## Related Minors

- English - Technical Communication
- English - Writing
- Linguistics

### Advising Notes

- **None**

### Transfer Notes

- Courses taken at community colleges 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. 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

<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>HUM 2210 Humanistic Tradition</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MGF 1106 Finite Mathematics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>POS 2041 American National Government</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPC 1608 Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Freshman Year - Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 1020 Concepts in Chemistry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 1102 Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIT 2110 World Literature I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPN 1120C Elementary Spanish Language and Civilization I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>STA 1090C Basic Statistics Using Microsoft Excel</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Sophomore Year - Fall

- Restricted Elective 3 hrs
- BSC 1005 Biological Principles 3 hrs
- LIT 2120 World Literature II 3 hrs
- PSY 2012 General Psychology 3 hrs
- SPN 1121C Elementary Spanish Language and Civilization II 4 hrs

1. Check restrictions

### Sophomore Year - Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AML 3031 American Literature I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CRW 3013 Creative Writing for English Majors</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CRW 3053 Theory &amp; Practice of Creative Writing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENL 2012 English Literature I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPN 2200 Intermediate Spanish Language and Civilization</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Junior Year - Fall

- Restricted Elective 3 hrs
- AML 3041 American Literature II 3 hrs
- CRW 3211 Creative Nonfiction Writing 3 hrs
- ENG 3014 Theories and Techniques of Literature Study 3 hrs

### Junior Year - Spring

- Restricted Elective 3 hrs
- CRW 3120 Fiction Writing Workshop 3 hrs
- CRW 4224 Advanced Nonfiction Workshop 3 hrs
- ENL 2022 English Literature II 3 hrs

### Senior Year - Fall

- Restricted Elective 3 hrs
- CRW 4122 Advanced Fiction Writing Workshop 3 hrs
- LIN 4105 History of the English Language 3 hrs

### Senior Year - Spring

- Restricted Elective 3 hrs
- CRW 3610 Writing Scripts 3 hrs

### 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
UCF Degree Programs

English - Literature (B.A.)
College of Arts and Humanities
Department of English, Colbourn Hall, Room: 405
http://english.cah.ucf.edu
E-mail: english@mail.ucf.edu

Dr. David Wallace
Phone: 407-823-2212

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 (General Education Program) and (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 1068 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 1: 1.1) from 1.B.1 list  3 hrs

C: Mathematical Foundations
1 Required MGF 1106 Finite Mathematics  3 hrs
Prefer STA 1000C Basic Statistics Using Microsoft Excel  3 hrs

D: Social Foundations

(6 hrs)

E: Science Foundations

(6 hrs)

2. Common Program Prerequisites (CPP) (0 hrs)
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
CRW 3053 Theory & Practice of Creative Writing or  3 hrs
ENC 3241 Writing for the Technical Professional  3 hrs

1 Prerequisite for all 4000 level AML, ENG, ENL, or LIT courses

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
■ Note: Each semester, additional courses may satisfy this requirement. Check with advisor for details.

Select 2:
AML 3031 American Literature I or  3 hrs
AML 3286 Early American Women's Words or  3 hrs
AML 3613 Narratives of Slavery or  3 hrs
AML 3640 Native American Literature or  3 hrs
AML 4304 Whitman and His Heirs or  3 hrs

Select 3:
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

Select 4:
AML 4101 American Novel or  3 hrs
AML 4153 American Poetry at Mid-Century 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: Poetry 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 3823 Hispanic Women Writers 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  3 hrs

5. Restricted Electives (15 hrs)
■ Upper Division Requirements

Choose one single author or major author course:  3 hrs

Select 1:
AML 4300 Major American Authors or  3 hrs
ENL 4303 British Authors 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
LIT 4244 World Authors  3 hrs

Choose one linguistics or theory course:  3 hrs

Select 1:
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, or LIT prefix

6. Capstone Requirements
■ None
7. Foreign Language Requirements

Admissions

- Met by graduation requirement

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 4980.

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- Maintain a minimum GPA of 2.0 in upper division required courses.
- 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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

- 120

Honors In Major

- 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 5000 level English elective (3 hrs), Directed Readings (3 hrs), and Thesis hours (3 hrs).
- 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
- English - Writing

Advising Notes

- None

Transfer Notes

- Courses taken at community colleges 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

- **ENL 2012** English Literature I 3 hrs
- **LIT 2110** World Literature I 3 hrs
- **AML 3041** American Literature I 3 hrs
- **STA 1060C** Basic Statistics Using Microsoft Excel 3 hrs

#### Freshman Year - Spring

- **CHM 1020** Concepts in Chemistry 3 hrs
- **ENC 1102** Composition II 3 hrs
- **LIT 2120** World Literature I 3 hrs
- **STA 1060C** Basic Statistics Using Microsoft Excel 3 hrs

#### Sophomore Year - Fall

- **BSC 1005** Biological Principles 3 hrs
- **LIT 2120** World Literature II 3 hrs
- **PSY 2012** General Psychology 3 hrs
- **SPAN 1120C** Intermediate Spanish Language and Civilization I 4 hrs

#### Sophomore Year - Spring

- **BSC 1005** Biological Principles 3 hrs
- **LIT 2120** World Literature II 3 hrs
- **PSY 2012** General Psychology 3 hrs
- **SPAN 1120C** Intermediate Spanish Language and Civilization I 4 hrs

#### Junior Year - Fall

- **ENL 2022** English Literature II 3 hrs
- **CRW 3013** Creative Writing for English Majors 3 hrs
- **ENL 2022** English Literature II 3 hrs
- **LIT 2120** World Literature II 3 hrs

#### Junior Year - Spring

- **LIN 4105** History of the English Language 3 hrs
- **ENL 4253** The Victorian Age: Poetry 3 hrs
- **ENL 4333** Shakespeare Studies 3 hrs

#### Senior Year - Fall

- **ENL 4253** The Victorian Age: Poetry 3 hrs
- **ENL 4333** Shakespeare Studies 3 hrs
- **ENL 4333** Shakespeare Studies 3 hrs
- **ENL 4333** Shakespeare Studies 3 hrs

#### Senior Year - Spring

- **SPN 1121C** Elementary Spanish Language and Civilization I 3 hrs
- **ENL 4333** Shakespeare Studies 3 hrs
- **ENL 4333** Shakespeare Studies 3 hrs
- **ENL 4333** Shakespeare Studies 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
English - Technical Communication (B.A.)

College of Arts and Humanities

Department of English, Colbourn Hall, Room: 405
http://english.cah.ucf.edu
E-mail: english@mail.ucf.edu
Dr. David Wallace
Phone: 407-823-2212

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 1000 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

1. MGF 1106 Finite Mathematics 3 hrs
Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

1. (May substitute a higher level math course)

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (0 hrs)

- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

ENC 1101 Composition I GEP
ENC 1102 Composition II GEP

3. Core Requirements: Basic Level (6 hrs)

Select 1: 3 hrs
ENC 3241 Writing for the Technical Professional 3 hrs

Select 2: 3 hrs
CRW 3013 Creative Writing for English Majors or
CRW 3053 Theory & Practice of Creative Writing or
ENG 3014 Theories and Techniques of Literature Study 3 hrs

4. Core Requirements: Advanced Level (15 hrs)

ENC 4280 Technical Writing Style 3 hrs
ENC 4293 Documentation and the Collaborative Process 3 hrs
ENC 4294 Documentation and Client-Based Collaboration 3 hrs
LIT 4433 Literature of Science and Technology 3 hrs

Select 1: 3 hrs
ENC 4215 Technical Publication and Project Management or
ENC 4218 The Visual in Technical Documentation 3 hrs

Literary History Requirement 9 hrs

Select at least one of these pre-1865 literature courses 0 hr
AML 3001 American Literature I or 3 hrs
AML 3286 Early American Women's Words or 3 hrs
AML 3613 Narratives of Slavery or 3 hrs
AML 3640 Native American Literature or 3 hrs
AML 4304 Whitman and His Heirs or 3 hrs
ENL 2012 English Literature I or 3 hrs
ENL 4220 English Renaissance Poetry and Prose or 3 hrs
ENL 4230 18th 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
LIT 4374 Literature of the Bible 3 hrs

Select at least one of these post 1865 literature courses 0 hr
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 4010 American Novel or 3 hrs
AML 4153 American Poetry at Mid-Century 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: Poetry 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 3823 Hispanic Women Writers 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 3 hrs

5. Restricted Electives (3 hrs)

Select 1: 3 hrs
ENC 3911 Advanced Expository Writing or 3 hrs
ENC 4262 International Technical Communication or 3 hrs
ENC 4265 Writing for the Computer Industry or 3 hrs
ENC 4290 Usability Testing for Technical Communication or 3 hrs
ENC 4414 Writing and Hypertext 3 hrs

Optional course:
ENC 4941 Internship 1 hr

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Met by graduation requirement

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.

UNIVERSITY OF CENTRAL FLORIDA

184 Undergraduate Catalog 2010-2011
8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside 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 a minimum GPA of 2.0 in upper division required courses
- Computer Competency met by completion of the following:
  
  ENC 4293 Documentation and the Collaborative Process 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, the CLAS and nine hours of Summer credit (if applicable)

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 5000 level English elective (3 hours), Directed Readings (3 hours), and Thesis hours (3 hours).
- Successful completion and oral defense of Honors thesis.

Related Programs
- English - Creative Writing
- English - Literature

Certificates
- None

Related Minors
- English - Creative Writing
- English - Linguistics
- English - Literature
- English - Writing

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges 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
- 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
- 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

English Language Arts Education (B.S.)
College of Education
Department of Teaching and Learning Principles, Education Building, Room: 209
http://education.ucf.edu/englisched/
E-mail: jkaplan@mail.ucf.edu
Dr. Jeff Kaplan, ED 122B
Phone: 407-823-2041

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e., an AA degree from an approved Florida community college or state university
- Have a minimum 2.5 overall GPA
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).
- 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.

Degree Requirements
- Students must complete the pre-service professional education courses 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)
- Prefer AMH 2010 U.S. History: 1492-1877 3 hrs
- Prefer AMH 2020 U.S. History: 1877-Present 3 hrs
- Required LIT 2110 World Literature I 3 hrs

C: Mathematical Foundations (6 hrs)
- Prefer MGF 1106 Finite Mathematics 3 hrs

Select 1: (3 hrs)
- Prefer STA 1060C Basic Statistics Using Microsoft Excel or
- 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 (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) (9 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

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.
UCF Degree Programs

3. Core Requirements: Basic Level (12 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 2130</td>
<td>Child and Adolescent Development for Educators</td>
<td>3</td>
</tr>
<tr>
<td>ENL 2012</td>
<td>English Literature I</td>
<td>3</td>
</tr>
<tr>
<td>ENL 2022</td>
<td>English Literature II</td>
<td>3</td>
</tr>
<tr>
<td>LIT 2110</td>
<td>World Literature I</td>
<td></td>
</tr>
<tr>
<td>LIT 2120</td>
<td>World Literature II</td>
<td>3</td>
</tr>
</tbody>
</table>

¹ Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

4. Core Requirements: Advanced Level (63 hrs)

Education Core Requirements (21 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 4467</td>
<td>Learning Theory and Assessment</td>
<td>3</td>
</tr>
<tr>
<td>EDF 4603</td>
<td>Analysis and Application of Ethical, Legal, and Safety Issues in Schools</td>
<td>3</td>
</tr>
<tr>
<td>EDF 4410</td>
<td>Teaching Strategies and Classroom Management</td>
<td></td>
</tr>
<tr>
<td>EEX 4242</td>
<td>Teaching Exceptional Students in Secondary Settings</td>
<td>3</td>
</tr>
<tr>
<td>RED 4043</td>
<td>Content Reading in Kindergarten through Grade 12</td>
<td>3</td>
</tr>
<tr>
<td>TSL 4080</td>
<td>Theory and Practice of Teaching ESOL Students in Schools</td>
<td>3</td>
</tr>
<tr>
<td>TSL 4240</td>
<td>Issues in Second Language Acquisition</td>
<td>3</td>
</tr>
</tbody>
</table>

Specialization Requirements (21 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AML 3031</td>
<td>American Literature I</td>
<td>3</td>
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<tr>
<td>AML 3041</td>
<td>American Literature II</td>
<td>3</td>
</tr>
<tr>
<td>CRW 3013</td>
<td>Creative Writing for English Majors</td>
<td>3</td>
</tr>
<tr>
<td>ENG 3014</td>
<td>Theories and Techniques of Literature Study</td>
<td></td>
</tr>
<tr>
<td>LAE 4404</td>
<td>Survey of Adolescent Literature</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>ENC 3311</td>
<td>Advanced Expository Writing or</td>
<td>3</td>
</tr>
<tr>
<td>LIN 4106</td>
<td>History of the English Language</td>
<td>3</td>
</tr>
</tbody>
</table>

Upper Division Elective with EDF, EDG, LAE, or RED prefix 3 hrs

Internship I Block 9 hrs

- Prior to Internship I, the student must have completed EDF 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, TSL 4080 Theory and Practice of Teaching ESOL Students in Schools, and LAE 4464 Introduction to Adolescent Literature 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 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 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/clincalexp/

Internship II 12 hrs

- 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.clincalexp.education.ucf.edu.
- 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.
- Passing score on the Subject Area Examination (English 6-12) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II.
- LAE 4941 Internship 12 hrs

5. Restricted Electives (0 hrs)

6. Capstone Requirements

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.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- Complete a TESOL notebook as required for ESOL Endorsement.
- Pass all applicable sections of the Florida Teacher Certification 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, the CLAS and nine hours of Summer credit (if applicable)

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**  
- 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

**Freshman Year - Spring**  
- EDF 2005 Introduction to Diversity for Educators 3 hrs  
- ENC 1102 Composition II 3 hrs  
- POS 2041 American National Government 3 hrs  
- PSC 1121 Physical Science 3 hrs

**Freshman Year - Summer**  
- EME 2040 Introduction to Technology for Educators 3 hrs  
- LT 2110 World Literature I 3 hrs

**Sophomore Year - Fall**  
- AMH 2010 U.S. History: 1492-1877 3 hrs  
- LT 2120 World Literature II 3 hrs  
- SPC 1608 Fundamentals of Oral Communication 3 hrs  
- **Select 1:**
  - ANT 2511 The Human Species or 3 hrs  
  - BSC 1005 Biological Principles 3 hrs

**Sophomore Year - Spring**  
- AMH 2020 U.S. History: 1877-Present 3 hrs  
- AML 3031 American Literature I 3 hrs  
- EDF 2130 Child and Adolescent Development for Educators 3 hrs  
- ENL 2012 English Literature I 3 hrs

**Sophomore Year - Summer**  
- ENL 2022 English Literature II 3 hrs  
- TSL 4080 Theory and Practice of Teaching ESL Students in Schools 3 hrs

**Junior Year - Fall**  
- CRW 3013 Creative Writing for English Majors 3 hrs  
- EDF 4467 Learning Theory and Assessment 3 hrs  
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs  
- TSL 4240 Issues in Second Language Acquisition 3 hrs

**Junior Year - Spring**  
- AML 3041 American Literature II 3 hrs  
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs  
- LAE 4361 Literacy Strategies for Middle and High School Grade 12 3 hrs  
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs  
- **Select 1:**
  - ENC 3311 Advanced Expository Writing or 3 hrs  
  - LIN 4105 History of the English Language 3 hrs

**Junior Year - Summer**  
- ENG 3014 Theories and Techniques of Literature Study 3 hrs

**Senior Year - Fall**  
- EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs  
- LAE 3940 Internship 3 hrs  
- LAE 4342 Programs in Teaching Language and Composition 3 hrs  
- LAE 4380 English Instructional Analysis 3 hrs

**Senior Year - Spring**  
- LAE 4941 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

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

Ms. Carol Ann Pohl, cpohl@mail.ucf.edu  
Dr. Andrew Randall, randall@mail.ucf.edu  
Phone: 407-823-2841

**Admission Requirements**  
- None

**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.

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 State University/Community College Systems should complete the GEP and the Common Program Prerequisites before transferring.

   **A: Communication Foundations (9 hrs)**  
   - Required
     - ENC 1101 Composition I 3 hrs  
     - ENC 1102 Composition II 3 hrs
   - Suggested
     - SPC 1003 Fundamentals of Technical Presentations 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
     - STA 3023 Probability and Statistics for Engineers 4 hrs
   - Suggested
     - MAC 2311 Calculus with Analytic Geometry I 4 hrs

   **D: Social Foundations (6 hrs)**  
   - Select 1: 3 hrs  
   - Preference
     - ECO 2023 Principles of Microeconomics 3 hrs

   **E: Science Foundations (7 hrs)**  
   - Required
     - PHY 2048C Physics for Engineers & Scientists I 4 hrs
   - Suggested
     - MAC 2311 Calculus with Analytic Geometry 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.
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

   - Required
     - ENC 1101 Composition I GEP
     - ENC 1102 Composition II GEP
     - MAC 2311 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 Differential Equations 3 hrs
     - PHY 2048C Physics for Engineers & Scientists I GEP
     - PHY 2049C Physics for Engineers & Scientists II 4 hrs
UCF Degree Programs

Select one of the following sequences of courses:

CHM 2040C  Chemistry Fundamentals IA and 3 hrs
CHM 2041C  Chemistry Fundamentals IB 3 hrs

or

CHM 2045C  Chemistry Fundamentals I 4 hrs

or

CHS 1440  Fundamentals of Chemistry for Engineers 4 hrs

1 also satisfy UCF GEP sub-requirements

3. Core Requirements: Basic Level (6 hrs)

- Environmental engineering majors must complete both Earth Science and Biological Science coursework. See assigned academic advisor for list of approved courses.
- CHM 2045C  Chemistry Fundamentals I 3 hrs
- CHM 2046  Chemistry Fundamentals II 3 hrs
- CHM 2046L  Chemistry Fundamentals Laboratory 1 hr
- EGN 1006C  Introduction to the Engineering Profession 1 hr
- EGN 1007C  Engineering Concepts and Methods 1 hr
- Earth Science - GEP
- Biological Science 3 hrs

4. Core Requirements: Advanced Level (51 hrs)

Courses Required for the Major

CCE 4003  Introduction to the Construction Industry 3 hrs
CWR 3201  Engineering Fluid Mechanics 3 hrs
CWR 4101C  Hydrology 3 hrs
CWR 4203C  Hydraulics 3 hrs
EES 4111C  Biological Process Control 3 hrs
EES 4202C  Chemical Process Control 3 hrs
1 EGN 3310  Engineering Analysis-Statics 3 hrs
EGN 3321  Engineering Analysis-Dynamics 3 hrs
EGN 3331  Mechanics of Materials 3 hrs
EGN 3343  Thermodynamics 3 hrs
EGN 3373  Principles of Electrical Engineering 3 hrs
EGN 3613  Engineering Economic Analysis 2 hrs
1 ENV 3001  Introduction to Environmental Engineering 3 hrs
ENV 4120  Air Pollution Control 3 hrs
ENV 4341  Solid & Hazardous Waste Management 4 hrs
ENV 4561  Environmental Engineering - Process Design 4 hrs
STA 3032  Probability and Statistics for Engineers GEP

5. Restricted Electives (7 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

Select 2:

CGN 4808C  Civil Engineering Capstone Design or 6 hrs
CWR 4812C  Water Resources Design or 3 hrs
ENV 4122C  Air Pollution Control Design or 3 hrs
ENV 4300C  Solid Waste Facility Design or 3 hrs
ENV 4562C  Environmental Engineering Systems Design 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

- EnVE students must take the Fundamentals of Engineering (FE) Exam during their Senior year.

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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

- 128

Honors In Major

- None

Related Programs

- Chemistry
- Civil Engineering
- Construction Engineering

Certificates

- None

Related Minors

- Biocengineering
- Chemistry
- Engineering Leadership
- Environmental Studies
- Mathematics

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 taken from Community Colleges 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.
- EGN 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one 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.
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
E-mail: hospitality@mail.ucf.edu
Dr. Deborah Breiter, Department Chair
Dr. Abraham Pizam, Dean
Phone: 407-903-8000

Admission Requirements

Degree Requirements

1. UCF General Education Program (GEP) (36 hrs)

   A: Communication Foundations
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations
       Required MAC 1105 College Algebra 3 hrs

   Select 1:
       Required CGS 2100C Computer Fundamentals for Business or
       Required STA 2023 Statistical Methods I 3 hrs

   Select 1:
       Required STA 2023 Statistical Methods I 3 hrs

   D: Social Foundations

   Select 1:
       Required ECO 2013 Principles of Macroeconomics or
       Required ECO 2023 Principles of Microeconomics 3 hrs

   Select 1:
       Required ECO 2023 Principles of Microeconomics 3 hrs

2. Common Program Prerequisites (CPP) (3 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 (0 hrs)
   MAC 1105 College Algebra GEP

   Select 1:
       Required CGS 2100C Computer Fundamentals for Business or
       Required STA 2023 Statistical Methods I GEP

   Select 1:
       Required STA 2023 Statistical Methods I GEP

4. Core Requirements: Advanced Level (52 hrs)

   Hospitality Management Core 24 hrs
   HFT 2220 Hospitality Human Resources Management 3 hrs
   HFT 2254 Lodging Operations 3 hrs
   HFT 2401 Hospitality Industry Financial Accounting 3 hrs
   HFT 2500 Hospitality and Tourism Marketing 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 3 hrs
   HFT 3940 Internship 1 hr
   HFT 4941 Internship 1 hr
   HFT 4944 Practicum 1 hr

Environmental Studies Track
See Interdisciplinary Studies - Environmental Studies Track
### Event Management Core
- HFT 2750: The Event Industry (3 hrs)
- HFT 3373: Event Design, Production & Technology (3 hrs)
- HFT 3512: Event Promotion (3 hrs)
- HFT 3519: Event Services (3 hrs)
- HFT 3523: Event Sales (3 hrs)
- HFT 3670: Hospitality and Event Risk Management (3 hrs)
- HFT 4757: Event Management (3 hrs)

#### Total Semester Hours Required
- 120

### Electives
- Complete any six restricted Event Management Electives (18 hrs)

#### Related Programs
- None

#### Related Minors
- None

### Graduation
- None

### 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.)

#### Plan of Study

#### Freshman Year - Fall
- CGS 2100C: Computer Fundamentals for Business (3 hrs)
- ENC 1101: Composition I (3 hrs)
- HFT 1000: Introduction to the Hospitality and Tourism Industry (3 hrs)

#### Select one course from the list
- AMH 2010: U.S. History: 1492-1877 (3 hrs)
- EUH 2001: Western Civilization II (3 hrs)
- HUM 2210: Humanistic Tradition I (3 hrs)
- WOH 2012: World Civilization I (3 hrs)

#### Freshman Year - Spring
- ENC 1102: Composition II (3 hrs)
- HFT 2220: Hospitality Human Resources Management (3 hrs)
- HFT 2750: The Event Industry (3 hrs)
- MAC 1105: College Algebra (3 hrs)

#### Cultural Foundation Course
- AMH 2020: U.S. History: 1877-Present (3 hrs)
- EUH 2000: Western Civilization I (3 hrs)
- HUM 2220: Humanistic Tradition II (3 hrs)
- WOH 2022: World Civilization II (3 hrs)

#### Sophomore Year - Fall
- HFT 3519: Event Services (3 hrs)
- HFT 3670: Hospitality and Event Risk Management (3 hrs)
- SPC 1608: Fundamentals of Oral Communication (3 hrs)

#### Select 1:
- ECO 2013: Principles of Macroeconomics (3 hrs)
- ECO 2023: Principles of Microeconomics (3 hrs)

#### Science Foundation
- ANTH 2010: The Human Species (3 hrs)
- BSC 1005: Biological Principles (3 hrs)
- BSC 1050: Biology and Environment (3 hrs)
- GEO 2000: Physical Geography (3 hrs)
- GLY 1030: Geology and its Applications (3 hrs)

#### Sophomore Year - Spring
- FSS 2221C: Techniques of Food Preparation (4 hrs)
- HFT 2500: Hospitality and Tourism Marketing (3 hrs)
- HFT 3523: Event Sales (3 hrs)
- HFT 3792: Event Design and Production (3 hrs)

#### Science Foundation II
- AST 2002: Astronomy (3 hrs)
- CHM 1020: Concepts in Chemistry (3 hrs)
- PSC 1121: Physical Science (3 hrs)
### Cultural Foundation Course

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 2050</td>
<td>History of Western Art I or II</td>
<td>3</td>
</tr>
<tr>
<td>FIL 1000</td>
<td>Cinema Survey or Fundamentals of Literature</td>
<td>3</td>
</tr>
<tr>
<td>LIT 2110</td>
<td>World Literature I or II</td>
<td>3</td>
</tr>
<tr>
<td>LIT 2120</td>
<td>World Literature II or III</td>
<td>3</td>
</tr>
<tr>
<td>MUL 2100</td>
<td>Enjoyment of Music or Fundamentals of Music</td>
<td>3</td>
</tr>
<tr>
<td>PHI 2010</td>
<td>Introduction to Philosophy or Fundamentals of</td>
<td>3</td>
</tr>
<tr>
<td>REL 2300</td>
<td>World Religion or Fundamentals of Religion</td>
<td>3</td>
</tr>
<tr>
<td>THE 2000</td>
<td>Theatre Survey</td>
<td>3</td>
</tr>
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</table>

1 Food Preparation for Catered Events 4 credit hours

### Junior Year - Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
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<tbody>
<tr>
<td>HFT 2254</td>
<td>Lodging Operations</td>
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</tr>
<tr>
<td>HFT 2401</td>
<td>Hospitality Industry Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>HFT 3373</td>
<td>Event Design, Production &amp; Technology</td>
<td>3</td>
</tr>
<tr>
<td>HFT 3519</td>
<td>Event Services</td>
<td>3</td>
</tr>
<tr>
<td>HFT 3540</td>
<td>Guest Services Management I</td>
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</tr>
<tr>
<td>HFT 3940</td>
<td>Internship</td>
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</tbody>
</table>

15 hrs

### Event Management Restricted Electives ***See list in catalog for 9hrs

### Senior Year - Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>HFT 4286</td>
<td>Hospitality Communications</td>
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</tr>
<tr>
<td>HFT 4464</td>
<td>Hospitality Industry Finance</td>
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</tr>
<tr>
<td>HFT 4944</td>
<td>Practicum</td>
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</table>

15 hrs

### Event Management Restricted Elective ***See list in Catalog for 9hrs

### University Free Electives 5 hours

### Senior Year - Spring

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>HFT 4757</td>
<td>Event Management</td>
<td>3</td>
</tr>
</tbody>
</table>

15 hrs

### Event ManagementRestricted Electives ***See list in catalog for 6hrs

### University Free Electives 6 hours

### 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: $37.50 per term
- Full-Time Student: $75 per term

### Exceptional Student Education (B.S.)

#### College of Education

**Department of Child, Family and Community Sciences, Education Building, Room: 209**


- Dr. Lee Cross, Program Coordinator, lcross@mail.ucf.edu
- Linda Alexander, Program Contact, lalexand@mail.ucf.edu, 407-823-2598

#### Admission Requirements

- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university.
- Have a minimum 2.5 overall GPA.
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).
- 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.

### Degree Requirements

- Students should seek advising through the Exceptional Education faculty 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.
- 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.
- Students must earn a “C” (1.75) or better in each required Exceptional Education course.
- Passing scores on ALL three applicable sections of the Florida Teacher Certification Examination. See http://www.fldoe.org for available test dates and test sites. FTCE General Knowledge Test (GKT)- Passing score on the GKT is required prior for admission into the College of Education.
- FTCE Professional Education Test (PED) prior to Internship I.
- FTCE Subject Area Examination for Exceptional Student Education K-12
- Must take and pass one of the following content area subject area exams: Elementary K-5, Secondary individual subject areas 6-12, or Integrated Curriculum 6-9

#### 1. UCF General Education Program (GEP) (36 hrs)

- Students are advised to take the preferred courses.

<table>
<thead>
<tr>
<th>Area</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>A:</td>
<td>Communication Foundations</td>
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<tr>
<td></td>
<td>Required ENC 1101 Composition I</td>
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<tr>
<td></td>
<td>Required ENC 1102 Composition II</td>
</tr>
<tr>
<td></td>
<td>Prefer SPC 1608 Fundamentals of Oral Communication</td>
</tr>
<tr>
<td>B:</td>
<td>Cultural &amp; Historical Foundations</td>
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<tr>
<td></td>
<td>Prefer AMH 2010 U.S. History: 1492-1877</td>
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<td></td>
<td>Prefer AMH 2020 U.S. History: 1877-Present</td>
</tr>
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<td>Select 1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Prefer LIT 2110 World Literature I</td>
</tr>
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<td>Prefer LIT 2120 World Literature II</td>
</tr>
<tr>
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<td>Prefer PHI 2010 Introduction to Philosophy or</td>
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<td></td>
<td>Prefer REL 2300 World Religions</td>
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<tr>
<td>C:</td>
<td>Mathematical Foundations</td>
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<td></td>
<td>Select 1:</td>
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<tr>
<td></td>
<td>Prefer STA 1060C Basic Statistics Using Microsoft Excel</td>
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<td>Prefer STA 2014C Principles of Statistics</td>
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<tr>
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<td>Suggested MGF 1106 Finite Mathematics or</td>
</tr>
<tr>
<td></td>
<td>Suggested MGF 1107 Explorations in Mathematics</td>
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<td>D:</td>
<td>Social Foundations</td>
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<td>Select 1:</td>
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<tr>
<td></td>
<td>Prefer POS 2041 American National Government</td>
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<td></td>
<td>Prefer PSY 2012 General Psychology</td>
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<td>E:</td>
<td>Science Foundations</td>
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<td>Select 1:</td>
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<td></td>
<td>Prefer PSC 1121 Physical Science</td>
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<tr>
<td></td>
<td>Select 1:</td>
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<tr>
<td></td>
<td>Prefer ANT 2511 The Human Species or</td>
</tr>
<tr>
<td></td>
<td>Prefer BSC 1005 Biological Principles</td>
</tr>
</tbody>
</table>

#### 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                       | 3 hrs |
- EDF 2085 Introduction to Diversity for Educators                       | 3 hrs |
- EME 2040 Introduction to Technology for Educators                      | 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.
3. Core Requirements: Basic Level (15 hrs)

- EDF 2130  Child and Adolescent Development for Educators (3 hrs)
- EDF 2720  Children in Schools: Legal, Ethical and Safety Concerns (3 hrs)
- EEX 2010  Introduction to Special Education (3 hrs)
- EEX 2758  Enhancing Family Involvement in Education (2 hrs)
- MAE 2801  Elementary School Mathematics (4 hrs)

Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

4. Core Requirements: Advanced Level (60 hrs)

Exceptional Student Education majors take a variety of courses related to children, adolescents, and adults with special needs, and their learning, development, and family environments. Students majoring in Exceptional Student Education take a series of core and specialization courses to prepare them to teach in the schools and to demonstrate the Florida Educator Accomplished Practices (FEAP). Early and continuous field experiences are provided to enhance the Exceptional Student Education major's program and to integrate theory and practice in actual school settings. Throughout the Exceptional Student Education program, students document and reflect upon their accomplishments in a Professional LiveText Portfolio, which is continuously reviewed by faculty. In addition, students must complete a TESOL Notebook.

Semester I 12 hrs

- EDG 4410  Teaching Strategies and Classroom Management (3 hrs)
- EEX 3241  Methods for Academic Skills for Exceptional Students (3 hrs)
- RED 3012  Basic Foundations of Reading (3 hrs)
- TSL 4080  Theory and Practice of Teaching ESOL (3 hrs)

Courses to be taken prior to Internship I

Semester II 15 hrs

- It is strongly recommended to take the Professional Education Test (PED) portion of the FTCE during Semester II (EDF 4467  3 hrs)
- EEX 4324  Techniques for Exceptional Adolescents-Adults (3 hrs)
- LAE 4314  Language Arts in the Elementary School (3 hrs)
- RED 4519  Diagnostic and Corrective Reading Strategies (3 hrs)
- TSL 4240  Issues in Second Language Acquisition (3 hrs)

Semester III (Summer) 6 hrs

- Please note: It is required to take the Professional Education Test (PED) prior to Semester III and the Exceptional Student Education (ESE) Subject Area Exam portion of the Florida Teacher Certification Exam (FTCE) prior to Semester IV.
- 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/
- 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 I.
- EEX 3221  Assessment of Exceptional Students (3 hrs)
- EEX 4066  Curriculum, Theory and Instructional Strategies for Students with Special Needs (3 hrs)

Semester IV 15 hrs

- 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/
- A passing score on all applicable sections of the Florida Teacher Certification Examination (General Knowledge Test, Professional Education Test, and Subject Area Examination for Exceptional Student Education K-12) is strongly recommended before entry into student teaching (EEX 4941 Internship II).
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, the CLAS and nine hours of Summer credit (if applicable)

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10. Required Minors
- None

8. Additional Requirements
- None

Planning Your Degree Audit
- Review your degree audit for more recent information.

9. Additional Requirements
- None

11. Departmental Exit Requirements
- Achieve a minimum 2.5 GPA in all courses within the major.
- Complete a LiveText portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- Complete a TESOL notebook as required for ESOL Endorsement.
- Pass all applicable sections of the Florida Teacher Certification 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, the CLAS and nine hours of Summer credit (if applicable)

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Transferring Credit
- 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

Freshman Year - Spring
- EDF 2005 Introduction to Diversity for Educators 3 hrs
- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- ENC 1102 Composition II 3 hrs
- FSC 1121 Physical Science 3 hrs

Select 1:
- LIT 2110 World Literature I or 3 hrs
- LIT 2120 World Literature II or 3 hrs
- PHI 2101 Introduction to Philosophy or 3 hrs
- REL 2300 World Religions 3 hrs

Freshman Year - Summer
- EME 2040 Introduction to Technology for Educators 3 hrs
- POS 2041 American National Government 3 hrs

Sophomore Year - Fall
- AMH 2010 U.S. History: 1492-1877 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

Select 1:
- ANT 2511 The Human Species or 3 hrs
- BSC 1005 Biological Principles 3 hrs

Sophomore Year - Spring
- AMH 2020 U.S. History: 1877-Present 3 hrs
- EDF 2720 Children in Schools: Legal, Ethical and Safety Concerns 3 hrs
- EEX 2758 Enhancing Family Involvement in Education 2 hrs
- MAE 2801 Elementary School Mathematics 4 hrs

Sophomore Year - Summer
- A passing score on the Florida Teacher Certification Examination is required prior to admission to the Exceptional Education Program.

Junior Year - Fall
- EEX 4410 Teaching Strategies and Classroom Management 3 hrs
- EEX 3241 Methods for Academic Skills for Exceptional Students 3 hrs
- RED 3012 Basic Foundations of Reading 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

Junior Year - Spring
- EDF 4467 Learning Theory and Assessment 3 hrs
- EEX 3243 Techniques for Exceptional Adolescents-Adults 3 hrs
- LAE 4314 Language Arts in the Elementary School 3 hrs
- RED 4519 Diagnostic and Corrective Reading Strategies 3 hrs
- TSL 4240 Issues in Second Language Acquisition 3 hrs

Junior Year - Summer
- It is strongly recommended to take the Subject Area Examination (SAE) portion of the FTCE during Semester III.
- EEX 3221 Assessment of Exceptional Students 3 hrs
- EEX 4066 Curriculum, Theory and Instructional Strategies for Students with Special Needs 3 hrs

Senior Year - Fall
- EEX 3942 Internship I Exceptional Education 3 hrs
- EEX 4501 Introduction to Behavior Management 3 hrs
- EEX 4763 Technology for Classroom Teachers of Students with Special Needs 3 hrs
- RED 4942 Practicum for Assessment and Instruction of Reading 3 hrs

Select Methods Content I
- Choose from one of the following. Must be different from the selected course during Senior Year Fall Term.
- LAE 3414 Literature for Children or 3 hrs
- LAE 4350 English Instructional Analysis or 3 hrs
- MAE 4326 How Children Learn Mathematics or 3 hrs
- MAE 4360 Mathematics Instructional Analysis or 4 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 or 3 hrs
- SCE 3310 Teaching Science in Elementary School or 3 hrs
- SCE 4360 Science Instructional Analysis or 4 hrs
- SSE 3312 Teaching Social Science in the Elementary School or 3 hrs
- SSE 4361 Social Science Instructional Analysis or 4 hrs

Senior Year - Spring
- EEX 4943 Internship II 1 hr
- Select one approved Methods Course 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oears.ucf.edu/alic/academic_learning_compacts.htm
UFB Degree Programs

Film (B.F.A.)

College of Arts and Humanities
Department of Film, Nicholson School of Communication, Room: 121
http://www.film.cah.ucf.edu

E-mail: film@mail.ucf.edu

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.
- 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.

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.
- 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.

1 Six semesters of colloquium required at 1 hour each.

1. UCF General Education Program (GEP) (36 hrs)

- See Transfer Notes for possible substitutions.

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

- Prefer FIL 2030 History of Motion Pictures 3 hrs
- Prefer one course from 1.B.1 list 3 hrs
- Prefer one course from either 1.B.1 or 1.B.2 list 3 hrs

C: Mathematical Foundations (6 hrs)

1 Prefer MGF 1106 Finite Mathematics 3 hrs

Select 1:

- Prefer CGS 1060C Introduction to Computer Science or 3 hrs
- Prefer STA 1060C Basic Statistics Using Microsoft Excel 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)

- FIL 1007 Foundations of Story 3 hrs
- FIL 2030 History of Motion Pictures GEP

1 See transfer notes for possible substitutions.

3. Core Requirements: Basic Level (21 hrs)

- Lower level core requirements
  - DIG 2000 Introduction to Digital Media 3 hrs
  - FIL 1009 Cinematic Expression for Majors 3 hrs
  - FIL 2107 Script Analysis 3 hrs
  - FIL 2461 Cinematography I 3 hrs
  - FIL 2480 Directing for Film I 3 hrs
  - FIL 2481 Directing the Actor for Film I 3 hrs
  - FIL 2552C Editing I 3 hrs

- Upper level core requirements
  - FIL 3037 Film History II 3 hrs
  - FIL 3115 Short Script I 3 hrs
  - FIL 3132 Short Script II 3 hrs
  - FIL 3427C Introduction to Film Production 3 hrs
  - FIL 3534 Sound Design for Film I 3 hrs
  - FIL 3803C Film Theory and Criticism I 3 hrs
  - FIL 3922 Film Colloquium 1 hr
  - FIL 4486C Directing for Film II 3 hrs
  - FIL 4647 Film Production Management 3 hrs
  - FIL 4661 The Film Producer 3 hrs

2 (Common Program Prerequisites) are usually completed in the courses taken from the UCF Film Department.

4. Core Requirements: Advanced Level (36 hrs)

- Upper level core requirements
  - FIL 3037 Film History II 3 hrs
  - FIL 3115 Short Script I 3 hrs
  - FIL 3132 Short Script II 3 hrs
  - FIL 3427C Introduction to Film Production 3 hrs
  - FIL 3534 Sound Design for Film I 3 hrs
  - FIL 3803C Film Theory and Criticism I 3 hrs
  - FIL 3922 Film Colloquium 1 hr
  - FIL 4486C Directing for Film II 3 hrs
  - FIL 4647 Film Production Management 3 hrs
  - FIL 4661 The Film Producer 3 hrs

5. Restricted Electives (12 hrs)

- Select four courses from the following. Must complete all core requirements before taking these courses. A maximum of 6 hours of Independent Study may be substituted with advisor’s prior approval.

Production/Direction

- DIG 4704 Interactive Entertainment 3 hrs
- FIL 3363C Film Documentary 3 hrs
- FIL 4451 Design for Film 3 hrs
- FIL 4472C Cinematography II 3 hrs
- FIL 4487 Directing for Film III 3 hrs
- FIL 4535C Sound Design for Film II 3 hrs
- FIL 4536 Sound Design III 3 hrs
- FIL 4566C Editing II 3 hrs

Screen Writing

- FIL 4103 Adaptation 3 hrs
- FIL 4113C Interactive Writing I 3 hrs
- FIL 4114C Interactive Writing II 3 hrs
- FIL 4126C Genre Writing 3 hrs
- FIL 4162C Feature/TV Writing I 3 hrs
- FIL 4163C Feature/TV Writing II 3 hrs
- FIL 4906 Directed Independent Study 1 hr

Cinema Studies

- FIL 3051 Avant-Garde Cinema 3 hrs
- FIL 3064C Film Theory and Criticism II 3 hrs
- FIL 3820 Italian Film 3 hrs
- FIL 3822 French Film 3 hrs
- FIL 3823 German Film 3 hrs
- FIL 3824 Italian Neo-Realist Cinema 3 hrs
- FIL 3826 American Cinema 3 hrs
- FIL 3831 Black Cinema 3 hrs
- FIL 3841 French New Wave Cinema 3 hrs
- FIL 3847 Latin American Cinema 3 hrs
- FIL 3871 The American Film Artist 3 hrs
- FIL 3880C Images of Women in Film 3 hrs
- FIL 4436 Film Theory/Film Production 3 hrs

Digital Cinema

- ART 2823 Art as Interface 3 hrs
- ART 3618C Post-Production Design 3 hrs
- COP 3902C Computer Science I 3 hrs
- DIG 3134 Media Software Design 3 hrs
- DIG 3138C Digital Imagery 3 hrs
- DIG 4780C Modeling for Realtime Systems 3 hrs
- DIG 4855 Converging Media Capstone 3 hrs
- ENC 4415 Digital Rhetorics and The Modern Dialectic 3 hrs
- MUC 3111 MIDI Sequencing II 3 hrs

6. Capstone Requirements (6 hrs)

- FIL 4434C Capstone I 3 hrs
- FIL 4573C Capstone II 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.
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
- A student must maintain an overall average of a “B” (3.0) or better in major courses.
- Department of Film requires an exit interview.

Computer Competency met by one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Hours</th>
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<tbody>
<tr>
<td>CGS 1060C</td>
<td>Introduction to Computer Science or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 2552C</td>
<td>Editing I or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 1060C</td>
<td>Basic Statistics Using Microsoft Excel</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division course 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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors in Major
- None

Related Programs
- Art
- Digital Media
- English - Creative Writing
- Film - Cinema Studies Track
- Film - World Cinema Track
- Music
- Radio - Television
- Theatre

Certificates
- None

Related Minors
- Art - Studio
- Digital Media
- English - Creative Writing
- Film - Cinema Studies
- Music
- Theatre

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges 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 still 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**
- ENC 1101 Composition I 3 hrs
- FIL 1007 Foundations of Story 3 hrs
- FIL 1008 Cinematic Expression and Aesthetics 3 hrs
- FIL 1009 Cinematic Expression for Majors 3 hrs
- FIL 3922 Film Colloquium 1 hr
- GEP 3 hrs

**Freshman Year - Spring**
- ENC 1102 Composition II 3 hrs
- FIL 2030 History of Motion Pictures 3 hrs
- FIL 2107 Script Analysis 3 hrs
- FIL 3922 Film Colloquium 1 hr
- GEP 3 hrs

**Sophomore Year - Fall**
- FIL 3115 Short Script I 3 hrs
- FIL 3427C Introduction to Film Production 3 hrs
- FIL 3803C Film Theory and Criticism I 3 hrs
- FIL 3922 Film Colloquium 1 hr
- GEP 3 hrs

**Sophomore Year - Spring**
- FIL 2480 Directing for Film I 3 hrs
- FIL 2481 Directing the Actor for Film I 3 hrs
- FIL 2552C Editing I 3 hrs
- FIL 3922 Film Colloquium 1 hr
- GEP 3 hrs

**Junior Year - Fall**
- DIG 2000 Introduction to Digital Media 3 hrs
- FIL 2461 Cinematography I 3 hrs
- FIL 3036 Film History I 3 hrs
- FIL 3534 Sound Design for Film I 3 hrs
- FIL 3922 Film Colloquium 1 hr
- FIL 4486C Directing for Film II 3 hrs

**Junior Year - Spring**
- FIL 3037 Film History II 3 hrs
- FIL 3132 Short Script II 3 hrs
- FIL 3922 Film Colloquium 1 hr
- FIL 4647 Film Production Management 3 hrs
- FIL 4661 The Film Producer 3 hrs
- FIL XXXX - Elective

**Senior Year - Fall**
- FIL 4434C Capstone I 3 hrs
- FIL XXXX - Elective
- FIL XXXX - Elective

**Senior Year - Spring**
- FIL 4573C Capstone II 3 hrs
- FIL XXXX - Elective

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: $45 per term
- Full-Time Student: $90 per term
Film - Cinema Studies Track (B.A.)

College of Arts and Humanities
Department of Film, Nicholson School of Communication, Room: 121
http://www.film.cah.ucf.edu
E-mail: film@mail.ucf.edu
Mr. Steve Schlow, 407-823-2845
Phone: 407-823-4285

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 a departmental advisor each semester.
■ 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)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
      Prefer FIL 2030 History of Motion Pictures 3 hrs
      Prefer one course from 1.B.1 list 3 hrs
      Prefer one course from 1.B.1 or 1.B.2 list 3 hrs
   C: Mathematical Foundations (6 hrs)
      1 Suggested MGF 1106 Finite Mathematics 3 hrs

   Select 1: (3 hrs)
   Prefer CGS 1060C Introduction to Computer Science or STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
   Prefer FIL 1007 Foundations of Story 3 hrs
   Select three courses from the following upper level FIL courses:

   - FIL 1007 Foundations of Story 3 hrs
   - FIL 2030 History of Motion Pictures GEP
   - FIL 3036 Film History I 3 hrs
   - FIL 3037 Film History II 3 hrs
   - FIL 3051 Avant-Garde Cinema 3 hrs
   - FIL 3083C Film Documentary 3 hrs
   - FIL 3462C Cinematic Expression 3 hrs
   - FIL 3803C Film Theory and Criticism I 3 hrs
   - FIL 3804C Film Theory and Criticism II 3 hrs
   - FIL 3826 American Cinema 3 hrs
   - FIL 3845 World Cinema Traditions 3 hrs
   - FIL 4661 The Film Producer 3 hrs

2. Common Program Prerequisites (CPP) (3 hrs)
   1 Suggested STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
   Prefer CGS 1060C Introduction to Computer Science 3 hrs
   Prefer one course from 1.B.1 list 3 hrs
   Prefer one course from 1.B.1 or 1.B.2 list 3 hrs
   Select three courses from the following upper level FIL courses:

   - FIL 1007 Foundations of Story 3 hrs
   - FIL 2030 History of Motion Pictures GEP
   - FIL 3036 Film History I 3 hrs
   - FIL 3037 Film History II 3 hrs
   - FIL 3051 Avant-Garde Cinema 3 hrs
   - FIL 3083C Film Documentary 3 hrs
   - FIL 3462C Cinematic Expression 3 hrs
   - FIL 3803C Film Theory and Criticism I 3 hrs
   - FIL 3804C Film Theory and Criticism II 3 hrs
   - FIL 3826 American Cinema 3 hrs
   - FIL 3845 World Cinema Traditions 3 hrs
   - FIL 4661 The Film Producer 3 hrs

3. Core Requirements: Basic Level (12 hrs)
   DIG 2000 Introduction to Digital Media 3 hrs
   FIL 1008 Cinematic Expression/Aesthetics 3 hrs
   FIL 2107 Script Analysis 3 hrs
   FIL 2423 Foundations of Production 3 hrs

4. Core Requirements: Advanced Level (36 hrs)
   FIL 3006 Art of the Cinema 3 hrs
   FIL 3036 Film History I 3 hrs
   FIL 3037 Film History II 3 hrs
   FIL 3051 Avant-Garde Cinema 3 hrs
   FIL 3083C Film Documentary 3 hrs
   FIL 3462C Cinematic Expression 3 hrs
   FIL 3803C Film Theory and Criticism I 3 hrs
   FIL 3804C Film Theory and Criticism II 3 hrs
   FIL 3826 American Cinema 3 hrs
   FIL 3845 World Cinema Traditions 3 hrs
   FIL 4661 The Film Producer 3 hrs

Select 1: 3 hrs
   FIL 3102 Writing for Film and TV or 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
     DIG 4704 Interactive Entertainment 3 hrs
     DIG 4855 Converging Media Capstone 3 hrs
     FIL 3041 History of Animated Films I 3 hrs
     FIL 3820 Italian Film 3 hrs
     FIL 3822 French Film 3 hrs
     FIL 3823 German Film 3 hrs
     FIL 3824 Italian Neo-Realist Cinema 3 hrs
     FIL 3831 Black Cinema 3 hrs
     FIL 3841 French New Wave Cinema 3 hrs
     FIL 3842 International Cinema 3 hrs
     FIL 3847 Latin American Cinema 3 hrs
     FIL 3850 Cinema Directors 3 hrs
     FIL 3852 Cinema Criticism Writing 3 hrs
     FIL 3871 The American Film Artist 3 hrs
     FIL 3880C Images of Women in Film 3 hrs
     FIL 4436 Film Theory/Film Production 3 hrs
     FIL 4906 Directed Independent Study 3 hrs
     FIL 5612 Film and Internet Business 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:
   - FIL 1008 Cinematic Expression/Aesthetics 3 hrs
   - ST 1080C Introduction to Digital Media 3 hrs
   - FIL 3006 Art of the Cinema 3 hrs
   - FIL 3036 Film History I 3 hrs
   - FIL 3037 Film History II 3 hrs
   - FIL 3051 Avant-Garde Cinema 3 hrs
   - FIL 3083C Film Documentary 3 hrs
   - FIL 3462C Cinematic Expression 3 hrs
   - FIL 3803C Film Theory and Criticism I 3 hrs
   - FIL 3804C Film Theory and Criticism II 3 hrs
   - FIL 3826 American Cinema 3 hrs
   - FIL 3845 World Cinema Traditions 3 hrs
   - FIL 4661 The Film Producer 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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
■ 120

Honors in Major
■ None
Related Programs
- Art
- English - Creative Writing
- Film
- Film - World Cinema Track
- Music
- Radio - Television
- Theatre

Certificates
- None

Related Minors
- Art - Studio
- English - Creative Writing
- Music
- Theatre

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges 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
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
ENC 1101 Composition I 3 hrs
FIL 1007 Foundations of Story 3 hrs
FIL 2030 History of Motion Pictures 3 hrs
Foreign Language I 4 hrs

Freshman Year - Spring
ENC 1102 Composition II 3 hrs
FIL 1009 Cinematic Expression/Aesthetics 3 hrs
FIL 2107 Script Analysis 3 hrs
Foreign Language II 4 hrs

Freshman Year - Summer
GEP 3 hrs
GEP 3 hrs
GEP 3 hrs

Sophomore Year - Fall
FIL 2423 Foundations of Production 3 hrs
FIL 3006 Art of the Cinema 3 hrs
FIL 3036 Film History I 3 hrs
GEP 3 hrs
GEP 3 hrs

Sophomore Year - Spring
DIG 2000 Introduction to Digital Media 3 hrs
FIL 3037 Film History II 3 hrs

Take one of the following
- FIL 3102 Writing for Film and TV or
- FIL 3115 Short Script I 3 hrs

GEP 3 hrs
GEP 3 hrs

Junior Year - Fall
FIL 3363C Film Documentary 3 hrs
FIL 3803C Film Theory and Criticism I 3 hrs
FIL XXXX - Elective 3 hrs
GEP 3 hrs
Minor 3 hrs

Junior Year - Spring
FIL 3452C Cinematic Expression 3 hrs
FIL 3804C Film Theory and Criticism II 3 hrs
FIL 4661 The Film Producer 3 hrs
GEP 3 hrs
Minor 3 hrs

Senior Year - Fall
FIL 3826 American Cinema 3 hrs
FIL 3845 World Cinema Traditions 3 hrs
FIL XXXX - Elective 3 hrs
Minor 6 hrs

Senior Year - Spring
FIL 3051 Avant-Garde Cinema 3 hrs
FIL XXXX - Elective 3 hrs
Minor 6 hrs

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: $45 per term
- Full-Time Student: $90 per term

Film - World Cinema Track (B.A.)
College of Arts and Humanities
Department of Film, Nicholson School of Communication, Room: 121
http://www.film.ucf.edu
E-mail: film@mail.ucf.edu
Mr. Steve Schlow
Phone: 407-823-2845

Admission Requirements
- The Film-World Cinema track is a limited access program.
- Students must attain an overall minimum 2.5 GPA before applying.
- Students should apply to become Film majors only after completing all requirements for admission to the University.
- A portfolio and an interview are required for entry into the Film World Cinema track.

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 courses within the major.
- A maximum of three credit hours on 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 should consult with a departmental advisor.
- All students are required to pay a fee for equipment insurance.
- Departmental residency requirement consists of at least 24 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)
A: Communication Foundations (9 hrs)
## UCF Degree Programs

### B: Cultural & Historical Foundations
- Prefer FIL 2030 History of Motion Pictures 3 hrs
- Prefer one course from 1.B.1 list 3 hrs
- Prefer one course from 1.B.1 or 1.B.2 list 3 hrs

### C: Mathematical Foundations
- 1. Prefer MGF 1106 Finite Mathematics 3 hrs

#### Select 1:
- Prefer CGS 1060C Introduction to Computer Science or 3 hrs
- Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

1. (May substitute a higher level math)

### D: Social Foundations

### E: Science Foundations

### 2. Common Program Prerequisites (CPP)
- See “Common Prerequisites” in the Transfer and Transitions section for more information.
- 1. FIL 1007 Foundations of Story 3 hrs
- 1. FIL 2030 History of Motion Pictures GEP

### 3. Core Requirements: Basic Level
- DIG 2000 Introduction to Digital Media 3 hrs
- FIL 1009 Cinematic Expression for Majors 3 hrs
- FIL 2107 Script Analysis 3 hrs
- FIL 2461 Cinematography I 3 hrs
- FIL 2480 Directing for Film I 3 hrs
- FIL 2552C Editing I 3 hrs

### 4. Core Requirements: Advanced Level
- FIL 3036 Film History I 3 hrs
- FIL 3115 Short Script I 3 hrs
- FIL 3304C Documentary Vision 3 hrs
- FIL 3307 Docudrama 3 hrs
- FIL 3363C Film Documentary 3 hrs
- FIL 3427C Introduction to Film Production 3 hrs
- FIL 3534 Sound Design for Film I 3 hrs
- FIL 3803C Film Theory and Criticism I 3 hrs
- FIL 3845 World Cinema Traditions 3 hrs
- FIL 4301C Documentary Workshop I 3 hrs
- FIL 4302C Documentary Workshop II 3 hrs
- FIL 4602 Film Business 3 hrs
- FIL 4647 Film Production Management 3 hrs

### 5. Restricted Electives

#### Select 3:
- Additional courses may be acceptable. Consult your advisor.
- FIL 3804C Film Theory and Criticism II or 3 hrs
- FIL 3847 Latin American Cinema or 3 hrs
- FIL 4661 The Film Producer or 3 hrs
- FIL 4808 Images and Text in Context or 3 hrs
- FIL 4844 Africana Cinema 3 hrs

### 6. Capstone Requirements

#### Select 1:
- FIL 4434C Capstone I 3 hrs
- FIL 4573C Capstone II 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 Foreign 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.

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### 9. Additional Requirements
- None

### 10. Required Minors
- None

### 11. Departmental Exit Requirements
- A student must maintain an overall average of “B” (3.0) or better in courses within the major.
- Department of Film requires a passing grade on an exit examination.
- Computer Competency met by one of the following:
  - CGS 1060C Introduction to Computer Science 3 hrs
  - FIL 2552C Editing I 3 hrs
  - STA 1060C 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, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required
- 120

### Honors in Major
- None

### Related Programs
- Art
- Digital Media
- English - Creative Writing
- Film
- Film - Cinema Studies Track
- Music
- Radio - Television
- Theatre

### Certificates
- None

### Related Minors
- African American Studies
- Asian Studies
- Digital Media
- English - Creative Writing
- Film - Cinema Studies
- International and Global Studies
- Latin American Area Studies
- Women’s Studies

### Advising Notes
- None

### Transfer Notes
- Courses taken at community colleges 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
  - 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
- None
Finance (B.S.B.A.)

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/
Phone: 407-823-3575

Not eligible for a double degree with another College or Business Administration major.

Admission Requirements

- Completion of the UCF General Education Program, Golden Rule, and CLAS or an AA degree from a Florida public community college
- See Common Program Prerequisites

Degree Requirements

- Students who change their degree programs should adopt the most current catalog.
- Only grades “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.
- Final exams will be given during exam week.
- Any student receiving a degree must complete one half (30) of the 60 hours of 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.
- A maximum of 6 hours of required or elective coursework (from Required Courses and Restricted Electives below) can count toward another major or minor degree program.
- Students must earn at least a 2.0 GPA in the major and CBA.
- Students majoring in finance must earn a grade of “C” (2.0) or better in each course applied toward the major, and a 2.0 overall average in the major. The following is included in this requirement:

  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: MAC 1140 Pre-Calculus Algebra 3 hrs

D: Social Foundations (6 hrs)
- Select 1:
  - Suggested: ECO 2013 Principles of Macroeconomics or 3 hrs
  - Suggested: ECO 2023 Principles of Microeconomics 3 hrs
- Select 2:
  - Suggested: ANT 2000 General Anthropology or 3 hrs
  - Suggested: PSY 2012 General Psychology or 3 hrs
  - Suggested: SYG 2000 Introduction to Sociology 3 hrs

2. Common Program Prerequisites (CPP) (18 hrs)
- Must be completed with a “C” (2.0) or better.
- See “Common Prerequisites” in the Transfer and Transitions services section for more information.

AGC 2021 Principles of Financial Accounting 3 hrs
AGC 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
  MAC 2233 Concepts of Calculus and
  STA 2023 Statistical Methods I 3 hrs

3. Core Requirements: Basic Level (32 hrs)

First or subsequent semester in the College of Business Administration:

BUL 3130 Legal and Ethical Environment of Business 4 hrs
ECO 3411 Quantitative Business Tools I 4 hrs
FIN 3403C Business Finance 4 hrs

1. Required in 1st or 2nd semester.

2. Common Program Prerequisites (CPP) (18 hrs)

3. Core Requirements: Basic Level (32 hrs)

4. Core Requirements: Advanced Level (18 hrs)

5. Restricted Electives (6 hrs)

Select 2:
- ACG 3131 Financial Accounting Concepts and Analysis or
- ACG 3141 Intermediate Financial Accounting II or
- ACG 3361 Cost Accounting I or
- ECO 4412 Econometrics or
- FIN 3461 Financial Statement Analysis or
- FIN 4324 Commercial Bank Management or
- FIN 4424 Advanced Topics in Financial Management or
- FIN 4514 Portfolio Analysis and Management or
- FIN 4533 Financial Derivatives or
- FIN 4604 International Financial Management or
- FIN 4903H Honors Directed Reading I or
- FIN 4906 Directed Independent Study or
- FIN 4941 Finance Internship or
- FIN 4970H Undergraduate Honors Thesis or
- GEB 4374 International Negotiations and Transactions or
- MAR 3391 Professional Selling or
- MAR 4303 Fundamentals of Real Estate or
- MAR 4333 Real Estate Law or
- REE 3433 Real Estate Appraisal and Valuation or
- REE 4203 Commercial Real Estate Finance or
- REE 4203
UCF Degree Programs

RE 4204    Residential Real Estate Finance or  3 hrs
RE 4303    Real Estate Investment Analysis or  3 hrs
RE 4732    Real Estate Development or  3 hrs
RE 4933    Advanced Topics in Real Estate or  3 hrs
TAX 4001    Taxation of Business Entities and Transactions  3 hrs

1 Must be in the UCF Honors in the Major Program. See http://www.honors.ucf.edu/ for details.

6. Capstone Requirements (4 hrs)
   MAN 4720    Strategic Management  4 hrs
   This course should be taken in the graduating term and requires the following prerequisites:
   FIN 3403C    Business Finance  4 hrs
   GEB 3031    Cornerstone: Professional Skills for Business  3 hrs
   MAN 3025    Management of Organizations  4 hrs
   MAR 3023    Marketing  4 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
    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 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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120

Honors In Major
   None

Related Programs
   None

Certificates
   Finance: Banking
   Finance: Corporate Finance
   Finance: Investments

Related Minors
   None

Advising Notes
   Florida Public Community College 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
   Courses taken at community colleges 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 II.
   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.

Acceptable Substitutes for Transfer Courses
   None

Plan of Study
   Must complete nine hours in a summer semester
   General electives as required to reach 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 1105    College Algebra  3 hrs
   SPC 1608    Fundamentals of Oral Communication  3 hrs
   Cult-Hist I  3 hrs
   Elective  3 hrs

Freshman Year - Spring 15 hrs
   CGS 2100C    Computer Fundamentals for Business  3 hrs
   ENC 1102    Composition II  3 hrs
   Cult-Hist II  3 hrs
   Art/Music/Lit  3 hrs
   Elective  3 hrs

Sophomore Year - Fall 15 hrs
   ACG 2021    Principles of Financial Accounting  3 hrs
   ECO 2013    Principles of Macroeconomics  3 hrs
   Science  3 hrs
   Psy/Ant/Soc  3 hrs
   Elective  3 hrs

Sophomore Year - Spring 15 hrs
   ACG 2071    Principles of Managerial Accounting  3 hrs
   ECO 2023    Principles of Microeconomics  3 hrs
   ECO 3401    Quantitative Business Tools I  3 hrs
   Science  3 hrs
   Elective  3 hrs

Junior Year - Fall 16 hrs
   FIN 3403C    Business Finance  4 hrs
   GEB 3031    Cornerstone: Professional Skills for Business  3 hrs
   GEB 3375    Introduction to International Business  4 hrs
   MAR 3023    Marketing  4 hrs

Junior Year - Spring 17 hrs
   ECO 3411    Quantitative Business Tools II  4 hrs
   FIN 3303    Financial Markets  3 hrs
   FIN 3414    Intermediate Corporate Finance  3 hrs
   FIN 3504    Investment Analysis  3 hrs
   MAN 3025    Management of Organizations  4 hrs

Senior Year - Fall 14 hrs
   BUL 3130    Legal and Ethical Environment of Business  4 hrs
   ISM 3011C    Essentials of Management Information Systems  4 hrs
   Elective  3 hrs
   Elective  3 hrs
Foreign Language Education - French (B.S.)

College of Education

Department of Teaching and Learning Principles,
Education Building, Room: 209
http://www.education.ucf.edu/language

Dr. Karen Verkler, ED 220L, kverkler@mail.ucf.edu
Dr. Janet Andreasen, ED 123Q, jandreas@mail.ucf.edu, Phone: 407-823-5235

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university
- Have a minimum 2.5 overall GPA
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted)
- 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

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.
- 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.

   A: Communication Foundations (9 hrs)
   - Required ENC 1101 Composition I 3 hrs
   - Required ENC 1102 Composition II 3 hrs
   - Prefer SPC 1008 Fundamentals of Oral Communication 3 hrs

   B: Cultural & Historical Foundations (9 hrs)
   - Prefer AMH 2010 U.S. History: 1492-1877 3 hrs
   - Prefer AMH 2020 U.S. History: 1877-Present 3 hrs
   - Prefer PHI 2010 Introduction to Philosophy 3 hrs

   C: Mathematical Foundations (6 hrs)
   - Select 1: 3 hrs
     - Prefer STA 1060C Basic Statistics Using Microsoft Excel or
     - Prefer STA 2014C Principles of Statistics 3 hrs
   - Select 1: 3 hrs
     - Suggested MGF 1106 Finite Mathematics or
     - Suggested MGF 1107 Explorations in Mathematics 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

Select 1:
- Prefer ANT 2511 The Human Species or
- 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 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

   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.

3. Core Requirements: Basic Level (6 hrs)
- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- FRE 2201 Intermediate French Language and Civilization I 3 hrs

4. Core Requirements: Advanced Level (69 hrs)

   Education Core Requirements 18 hrs
   - Prefer EME 4467 Learning Theory and Assessment 3 hrs
   - Prefer EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
   - Prefer EDF 4410 Teaching Strategies and Classroom Management 3 hrs
   - Prefer EEX 4242 Teaching Exceptional Students in Secondary Settings 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

   1 Required prior to Internship I
   2 Community College transfer students may substitute EEX 2010 Introduction to Special Education.

Internship I 3 hrs
- Program Internship I Prerequisites: EDF 4410, EDF 4467, FRE 4421, FRE 4422, 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.
- 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

Specialization Requirements 33 hrs
- 1 FLE 4314 Foreign Language Teaching in Elementary Schools 3 hrs
- 1 FLE 4333 Foreign Language Teaching in the Secondary School 3 hrs
- FRE 3300 French Grammar 3 hrs
- FRE 3420 French Composition 3 hrs
- FRE 3760 Advanced French Oral Communication 3 hrs
- 2 FRE 4421 Advanced French Conversation 3 hrs
- 2 FRE 4422 Advanced French Composition 3 hrs
- FRW 3100 Survey of French Literature I 3 hrs
- FRW 3101 Survey of French Literature II 3 hrs
- Upper division restricted electives (FRE/FRW 3/4XXX with advisor’s consent) 6 hrs

1 Required prior to Internship I
2 FRE 3410 and FRE 3423 may substitute for FRE 4421 and FRE 4422.
UCF Degree Programs

Other Cognate Requirements (Linguistics) 3 hrs
FRE 3780 French Phonetics and Diction 3 hrs

Internship II 12 hrs
- 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. 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.
- Passing score on the Subject Area Examination (French K-12) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended 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.
- FLE 4941 Internship 12 hrs

5. Restricted Electives (0 hrs)
- 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.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- Pass all applicable sections of the Florida Teacher Certification 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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- 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.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- Pass all applicable sections of the Florida Teacher Certification 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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- 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.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- Pass all applicable sections of the Florida Teacher Certification 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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None
Junior Year - Summer 9 hrs
1 EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools
FLE 4314 Foreign Language Teaching in Elementary Schools 3 hrs
FLE 4333 Foreign Language Teaching in the Secondary School 3 hrs

1 This course may be taken in the Fall of the senior year with consent of instructor.

Senior Year - Fall 12 hrs
FLE 3940 Internship 3 hrs
FRE 4241 Advanced French Conversation 3 hrs
Two upper division restricted electives (FRE/FRW 3/4XXX) 6 hrs

Senior Year - Spring 12 hrs
FLE 4941 Internship 12 hrs

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

Foreign Language Education - Spanish (B.S.)
College of Education
Department of Teaching and Learning Principles, Education Building, Room: 209
http://www.education.ucf.edu/language
E-mail: kverklr@mail.ucf.edu
Dr. Karen Verklr, ED 220L
Dr. Janet Andreassen, ED 123Q, jandreas@mail.ucf.edu,
407-823-5430
Phone: 407-823-5235

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university.
- Have a minimum 2.5 overall GPA.
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).
- 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.

Degree Requirements
- Students should see an advisor prior to registering for classes.
- The courses designated in 1 (UCF General Education Program) are required prior to admission to the major and upper division education courses.
- 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.

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
Prefer AMH 2020 U.S. History: 1877-Present 3 hrs
Prefer PHI 1010 Introduction to Philosophy 3 hrs

C: Mathematical Foundations (6 hrs)
Prefer MGF 1106 Finite Mathematics 3 hrs

Select 1: 6 hrs
- Prefer STA 1060C Basic Statistics Using Microsoft Excel 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 (6 hrs)
- Prefer PSC 1014 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) (9 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

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.

3. Core Requirements: Basic Level (6 hrs)

Other Program Requirements 6 hrs
EDF 2130 Child and Adolescent Development for Educators 3 hrs
SPN 2201 Intermediate Spanish Language and Civilization II 3 hrs

4. Core Requirements: Advanced Level (69 hrs)

Education Core Requirements 18 hrs
- 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.

EDF 4467 Learning Theory and Assessment 3 hrs
EDF 4603 Analysis and Application of Ethical, 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 4043 Content Reading in Kindergarten through Grade 12 3 hrs
TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

1 Required prior to Internship I.
2 Community College transfer students may substitute EEX 2010 Introduction to Special Education.

Internship I 3 hrs
- 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.
- 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
UCF Degree Programs

Specialization Requirements 27 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLE 4314 Foreign Language Teaching in Elementary Schools</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FLE 4333 Foreign Language Teaching in the Secondary School</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPN 3300 Advanced Spanish Grammar and Composition</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPN 3344 Advanced Spanish Native Fluency I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPN 3345 Advanced Spanish Native Fluency II</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>
<tr>
<td>SPW 3100 Survey of Spanish Literature I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPW 3101 Survey of Spanish Literature II</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 6 hrs

- Community college transfer students may substitute lower division restricted electives.
- Select two upper division Spanish courses (SPN 3/4XXX) 6 hrs with advisor’s consent. The following courses are recommended:
  - SPN 4410 Advanced Spanish Conversation 3 hrs
  - SPN 4421 Advanced Spanish Composition 3 hrs
  - SPN 4510 Spanish Civilization and Culture 3 hrs
  - SPN 4520 Latin American Civilization and Culture 3 hrs

Other Cognate Requirements 3 hrs

Select 1:

- SPN 3852 Bilinguismo or 3 hrs
- SPN 4800 Spanish-American Syntax or 3 hrs
- SPN 4801 Spanish Morphosyntax 3 hrs

Internship II Block 12 hrs

- 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 score on the Subject Area Examination (Spanish K-12) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended 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.
- 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.
- SPN 4941 Internship 12 hrs

5. Restricted Electives (0 hrs)

- None

6. Capstone Electives

- 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.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- Pass all applicable sections of the Florida Teacher Certification 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, the CLAS and nine hours of Summer credit (if applicable)

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

- 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

Freshman Year - Spring 12 hrs

- EDF 2085 Introduction to Diversity for Educators 3 hrs
- ENC 1102 Composition II 3 hrs
- POS 2041 American National Government 3 hrs
- PSC 1121 Physical Science 3 hrs

Freshman Year - Summer 3 hrs

- EME 2040 Introduction to Technology for Educators 3 hrs

Sophomore Year - Fall 15 hrs

- AMH 2010 U.S. History; 1492-1877 3 hrs
- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

Select 1:

- STA 1060C Basic Statistics Using Microsoft Excel or 3 hrs
- STA 2014C Principles of Statistics 3 hrs

1. Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

Sophomore Year - Spring 12 hrs

- AMH 2020 U.S. History; 1877-Present 3 hrs
- PHI 2010 Introduction to Philosophy 3 hrs
- SPN 3234 Advanced Directed Readings 3 hrs
**UCF Degree Programs**

**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 selected to complete categories 4 and 5 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)
     - Required ENC 1101 Composition I 3 hrs
     - Required ENC 1102 Composition II 3 hrs
     - Prefer SPC 1603 Fundamentals of Technical Presentations 3 hrs
   - **B: Cultural & Historical Foundations** (9 hrs)
   - **C: Mathematical Foundations** (7 hrs)
     - Required MAC 2311 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)
     - Required BSC 2010C Biology I 4 hrs
     - Required PHY 2049C Physics for Engineers & Scientists 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**
   - **CHM 2045C Chemistry Fundamentals I 4 hrs**
   - **CHM 2046 Organic Chemistry II 3 hrs**
   - **CHM 2046L Chemistry Fundamentals Laboratory 1 hr**
   - **MAC 2311 Calculus with Analytic Geometry I 4 hrs**
   - **MAC 2312 Calculus with Analytic Geometry II 4 hrs**
   - **PHY 2048C Physics for Engineers & Scientists I 4 hrs**
   - **PHY 2049C Physics for Engineers & Scientists II 4 hrs**

**NOTE:** These courses are considered to be equivalents:
- CHM 2045C Chemistry Fundamentals I 4 hrs
- CHM 2046 Organic Chemistry II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs

3. **Core Requirements: Basic Level** (18 hrs)
   - **Core Science and Math Requirements** 18 hrs
     - **BSC 2010C Biology I 4 hrs**
     - **CHM 2045C Chemistry Fundamentals I 4 hrs**
     - **CHM 2046 Organic Chemistry II 3 hrs**
     - **CHM 2211L Organic Chemistry Laboratory 2 hrs**
     - **CHM 3120L Analytical Chemistry Laboratory 1 hr**
     - **MAC 2311 Calculus with Analytic Geometry I 4 hrs**
     - **MAC 2312 Calculus with Analytic Geometry II 4 hrs**
     - **PCB 3063 Genetics 3 hrs**
     - **PCB 3233 Immunology 3 hrs**
     - **PHY 2048C Physics for Engineers & Scientists I 4 hrs**
     - **PHY 2049C Physics for Engineers & Scientists II 4 hrs**
     - **STA 2023 Statistical Methods I 3 hrs**

**Forensic Science - Analysis Track (B.S.)**

**College of Sciences**

**Department of Chemistry, Chemistry, Room: 306A**

**http://chemistry.cos.ucf.edu/**

**E-mail:** chemistry@ucf.edu

Dr. G. Mattson, mattson@mail.ucf.edu, 407-823-1522

**Phone:** 407-823-2246

**Admission Requirements**
- 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)
4. Core Requirements: Advanced Level (34 hrs)

A. Forensic Science Core: 18 hrs
   - CHS 3501 Introduction to Forensic Science 3 hrs
   - CHS 3505C Forensic Microscopy 4 hrs
   - CHS 3533 Forensic Biochemistry I 2 hrs
   - CHS 3595 Forensic Science in the Courtroom 3 hrs
   - CHS 4537 Forensic Laboratory Quality Assurance 2 hrs
   - CHS 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 12 hours from the following:
   - Note: Substitutions require prior approval by the department.
   - ANT 4521C Forensic Anthropology 3 hrs
   - BCH 4053 Biochemistry I 3 hrs
   - CHM 3212L Organic Laboratory Techniques II 2 hrs
   - CHM 4912 Directed Independent Research 1 hr
   - CHS 4506C Forensic Investigation Technology 3 hrs
   - CHS 4515C Forensic Crime Scene Investigation 4 hrs
   - CHS 4547C Advanced Topics in Trace Analysis 3 hrs

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 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.
    - Achieve at least a minimum overall 2.5 GPA in all courses used to satisfy categories 2 and 3 of the departmental degree requirements.
    - Achieve at least a minimum overall 2.5 GPA in all courses used to satisfy categories 4 and 5 of the departmental degree requirements.
    - Computer Competency met by
      - CHS 3505C Forensic Microscopy 4 hrs
      - CHS 4537 Forensic Laboratory Quality Assurance 2 hrs
    - The last 30 credit hours of regularly scheduled courses that satisfy degree requirements must be taken in Residence at UCF
    - Before applying to graduate, the CLAS must be completed.

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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 124

Honors in Major
- None

Related Programs
- Chemistry
- Forensic Science - Biochemistry Track

Certificates
- None

Related Minors
- Chemistry

Advising Notes
- None

Transfer Notes
- Lower Division courses taken at community colleges 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 appropriate selections.
- Before registering for Chemistry, take Chemistry Placement Test – http://chemplacement.sdes.ucf.edu/
- Before registering for Math, take Math Placement Test – http://mathplacement.sdes.ucf.edu/

Freshman Year - Fall 15 hrs
- BSC 2010C Biology I 4 hrs
- MAC 2311L Calculus with Analytic Geometry I 4 hrs
- MAC 2311L Calculus with Analytic Geometry I 4 hrs

Sophomore Year - Fall 16 hrs
- GEP 3 hrs
- CHM 2210 Organic Chemistry I 3 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs
- SPC 1603 Fundamentals of Technical Presentations 3 hrs
- STA 2023 Statistical Methods I 3 hrs

Sophomore Year - Spring 14 hrs
- GEP 3 hrs
- Restricted Elective 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs
- ENC 1102 Composition II 3 hrs

Junior Year - Fall 14 hrs
- Free Elective 1 hr
- CHM 3120 Analytical Chemistry 3 hrs
- CHM 3511C Trace Evidence 4 hrs
- CHS 4537 Forensic Laboratory Quality Assurance 2 hrs
- PCB 3063 Genetics 3 hrs
### Forensic Science - Biochemistry Track (B.S.)

**College of Sciences**  
**Department of Chemistry, Chemistry, Room: 306A**  
**http://chemistry.cos.ucf.edu/**

**E-mail:** chemistry@ucf.edu  
Dr. G. Mattson, mattson@mail.ucf.edu, 407-823-1522  
Phone: 407-823-2246

### 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 selected to complete categories 4 and 5 will be enforced.
- **Courses** designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

### 1. UCF General Education Program (GEP)  
- **Certain courses** must be selected in the GEP for this major, which brings the GEP hours above 36.

<table>
<thead>
<tr>
<th>Senior Year - Spring</th>
<th>16 hrs</th>
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<tbody>
<tr>
<td>GEP</td>
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<tr>
<td>Restricted Elective</td>
<td>1 hr</td>
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<tr>
<td>Free Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 3422</td>
<td>Applied Physical Chemistry 3 hrs</td>
</tr>
<tr>
<td>CHS 3530C</td>
<td>Forensic Analysis of Controlled Substances 4 hrs</td>
</tr>
<tr>
<td>CHS 3533</td>
<td>Forensic Biochemistry I 2 hrs</td>
</tr>
<tr>
<td>PCB 3233</td>
<td>Immunology 3 hrs</td>
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<table>
<thead>
<tr>
<th>Senior Year - Summer</th>
<th>4 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHS 4591</td>
<td>Forensic Science Internship 4 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

### 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, Chemistry, Room: 306A**  
**http://chemistry.cos.ucf.edu/**

**E-mail:** chemistry@ucf.edu  
Dr. G. Mattson, mattson@mail.ucf.edu, 407-823-1522  
Phone: 407-823-2246

**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 selected to complete categories 4 and 5 will be enforced.
- **Courses** designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

### 1. UCF General Education Program (GEP)
- **Certain courses** must be selected in the GEP for this major, which brings the GEP hours above 36.

<table>
<thead>
<tr>
<th>Junior Year - Spring</th>
<th>14 hrs</th>
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</thead>
<tbody>
<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 4130</td>
<td>Advanced Analytical Laboratory Technique 3 hrs</td>
</tr>
<tr>
<td>CHM 4130L</td>
<td>Advanced Analytical Chemistry Laboratory 2 hrs</td>
</tr>
<tr>
<td>CHS 3595</td>
<td>Forensic Science in the Courtroom 3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Senior Year - Fall</th>
<th>16 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Free Elective</td>
<td>1 hr</td>
</tr>
<tr>
<td>CHM 3422</td>
<td>Applied Physical Chemistry 3 hrs</td>
</tr>
<tr>
<td>CHS 3530C</td>
<td>Forensic Analysis of Controlled Substances 4 hrs</td>
</tr>
<tr>
<td>CHS 3533</td>
<td>Forensic Biochemistry I 2 hrs</td>
</tr>
<tr>
<td>PCB 3233</td>
<td>Immunology 3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Senior Year - Summer</th>
<th>4 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHS 4591</td>
<td>Forensic Science Internship 4 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

### Equipment Fees
- **Part-Time Student:** $45 per term  
- **Full-Time Student:** $90 per term

### Forensic Science - Biochemistry Track (B.S.)

<table>
<thead>
<tr>
<th>Core Science and Mathematics Requirements</th>
<th>(9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 2010C Biology I</td>
<td>GEP</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>CHM 3120 Analytical Chemistry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 3120L Analytical Chemistry Laboratory</td>
<td>1 hr</td>
</tr>
<tr>
<td>MAC 2311 Calculus with Analytic Geometry I</td>
<td>GEP</td>
</tr>
<tr>
<td>MAC 2312 Calculus with Analytic Geometry II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PHY 2048C Physics for Engineers &amp; Scientists I</td>
<td>GEP</td>
</tr>
<tr>
<td>PHY 2049C Physics for Engineers and Scientists II</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

**NOTE:** These courses are considered to be equivalents:

- **CHM 2045C** Chemistry Fundamentals I  
  - 4 hrs

  **or - students** with little chemistry background should take this year long equivalent instead.

- **CHM 2041C** Chemistry Fundamentals IB  
  - 3 hrs

### 3. Core Requirements: Basic Level  
- **(20 hrs)**

<table>
<thead>
<tr>
<th>Core Science and Mathematics Requirements</th>
<th>(16 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 2010C Biology I</td>
<td>GEP</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>CHM 3120 Analytical Chemistry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 3120L Analytical Chemistry Laboratory</td>
<td>1 hr</td>
</tr>
<tr>
<td>MAC 2311 Calculus with Analytic Geometry I</td>
<td>GEP</td>
</tr>
<tr>
<td>MAC 2312 Calculus with Analytic Geometry II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PCB 3063 Genetics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 3063L Genetics Laboratory</td>
<td>1 hr</td>
</tr>
<tr>
<td>PCB 3233 Immunology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 3233L Immunology Laboratory</td>
<td>1 hr</td>
</tr>
<tr>
<td>PHY 2048C Physics for Engineers &amp; Scientists I</td>
<td>GEP/</td>
</tr>
<tr>
<td>PHY 2049C Physics for Engineers and Scientists II</td>
<td>GEP</td>
</tr>
<tr>
<td>STA 2023 Statistical Methods I</td>
<td>GEP</td>
</tr>
</tbody>
</table>

### 4. Core Requirements: Advanced Level  
- **(45 hrs)**

<table>
<thead>
<tr>
<th>Core Science and Mathematics Requirements</th>
<th>(45 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 3403C Quantitative Biological Methods</td>
<td>GEP</td>
</tr>
<tr>
<td>BSC 4053 Biochemistry I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BSC 4054 Biochemistry II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BSC 4103L Biochemical Methods</td>
<td>2 hrs</td>
</tr>
<tr>
<td>CHM 2041C Chemistry Fundamentals IB</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHS 3533 Forensic Biochemistry I</td>
<td>2 hrs</td>
</tr>
<tr>
<td>CHS 3595 Forensic Science in the Courtroom</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHS 4537 Forensic Laboratory Quality Assurance</td>
<td>2 hrs</td>
</tr>
<tr>
<td>CHS 4591 Forensic Science Internship</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

### 5. Restricted Electives  
- **(3 hrs)**

<table>
<thead>
<tr>
<th>Core Science and Mathematics Requirements</th>
<th>(3 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 3020C General Microbiology</td>
<td>5 hrs</td>
</tr>
<tr>
<td>PCB 4522 Molecular Biology II</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 6. Capstone Requirements  
- **None**

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**UNIVERSITY OF CENTRAL FLORIDA**  
**Undergraduate Catalog 2010-2011**  
**207**
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 consulting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements

- None

10. Required Requirements

- 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 departmental degree requirements.
- Achieve at least a minimum overall 2.5 GPA in all courses used to satisfy categories 2, 3, 4, and 5 of the departmental degree requirements.
- The last 30 credit hours of regularly scheduled courses that satisfy degree requirements must be taken in Residence at UCF.
- Before applying to graduate, the CLAS must be completely satisfied.
- Computer Competency met by the following:
  - CHS 3505C: Forensic Microscopy 4 hrs
  - CHS 4537: Forensic Laboratory Quality Assurance 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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

- 124

Honors in Major

- None

Related Programs

- Chemistry
- Forensic Science - Analysis Track
- Molecular Biology and Microbiology

Certificates

- None

Related Minors

- Chemistry
- Molecular Biology and Microbiology

Advising Notes

- None

Transfer Notes

- Lower Division courses taken at community colleges 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://chemplacement.sdes.ucf.edu/
- Before registering for Math, take Math Placement Test – http://mathplacement.sdes.ucf.edu/

Freshman Year - Fall

- BSC 2010C: Biology I 4 hrs
- CHM 2045C: Chemistry Fundamentals I 4 hrs
- ENC 1101: Composition I 3 hrs
- MAC 2311: Calculus with Analytic Geometry I 4 hrs

Freshman Year - Spring

- CHM 2046: Chemistry Fundamentals Laboratory 3 hrs
- CHM 2046L: Chemistry Fundamentals Laboratory 1 hr
- CHS 3501: Introduction to Forensic Science 3 hrs
- MAC 2312: Calculus with Analytic Geometry II 4 hrs
- PHY 2048C: Physics for Engineers & Scientists I 4 hrs

Sophomore Year - Fall

- CHM 2210: Organic Chemistry I 3 hrs
- PHY 2049C: Physics for Engineers and Scientists II 4 hrs
- SPC 1603: Fundamentals of Technical Presentations 3 hrs
- STA 2023: Statistical Methods I 3 hrs

Sophomore Year - Spring

- CHM 2211: Organic Chemistry II 3 hrs
- CHM 2211L: Organic Laboratory Techniques I 2 hrs
- MCB 3020C: General Microbiology 5 hrs

Junior Year - Fall

- Restricted Elective 3 hrs
- Free Elective 1 hr
- CHS 3505C: Forensic Microscopy 4 hrs
- CHS 4537: Forensic Laboratory Quality Assurance 2 hrs
- PCB 3053: Genetics 3 hrs
- PCB 3053L: Genetics Laboratory 1 hr

Junior Year - Spring

- GE 3 hrs
- CHM 3120: Analytical Chemistry 3 hrs
- CHM 3120L: Analytical Chemistry Laboratory 1 hr
- CHS 3595: Forensic Science in the Courtroom 3 hrs
- ENC 1102: Composition II 3 hrs

Senior Year - Fall

- BCH 4053: Biochemistry I 3 hrs
- CHS 3533: Forensic Biochemistry I 2 hrs
- CHS 3533L: Forensic Biochemistry I Laboratory 1 hr
- PCB 3233: Immunology 3 hrs
- PCB 3233L: Immunology Laboratory 1 hr
- PCB 3522: Molecular Biology I 3 hrs
- PCB 4524: Molecular Biology II 3 hrs

Senior Year - Spring

- GE 3 hrs
- BCH 4054: Biochemistry II 3 hrs
- BCH 4103L: Biochemical Methods 2 hrs
- BSC 3403C: Quantitative Biological Methods 4 hrs
- CHS 4534C: Forensic Biochemistry II 3 hrs

Senior Year - Summer

- 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.oelas.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: 523
http://mll.cah.ucf.edu/
Dr. Paul Giordano
Phone: 407-823-2472

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 may 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)
\[ \text{Required: MGF 1106 - Finite Mathematics} \ 3 \text{ hrs} \]
\[ \text{Prefer: STA 1060C - Basic Statistics Using Microsoft Excel} \ 3 \text{ hrs} \]
\[ \text{(may substitute a higher level math)} \]
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.
\[ \text{1 FRE 1120C - Elementary French Language and Civilization I} \ 4 \text{ hrs} \]
\[ \text{1 FRE 1121C - Elementary French Language and Civilization II} \ 4 \text{ hrs} \]
\[ \text{1 FRE 2200 - Intermediate French Language and Civilization I} \ 3 \text{ hrs} \]
\[ \text{1 FRE 2201 - Intermediate French Language and Civilization II} \ 3 \text{ hrs} \]
\[ ^1 \text{May be met by proficiency test or completion of FRE 2201} \]

3. Core Requirements: Basic Level (0 hrs)
- None

4. Core Requirements: Advanced Level (21 hrs)
\[ \text{FCL 3730 - Romance Philology} \ 3 \text{ hrs} \]
\[ \text{1 FRE 3300 - French Grammar} \ 3 \text{ hrs} \]
\[ \text{1 FRE 3780 - French Phonetics and Diction} \ 3 \text{ hrs} \]
\[ \text{FRW 3100 - Survey of French Literature I} \ 3 \text{ hrs} \]
\[ \text{Select 1:} \]
\[ \text{1 FRE 3420 - French Composition or} \ 3 \text{ hrs} \]
\[ \text{FRE 4422 - Advanced French Composition} \ 3 \text{ hrs} \]
\[ \text{Select 1:} \]
\[ \text{1 FRE 3760 - Advanced French Oral Communication or} \ 3 \text{ hrs} \]
\[ \text{FRE 4421 - Advanced French Conversation} \ 3 \text{ hrs} \]
\[ \text{Select 1:} \]
\[ \text{FRW 310L - Survey of French Literature II or} \ 3 \text{ hrs} \]
\[ \text{FRW 3770 - Francophone Literature} \ 3 \text{ hrs} \]
\[ ^1 \text{A native or near-native French speaker must substitute alternate upper division French courses in consultation with a departmental advisor.} \]

5. Restricted Electives (15 hrs)
- French literature beyond the survey level (taught in French)
- 6 hrs
- French courses
- 9 hrs

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
- Students must submit their portfolio to their French Faculty Advisor
- Computer Competency met by the following, or equivalent: CGS 1060C - Introduction to Computer Science

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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Modern Language Combination
- Spanish
UCF Degree Programs

Certificates
- None

Related Minors
- French
- German
- Italian
- Judaic Studies
- Latin American Area Studies
- Spanish

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges 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.

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

General Business (B.S.B.A.)

College of Business Administration
Department of Management,
Business Administration II, Room: 101
http://www.bus.ucf.edu/
E-mail: uss@bus.ucf.edu
Phone: 407-823-2184

Not eligible for a double degree with another College of Business Administration major.

Admission Requirements
- Completion of the UCF General Education Program,
- Gordon Rule, and CLAS or an AA degree from a Florida Public Community College.
- See Common Program Prerequisites

Degree Requirements
- Must complete all Gordon Rule requirements, prior to admission to this degree.
- Students who change degree programs and select this major must adopt the most current catalog.
- 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.
- Students wanting to major in General Business must apply for admission to the major.
- Final exams will be given during Exam Week.
- Any student receiving a business degree must complete one half (30) of the 60 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.
- Students must have at least a 2.0 GPA in the major and COB.
- Students majoring in General 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)
- Required SP1 1568 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 1140 Pre-Calculus Algebra 3 hrs

D: Social Foundations (6 hrs)

Select 1:
- Required ECO 2013 Principles of Macroeconomics or 3 hrs
- Required ECO 2023 Principles of Microeconomics 3 hrs

Select 1:
- 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 must receive a “C” (2.0) in both MAC 2233 and STA 2023 to be waived from ECO 3401.
- ECO 3401 Quantitative Business Tools I 3 hrs
- or MAC 2233 Concepts of Calculus and
- STA 2023 Statistical Methods I 3 hrs

3. Core Requirements: Basic Level (0 hrs)
- None

4. Core Requirements: Advanced Level (32 hrs)

Core Classes 32 hrs

First or subsequent semester in the College of Business Administration:
- BUL 3130 Legal and Ethical Environment of Business and 4 hrs
- ECO 3411 Quantitative Business Tools II and 4 hrs
- FIN 3403C Business Finance and 4 hrs
- GEB 3031 Cornerstone: Professional Skills for Business and 3 hrs
- GEB 3031L Cornerstone Lab: Professional Skills for Business and 1 hr
- GEB 3375 Introduction to International Business and 4 hrs
- ISM 3011C Essentials of Management Information Systems and 4 hrs
- MAN 3025 Management of Organizations and 4 hrs
- MAR 3023 Marketing 4 hrs

1 Required in 1st or 2nd semester.

Second Level Core 15 hrs
- Students must take one course from each of the following areas: Economics (must take ECP 4703), Finance, Management, Management Information Systems, and Marketing.
- These 5 courses are restricted to the courses listed below.

Finance 3 hrs
- FIN 3303 Financial Markets or
- FIN 3414 Intermediate Corporate Finance or
- FIN 3504 Investment Analysis 3 hrs

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Management
GEB 3113 How to Start a Business 3 hrs
MAN 3301 Management of Human Resources 3 hrs
MAN 4240 Organizations: Theory and Behavior 3 hrs
MAN 4441 Conflict Resolution and Negotiation 3 hrs

Management Information Systems
ISM 3253 MIS Techniques 4 hrs
ISM 4153C Enterprise Information Systems 3 hrs
ISM 4154 Enterprise Application Development 3 hrs

Marketing
MAR 3403 Sales Force Management 3 hrs
MAR 3613 Marketing Analysis and Research 3 hrs
MAR 4156 International Marketing 3 hrs
MAR 4841 Services Marketing 3 hrs

Economics
■ ECP 4703 is required. The other two courses are restricted electives only. With permission of an Economics advisor, any other 3000 or 4000 level ECO, ECP, or ECS course may be substituted as an Economics restricted elective. The substitution must be petitioned and have written approval.
 ■ ECO 3223 Money and Banking 3 hrs
 ■ ECP 3203 Labor Economics 3 hrs
 ■ ECP 4703 Managerial Economics 3 hrs

5. Restricted Electives (9 hrs)
■ Restricted electives are to be taken from two different departments and from the courses listed above, at least two of the restricted electives must be at the 4000 level.

6. Capstone Requirements (4 hrs)
 ■ MAN 4720 Strategic Management 4 hrs
 ■ This course should be taken in the graduating term and requires the following prerequisites:
 ■ FIN 3403C Business Finance 4 hrs
 ■ GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
 ■ MAN 3025 Management of Organizations 4 hrs
 ■ MAR 3023 Marketing 4 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
■ General electives as required to reach 120 semester hours.

9. Additional Requirements
■ Students desiring to complete the General Business major as a second major within the College of Business Administration must complete 24 hours in the second major beyond the courses required for the General Business major.

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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
■ 120
UCF Degree Programs

Junior Year - Fall 16 hrs
- BUL 3130 Legal and Ethical Environment of Business 4 hrs
- GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
- ISM 3011 Essentials of Management Information Systems 4 hrs
- MAN 3025 Management of Organizations 4 hrs
- HIM 3031L Cornerstone Lab: Professional Skills for Business 1 hr

Junior Year - Spring 15 hrs
- ECO 3411 Quantitative Business Tools II 4 hrs
- FIN 3493 Business Finance 4 hrs
- MAR 3023 Marketing 4 hrs

Senior Year - Fall 16 hrs
- GEB 3375 Introduction to International Business 4 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

General Business - A.S. to B.S. Track (B.S.B.A.)

NOTE: For detailed information, see description of this program in the Statewide Articulated AS to BS Programs section.

Health Informatics and Information Management Program

College of Health and Public Affairs
Department of Health Management and Informatics, Health and Public Affairs II, Room: 210
http://www.coehpa.ucf.edu/hmi/bshim.cfm
Ms. Alice M. Noblin, anoblin@mail.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 Public University/Community College System
- Students should consult with a departmental advisor
- The courses designated in sections 1 and 2 below may be taken at a Florida community college, 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) (37 hrs)
   - A: Communication Foundations (9 hrs)
   - B: Cultural & Historical Foundations (9 hrs)
   - C: Mathematical Foundations (6 hrs)
     - Suggested MAC 1105 College Algebra 3 hrs
     - Suggested STA 2014C Principles of Statistics 3 hrs
   - D: Social Foundations (6 hrs)
     - Suggested BSC 2010C Biology I 4 hrs
     - Suggested CHM 1032 General Chemistry 3 hrs

2. Common Program Prerequisites (CPP) (17 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   - ACG 2021 Principles of Financial Accounting 3 hrs
   - ACG 2071 Principles of Managerial Accounting 3 hrs
   - PCB 3703C Human Physiology 4 hrs
   - PCB 3733C Human Anatomy 4 hrs
   - STA 2014C Principles of Statistics GEP
   - Suggested CHM 1032 General Chemistry 3 hrs
   - Suggested MAC 1105 College Algebra 3 hrs
   - Suggested STA 2014C Principles of Statistics 3 hrs

1. See Transfer Notes

3. Core Requirements: Basic Level (0 hrs)
   - None

4. Core Requirements: Advanced Level (66 hrs)
   - HIM 3005 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 4226C Coding Procedures I 5 hrs
   - HIM 4256C Coding Procedures II 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 4676 Professional Development and Issues in Health Information Management 3 hrs
   - HIM 4816C Professional Practice Experience II 3 hrs
   - HIM 4838 Management Affiliation 5 hrs
   - HSA 3170 Health Care Finance 3 hrs
   - HSA 4109 Principles of Managed Care 3 hrs
   - HSA 4191 Health Care Automation 3 hrs
   - HSA 4702 Health Sciences Research Methods 3 hrs
   - HSC 3147 Introduction to Pharmacology 3 hrs
   - HSC 3537 Medical Terminology 3 hrs
   - HSC 4555 Pathophysiologic Mechanisms 3 hrs
   - HSC 4652 Health Law and Ethics 3 hrs

5. Restricted Electives (0 hrs)
   - 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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors in Major
- None

Related Programs
- Business Administration
- Computer Science
- Health Services Administration

Certificates
- None

Related Minors
- Business
- Computer Science
- Health Services Administration

Advising Notes
- None

Transfer Notes
- Community College Equivalents:
  - Human Anatomy & Physiology I & II (BSC X085 and X086)
  - Financial Accounting (ACG 2021)
  - Managerial Accounting (ACG 2071)
  - Statistics (STA 2014C or any other statistics course)
  - Computer Science for Business (CGS 2100C)

Acceptable Substitutes for Transfer Courses
- None

Plan of Study

Freshman Year - Fall
- CHM 1032 General Chemistry 3 hrs
- ENC 1101 Composition I 3 hrs
- HSC 2000 Introduction to the Allied Health Professions 2 hrs
- MAC 1105 College Algebra 3 hrs

Freshman Year - Spring
- BSC 2010C Biology I 4 hrs
- ENC 1102 Composition II 3 hrs
- STA 2014C Principles of Statistics 3 hrs

Select 1:
- AMH 2100 U.S. History: 1492-1877 or 3 hrs
- EUH 2000 Western Civilization I or 3 hrs
- HUM 2210 Humanistic Tradition I 3 hrs

Select 1:
- ECO 2013 Principles of Macroeconomics or 3 hrs
- POS 2041 American National Government 3 hrs

Sophomore Year - Fall
- ACG 2021 Principles of Managerial Accounting 3 hrs
- CGS 2100C Computer Fundamentals for Business 3 hrs
- ZOO 3733C Human Anatomy 4 hrs

Select 1:
- AMH 2100 U.S. History: 1877-Present or 3 hrs
- EUH 2001 Western Civilization II or 3 hrs
- HUM 2230 Humanistic Tradition II 3 hrs

Sophomore Year - Spring
- ACG 2071 Principles of Financial Accounting 3 hrs
- PCB 3703C Human Physiology 4 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

Select 1:
- ARH 2050 History of Western Art I or 3 hrs
- ARH 2051 History of Western Art II or 3 hrs
- LIT 2110 World Literature I or 3 hrs
- LIT 2120 World Literature II or 3 hrs
- MUL 2100 Enjoyment of Music or 3 hrs
- PHI 2100 Introduction to Philosophy or 3 hrs
- REL 2300 World Religions or 3 hrs
- THE 2000 Theatre Survey 3 hrs

Junior Year - Fall
- HIM 3006 Foundations of Health Information Management (HIM) 3 hrs
- 1 HSA 4191 Health Care Automation 3 hrs
- 1 HSC 3357 Medical Terminology 3 hrs
- 1 HSC 4555 Pathophysiologic Mechanisms 3 hrs

Select 1:
- HSA 4180 Organization & Management for Health Agencies I or 3 hrs
1 HMAN 3025 Management of Organizations 4 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 3116C Health Record Organization and Management 4 hrs
- HIM 3806C Professional Practice Experience I 3 hrs
- HIM 4226C Coding Procedures I 5 hrs
- HSC 3147 Introduction to Pharmacology 3 hrs

Junior Year - Summer
- HSA 4109 Principles of Managed Care 3 hrs
- 1 HSC 4652 Health Law and Ethics 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.

Senior Year - Fall
- HIM 4256C Coding Procedures II 3 hrs
- HIM 4344C Health Information Department Management 4 hrs
- HIM 4508C Quality Management 3 hrs
- HIM 4656C Health Information Management Systems 3 hrs
UCF Degree Programs

Senior Year - Spring 12 hrs
HIM 4676 Professional Development and Issues in Health Information Management 3 hrs
HIM 4816C Professional Practice Experience II 3 hrs
\(^1\) HSA 3170 Health Care Finance 3 hrs
\(^1\) HSA 4702 Health Sciences Research Methods 3 hrs

\(^1\) The asterisked courses may be taken at any time during the two years. Certain HIM courses are offered only during the semester in which they appear on this schedule and are restricted to majors only.

Senior Year - Summer 5 hrs
HIM 4838 Management Affiliation 5 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: $15.00 per term
- Full-Time Student: $30.00 per term

Health Sciences - Pre-Clinical Track (B.S.)
College of Health and Public Affairs
Department of Health Professions, Health and Public Affairs II, Room: 203
http://www.cohpa.ucf.edu/health.pro/hsgbs.cfm
TBD
Phone: 407-823-2214

The Health Sciences-Pre-Clinical Track is a preparatory program for graduate level clinical disciplines for the student who wishes to seek admission to graduate level clinical programs in physical therapy, occupational therapy, and physician assistant. Students in this program must be planning to attend graduate school after graduation. Students with this preparation could also pursue graduate programs in occupational therapy, and physician assistant. Students in this program must be planning to attend graduate school after graduation.

Admission Requirements
- None

Degree Requirements
- Students who change to Health Sciences Pre-Clinical Track must adopt the most current catalog.
- Students should complete the General Education Program and the Program Prerequisites requirements before transferring within the Florida Public University/Community College System.
- The courses designated in sections 1 and 2 below may be taken at a Florida community college, and should usually be completed in the first 60 hours.
- Students must earn at least a “C” (2.0) in each course accepted as a Program Prerequisite and Core Requirement (see sections 2, 3 and 4 below).
- No transfer course will be accepted with a grade lower than a “C.”
- Students should have access to a personal computer, modem, and software in order to interact with the instructional faculty.
- Courses in math, biology, chemistry and physics listed are the minimum levels. Students with adequate preparation are encouraged to enroll in higher course levels in the discipline.
- Students should consult with a college advisor each semester.

1. UCF General Education Program (GEP) (38 hrs)
A: Communication Foundations (9 hrs)
Suggested SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
Select 1:
Required MUL 2010 Enjoyment of Music or PHI 2010 Introduction to Philosophy or REL 2300 World Religions or THE 2000 Theatre Survey 3 hrs

C: Mathematical Foundations (6 hrs)
Required MAC 1105 College Algebra 3 hrs
Select 1:
Required STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)
Required PSY 2012 General Psychology 3 hrs
Select 1:
Required ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics 3 hrs

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) (0 hrs)
BSC 2010C Biology I GEP
MAC 1114 College Trigonometry 3 hrs
PSY 2012 General Psychology GEP

Select 1:
STA 2014C Principles of Statistics or STA 2023 Statistical Methods I GEP

Select 1:
ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics GEP

3. Core Requirements: Basic Level (32 hrs)
CHM 2046 Chemistry Fundamentals I 4 hrs
CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory 1 hr
CHM 2205 Introduction to Organic and Biochemistry 5 hrs
DEP 2004 Developmental Psychology 3 hrs
HSC 2000 Introduction to the Allied Health Professions 2 hrs
HUN 2002 Modern Concepts in Nutrition 3 hrs
MCB 2004C Microbiology for Health Professionals 4 hrs
PHY 2053C College Physics I GEP
PHY 2054C College Physics II 4 hrs

Select 1:
CGS 1060C Introduction to Computer Science or CGS 2100C Computer Fundamentals for Business 3 hrs

3. Core Requirements: Basic Level (32 hrs)
CHM 2046 Chemistry Fundamentals I 4 hrs
CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory 1 hr
CHM 2205 Introduction to Organic and Biochemistry 5 hrs
DEP 2004 Developmental Psychology 3 hrs
HSC 2000 Introduction to the Allied Health Professions 2 hrs
HUN 2002 Modern Concepts in Nutrition 3 hrs
MCB 2004C Microbiology for Health Professionals 4 hrs
PHY 2053C College Physics I GEP
PHY 2054C College Physics II 4 hrs

Select 1:
CGS 1060C Introduction to Computer Science or CGS 2100C Computer Fundamentals for Business 3 hrs

4. Core Requirements: Advanced Level (29 hrs)
Basic and Health Sciences 14 hrs
HSC 3147 Introduction to Pharmacology 3 hrs
HSC 455 Pathophysiologic Mechanisms 3 hrs
PCB 3703C Human Physiology 4 hrs
ZOO 3733C Human Anatomy 4 hrs

Health Services 15 hrs
HIM 4508C Quality Management 3 hrs
HSA 3111 U.S. Health Care Systems 3 hrs
HSA 4702 Health Sciences Research Methods 3 hrs
HSC 4500 Epidemiology 3 hrs
HSC 4652 Health Law and Ethics 3 hrs

5. Restricted Electives (21 hrs)
A minimum of 7 courses from the list below:
- 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 science classes.
- BCH 4053 Biochemistry I 3 hrs
- HSA 3430 Health Care Economics 3 hrs
- HSA 4180 Organization & Management for Health Agencies I 3 hrs
- HSC 3110 Medical Self Assessment 3 hrs
HSC 3211 Preventive Health Care 3 hrs
HSC 3557 Medical Terminology 3 hrs
HSC 3593 HIV Disease: A Human Concern 3 hrs
HSC 4158 Medical Pharmacology I 3 hrs
HSC 4159 Medical Pharmacology II 2 hrs
HSC 4564 Health Care Needs of the Elderly 3 hrs
MCS 3020C General Microbiology 5 hrs
MCS 3203 Pathogenic Microbiology 3 hrs
MCS 4630L Pathogenic Microbiology 1 hr
MCS 4830C Virology 3 hrs
PCB 3063 Genetics 3 hrs
PCB 3063L Genetics Laboratory 1 hr
PCB 3233 Immunology 3 hrs
PCB 3233L Immunology Laboratory 1 hr
PCB 4805 Endocrinology 3 hrs
PET 3620 Principles of Athletic Training 3 hrs
PET 3633C Clinical Skills for Athletic Trainers I 2 hrs
PET 3648C Clinical Skills for Athletic Training II 2 hrs
PET 4006 Applied Fitness in Sport 3 hrs
ZOO 3744 Neurobiology 3 hrs
ZOO 4605 Human Clinical Embryology and Congenital Malformation 3 hrs
ZOO 4704C Clinical Neuroanatomy and Neuroscience 4 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 public community college 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 courses that are pre-requisites for specific graduate clinical programs of interest.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- A minimum grade of "C" (2.0) in each program prerequisite course, in each core requirement course, and in each restricted elective (see sections 3 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 courses from the Health Sciences Pre-Clinical major to obtain the UCF degree in Health Sciences Pre-Clinical Track.
- Students are required to have a personal interview after filling Intent to Graduate form online.

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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- Interested students should consult with a faculty advisor

Related Programs
- The participating student may also consider applying for consideration to one or more of the following undergraduate professional degree options:
  - Health Informatics and Information Management
  - Health Services Administration
  - This program is a preparatory program for graduate level clinical disciplines for the student who wishes to seek admission to graduate level clinical programs in physical therapy, occupational therapy, and physician assistant.
  - Students should consult a pre-professional advisor before making application to a graduate program.

Certificates
- None

Related Minors
- Biology
- Chemistry
- Health Informatics and Information Management
- Health Services Administration
- Molecular Biology and Microbiology

Advising Notes
- None

Transfer Notes
- Completion of a Florida public community college Associate of Arts Degree is strongly recommended. Students who transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.
- Students who begin a two-semester sequence course (e.g. General Chemistry) at a Florida public community college are strongly encouraged to complete the sequence before transferring. If it will not be possible to complete the sequence at the community college, the student should postpone beginning the course until enrolling at UCF. Students may elect to take Organic Chemistry I (CHM 2210) and Organic Chemistry II (CHM 2211) with labs at a Florida community college in order to meet the University’s requirement for Intro to Organic and Biochemistry (CHM 2205).
- Students may elect to take Human Anatomy (ZOO 3733C) and Human Physiology (PCB 3703C) at UCF in order to meet the University’s requirement that students complete 48 semester hours of upper division (3000/4000 level) credit.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study

Freshman Year - Fall 15 hrs
CHM 2045C Chemistry Fundamentals I 4 hrs
ENC 1101 Composition I 3 hrs
1 HSC 2000 Introduction to the Allied Health Professions 2 hrs
MAC 1105 College Algebra 3 hrs

Select 1: 3 hrs
CGS 1060C Introduction to Computer Science or 3 hrs
CGS 2100C Computer Fundamentals for Business 3 hrs

1 SLS 2311C (2hrs) is recommended for preprofessional students as a substitution in Spring term.

Freshman Year - Spring 14 hrs
BSC 2010C Biology I 4 hrs
ENC 1102 Composition II 3 hrs
PSY 2012 General Psychology 3 hrs

Take all of the following: 4 hrs
CHM 2046 Chemistry Fundamentals II and 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory 1 hr

Freshman Year - Summer 3 hrs
MAC 1114 College Trigonometry 3 hrs
### Sophomore Year - Fall
- **HUN 2002** Modern Concepts in Nutrition 3 hrs
- **PHY 2053C** College Physics I 4 hrs
- **SPC 1608** Fundamentals of Oral Communication 3 hrs
- **Select 1:**
  - **AMH 2010** U.S. History: 1492-1877 or
  - **EUH 2000** Western Civilization I or
  - **HUM 2210** Humanistic Tradition I 3 hrs
- **Select 1:**
  - **STA 2014C** Principles of Statistics or
  - **STA 2023** Statistical Methods I 3 hrs

### Sophomore Year - Spring
- **AMH 2020** U.S. History: 1877-Present 3 hrs
- **MCH 2004C** Microbiology for Health Professionals 4 hrs
- **Select 1:**
  - **MUL 2010** Enjoyment of Music or
  - **PHI 2010** Introduction to Philosophy or
  - **REL 2300** World Religions or
  - **THE 2000** Theatre Survey 3 hrs

### Junior Year - Fall
- **HCA 3010** Human Development and Behavior I 3 hrs
- **HCA 3020** Human Development and Behavior II 3 hrs
- **Select 1:**
  - **ECO 2013** Principles of Macroeconomics or
  - **ECO 2023** Principles of Microeconomics 3 hrs

### Junior Year - Spring
- **HCA 3010** Human Development and Behavior I 3 hrs
- **HCA 3020** Human Development and Behavior II 3 hrs
- **Select 1:**
  - **CGS 2100C** Computer Fundamentals for Business 3 hrs

### Senior Year - Fall
- **ZOO 3733C** Human Anatomy 4 hrs
- **HCA 4340** Advanced Personnel Management 3 hrs

### Senior Year - Spring
- **HCA 3010** Human Development and Behavior I 3 hrs
- **HCA 3020** Human Development and Behavior II 3 hrs
- **Select 1:**
  - **PSY 2012** General Psychology or
  - **SYG 2000** Introduction to Sociology 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

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**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/**

**E-mail:** hsainfo@mail.ucf.edu

Dr. Kendall Cortelyou-Ward, Undergraduate Program Director
Dr. Myron Fottler, Exec. Director of HSA Programs
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, CLAS, Gordon Rule, etc.), some of which are rarely online. Prerequisite courses are rarely offered online. For more information, see http://distrib.ucf.edu/home.

### 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 Public University/Community College 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 Community College, and should usually be completed in the first 60 hours
- **UCF Residency Requirement: 30 hours**
- **HSA Residency Requirement:** Students must complete at least 45 credit hours of the core requirements at UCF in the department of Health Management and Informatics.

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)
   - **CGS 1060C** Introduction to Computer Science 3 hrs
   - **Select 1:**
     - **MAC 1105** College Algebra 3 hrs
     - **Suggested CGS 2100C** Introduction to Computer Systems or
     - **Suggested CGS 2100C** Computer Fundamentals for Business 3 hrs

   **C: Mathematical Foundations** (6 hrs)
   - **Select 1:**
     - **Suggested MAC 1105** College Algebra 3 hrs
   - **Suggested CGS 2100C** Introduction to Computer Systems or
   - **Suggested CGS 2100C** Computer Fundamentals for Business 3 hrs

   **D: Social Foundations** (6 hrs)
   - **Select 1:**
     - **Suggested ECO 2023** Principles of Microeconomics 3 hrs
   - **Select 2:**
     - **Prefer** **PSY 2012** General Psychology or
     - **Prefer** **SYG 2000** Introduction to Sociology 3 hrs

   **E: Science Foundations** (6 hrs)

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.**

   - **ACG 2021** Principles of Financial Accounting 3 hrs
   - **ACG 2071** Principles of Managerial Accounting 3 hrs
   - **ECO 2023** Principles of Microeconomics GEP
   - **STA 2023** Statistical Methods I 3 hrs
   - **Select 1:**
     - **CGS 1060C** Introduction to Computer Science or
     - **CGS 2100C** Computer Fundamentals for Business GEP
### 3. Core Requirements: Basic Level (0 hrs)
- None

### 4. Core Requirements: Advanced Level (48 hrs)
- Students must earn a “C” (2.0) or better in each Core Requirement

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<th>Hours</th>
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<td>HSA 3170</td>
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<td>Long Term Care and Administration</td>
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<td>HSA 3430</td>
<td>Health Care Economics</td>
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<td>HSA 4109</td>
<td>Principles of Managed Care</td>
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<td>Organization &amp; Management for Health Agencies I</td>
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<tr>
<td>HSC 4652</td>
<td>Health Law and Ethics</td>
<td>3</td>
</tr>
</tbody>
</table>

### 5. Restricted Electives (0 hrs)
- 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 public community college and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

### 8. 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
- None

### 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, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required
- 120

### Honors in Major
- Interested students should consult with a faculty advisor.
### History (B.A.)

#### College of Arts and Humanities
Department of History, Colbourn Hall, Room: 551  
[http://www.history.cah.ucf.edu/](http://www.history.cah.ucf.edu/)  
E-mail: history@mail.ucf.edu

Dr. Rosalind J. Beiler  
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)**
   - **A: Communication Foundations**  
   - **B: Cultural & Historical Foundations**
     - Required AMH 2010 U.S. History: 1492-1877 3 hrs
     - Required AMH 2020 U.S. History: 1877-Present 3 hrs
   - Select one course from 1.B.1 list
   - **C: Mathematical Foundations**
     - Prefer CGS 1000C Introduction to Computer Science 3 hrs
   - **D: Social Foundations**
   - **E: Science Foundations**

2. **2. Common Program Prerequisites (CPP)**

3. **3. Core Requirements: Basic Level**

4. **4. Core Requirements: Advanced Level**

5. **5. Restricted Electives**

6. **6. Capstone Requirements**
- **None**

7. **7. Foreign Language Requirements**

8. **8. Electives**

- **None**

10. **10. Required Minors**
- **None**

11. **11. Departmental Exit Requirements**

#### 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)

### History (B.A.)

#### College of Arts and Humanities
Department of History, Colbourn Hall, Room: 551  
[http://www.history.cah.ucf.edu/](http://www.history.cah.ucf.edu/)  
E-mail: history@mail.ucf.edu

Dr. Rosalind J. Beiler  
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)**
   - **A: Communication Foundations**  
   - **B: Cultural & Historical Foundations**
     - Required AMH 2010 U.S. History: 1492-1877 3 hrs
     - Required AMH 2020 U.S. History: 1877-Present 3 hrs
   - Select one course from 1.B.1 list
   - **C: Mathematical Foundations**
     - Prefer CGS 1000C Introduction to Computer Science 3 hrs
   - **D: Social Foundations**
   - **E: Science Foundations**

2. **2. Common Program Prerequisites (CPP)**

3. **3. Core Requirements: Basic Level**

4. **4. Core Requirements: Advanced Level**

5. **5. Restricted Electives**

6. **6. Capstone Requirements**
- **None**

7. **7. Foreign Language Requirements**

8. **8. Electives**

- **None**

10. **10. Required Minors**
- **None**

11. **11. Departmental Exit Requirements**

#### 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)
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 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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Humanities

Certificates
- None

Related Minors
- African American Studies
- American Studies
- Asian Studies
- Humanities
- Judaic Studies
- Latin American Area Studies
- Women’s Studies

Advising Notes
- None

Transfer Notes
- Grades below “C” (2.0) are not accepted.
- Courses taken at community colleges 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
   may be substituted with:
1. AMH 2010 is a prerequisite for subsequent American History courses.
2. AMH 2020 is a prerequisite for subsequent American History courses.

Plan of Study
- One of numerous possible plans of study. See program description for all requirements.

Freshman Year - Fall
- 15 hrs
  - GEP 3 hrs
  - GEP 3 hrs
  - AMH 2010 U.S. History: 1492-1877 3 hrs
  - ENC 1101 Composition I 3 hrs

Freshman Year - Spring
- 15 hrs
  - GEP 3 hrs
  - GEP 3 hrs
  - AMH 2020 U.S. History: 1877-Present 3 hrs
  - ENC 1102 Composition II 3 hrs

Sophomore Year - Fall
- 16 hrs
  - GEP 3 hrs
  - Core Course 3 hrs
  - Restricted Elective 3 hrs
  - CGS 1060C Introduction to Computer Science 3 hrs
  - SPN 1120C Elementary Spanish Language and Civilization I 4 hrs

Sophomore Year - Spring
- 16 hrs
  - Core Course 3 hrs
  - Restricted Elective 3 hrs
  - SPN 1121C Elementary Spanish Language and Civilization II 4 hrs

Junior Year - Fall
- 15 hrs
  - Restricted Elective 3 hrs
  - Restricted Elective 3 hrs
  - Restricted Elective 3 hrs
  - Restricted Elective 3 hrs
  - HIS 4150 History and Historians 3 hrs

Junior Year - Spring
- 15 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

Senior Year - Spring
- 13 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

History - Accelerated Undergraduate-Graduate Program (B.A / M.A.)
- NOTE: For detailed information, see description of this program in the Accelerated Undergraduate-Graduate Programs section.

Hospitality Management (B.S.)
- Rosen College of Hospitality Management
- Department of Hospitality Services, 9907 Universal Boulevard, Orlando, FL 32819
- http://www.hospitality.ucf.edu
- E-mail: hospitality@mail.ucf.edu
- Dr. Fevzi Okumus, Department Chair
- Dr. Abraham Pizam, Dean
- Phone: 407-903-8000

Admission Requirements
- None

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
     Required: MAC 1105 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
     Select 1: 3 hrs
     Required: ECO 2013 Principles of Microeconomics 3 hrs
     Required: ECO 2023 Principles of Macroeconomics 3 hrs
Select 1:  
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)

2. Common Program Prerequisites (CPP)  
(3 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  
(34 hrs)
- Hospitality Management Core 34 hrs
  - FSS 2212C Techniques of Food Preparation 4 hrs
  - HFT 2220 Hospitality Human Resources Management 3 hrs
  - HFT 2401 Hospitality Industry Financial Accounting 3 hrs
  - HFT 2500 Hospitality and Tourism Marketing 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 3603 Legal Environment in the Hospitality and Tourism Industry 3 hrs
  - HFT 4266 Hospitality Communications 3 hrs
  - HFT 4295 Leadership and Strategic Management in Hospitality Industry 3 hrs
  - HFT 4464 Hospitality Industry Finance 3 hrs
- Quantitative Tools  
  - MAC 1105 College Algebra GEP

Select 1:  
- CGS 2100C Computer Fundamentals for Business or 0 hr
- STA 2023 Statistical Methods I GEP

Select 1:  
- ECO 2013 Principles of Macroeconomics or 0 hr
- ECO 2023 Principles of Microeconomics GEP

4. Core Requirements: Advanced Level  
(21 hrs)
- Sectoral Core (Choose 6 of the Following 7)  
  - Select 6: 18 hrs
    - HFT 2254 Lodging Operations or 3 hrs
    - HFT 2750 The Event Industry or 3 hrs
    - HFT 3263 Restaurant Management or 3 hrs
    - HFT 3273 Principles of Resort Timesharing or 3 hrs
    - HFT 3700 Tourism Management or 3 hrs
    - HFT 4277 Yacht, Country, And City Club Management or 3 hrs
    - HFT 4755 Theme Park and Attraction Management 3 hrs

Internships  
- Internships 3 hrs
- HFT 3940 Internship 1 hr
- HFT 4941 Internship 1 hr
- HFT 4944 Practicum 1 hr

5. Restricted Electives  
(15 hrs)
- Students should select one of the following track options to fulfill their restricted electives requirement
- Restricted Electives  
  - Students must take 15 credit hours (five courses) of Hospitality Management courses in the restricted electives of the other two degree programs (Restaurant and Foodservice Management B.S. and/or Event Management B.S.) offered by the Rosen College.
  - Please note: No more than three courses (nine credit hours) may be taken from the restricted electives of either one of these two other degree programs of the Rosen College of Hospitality Management.
- Or
- Specialized Tracks  
  - Students must complete one of the following Hospitality Management Specialized Tracks offered by the Rosen College as outlined below to satisfy the restricted elective requirement.

6. Capstone Requirements  
- None

7. Foreign Language Requirements  
- Admission:
  - 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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required  
- 120

Honors In Major  
- None

Related Programs  
- None
Certificate
- None

Related Minors
- None

Advising Notes
- None

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 Public Community College 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.

<table>
<thead>
<tr>
<th>Freshman Year - Fall</th>
<th>12 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101  Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 1000  Introduction to the Hospitality and Tourism Industry</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Select 1:
- CGS 2100C  Computer Fundamentals for Business or STA 2023  Statistical Methods I | 3 hrs |

Select 1:
- ANT 2000  General Anthropology or PSY 2012  General Psychology or SYG 2000  Introduction to Sociology | 3 hrs |

<table>
<thead>
<tr>
<th>Freshman Year - Spring</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2511  The Human Species</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 1102  Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 2500  Hospitality and Tourism Marketing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 1105  College Algebra</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPC 1608  Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Sophomore Year - Fall</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>AST 2002  Astronomy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 2220  Hospitality Human Resources Management</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Select 1:
- ECO 2013  Principles of Macroeconomics or ECO 2023  Principles of Microeconomics | 3 hrs |

Select 1:
- HFT 2254  Lodging Operations or HFT 2750  The Event Industry | 3 hrs |

<table>
<thead>
<tr>
<th>Sophomore Year - Spring</th>
<th>13 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2511  The Human Species</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FSS 2221C  Techniques of Food Preparation</td>
<td>4 hrs</td>
</tr>
<tr>
<td>HFT 2401  Hospitality Industry Financial Accounting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3444  Hospitality Information Systems</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Junior Year - Fall</th>
<th>14 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 3431  Hospitality industry Managerial Accounting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3540  Guest Services Management I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3603  Legal Environment in the Hospitality and Tourism Industry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3940  Internship</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Select 4:</th>
<th>12 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 2254  Lodging Operations or HFT 2750  The Event Industry or HFT 3263  Restaurant Management or HFT 3273  Principles of Resort Timesharing or HFT 3700  Tourism Management or HFT 4277  Yacht, Country, And City Club Management or HFT 4755  Theme Park and Attraction Management</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Senior Year - Fall</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 4286  Hospitality Communications</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4464  Hospitality Industry Finance</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4944  Practicum</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Senior Year - Spring</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 4295  Leadership and Strategic Management in Hospitality Industry</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.oelas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $37.50 per term
- Full-Time Student: $75 per term

Hospitality Management - A.S. to B.S. Track (B.S.)
NOTE: For detailed information, see description of this program in the Statewide Articulated AS to BS Programs section.

Humanities (B.A.)
College of Arts and Humanities
Department of Philosophy, Psychology Building, Room: 220
http://www.philosophy.cah.ucf.edu/
E-mail: philosophy@mail.ucf.edu
Dr. Doug Evans
Phone: 407-823-2273

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 used to fulfill another major may be simultaneously applied to the B.A. in Humanities.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations
- (9 hrs)

B: Cultural & Historical Foundations
- (9 hrs)
- Suggested  HUM 2210  Humanistic Tradition I | 3 hrs |
- Suggested  HUM 2230  Humanistic Tradition II | 3 hrs |

Select 1:
- Prefer  PHI 2010  Introduction to Philosophy or 3 hrs |
- Prefer  REL 2300  World Religions | 3 hrs |
UCF Degree Programs

C: Mathematical Foundations (6 hrs)
1. Prefer MGF 1106 Finite Mathematics 3 hrs
   Prefer STA 2060C Basic Statistics Using Microsoft Excel 3 hrs

1. (may substitute a higher level math)

D: Social Foundations (6 hrs)
E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (0 hrs)
   ■ None

3. Core Requirements: Basic Level (6 hrs)
   HUM 2020 Encountering the Humanities 3 hrs
   HUM 2210 Humanistic Tradition I GEP 3 hrs
   HUM 2220 Humanistic Tradition II GEP 3 hrs
   HUM 4933 Senior Research Seminar 3 hrs

4. Core Requirements: Advanced Level (24 hrs)
   ■ Concentrations (choose one):
   □ Note: Appropriate new or special topics courses in philosophy or humanities may be substituted for some courses with prior approval by department advisor.

   Classical Humanities (24 hrs)
   Western Traditions and Applications (9 hrs)
   ARH 4170 Greek & Roman Art or 3 hrs
   ARH 4310 Italian Renaissance Art or 3 hrs
   CLT 3370 Classical Mythology or 3 hrs
   CLT 3378 Comparative Mythology or 3 hrs
   HUM 3552 Christian Thought or 3 hrs
   HUM 3553 Moses, Jesus and Muhammad or 3 hrs
   JST 3401 The Jewish People I or 3 hrs
   1 PHH 3100 Ancient Philosophy or 3 hrs
   1 PHH 3200 Medieval Philosophy or 3 hrs
   1 PHH 3460 Modern Western Philosophy or 3 hrs
   REL 3432 Roots of Western Mysticism 3 hrs

   World Intellectual Traditions (6 hrs)
   ANT 3245 Native American Religions or 3 hrs
   HUM 3401 Asian Humanities or 3 hrs
   HUM 3417 Hindu Thought and Culture or 3 hrs
   HUM 3419 Islamic Thought and Culture or 3 hrs
   HUM 3460 Latin American Humanities or 3 hrs
   HUM 4303 The Spiritual Ideal or 3 hrs
   HUM 4554 Religious Quest and Human Dilemma or 3 hrs
   PHI 3790 African Philosophy or 3 hrs
   PHP 3781 African-American Philosophy or 3 hrs
   REL 3340 Buddhist Thought 3 hrs

   Foundations (3 hrs)
   HUM 4301 The Classical Ideal 3 hrs

   Select 2: (6 hrs)
   HUM 3255 Modern Humanities or 3 hrs
   HUM 3431 Ancient Humanities or 3 hrs
   HUM 3435 Medieval Humanities 3 hrs

1 Only one of these courses may be taken.

Multicultural Humanities (24 hrs)

Traditions and Applications (15 hrs)
ANT 3311 Indians of the Southeastern United States or 3 hrs
ARH 3520 African Art or 3 hrs
HUM 3401 Asian Humanities or 3 hrs
HUM 3417 Hindu Thought and Culture or 3 hrs
HUM 3419 Islamic Thought and Culture or 3 hrs
HUM 3460 Latin American Humanities or 3 hrs
HUM 3553 Moses, Jesus and Muhammad or 3 hrs
JST 3401 The Jewish People I or 3 hrs
PHH 3701 Native American Philosophy or 3 hrs
PHI 3790 African Philosophy or 3 hrs
PHM 3123 Feminist Theories 3 hrs

Foundations (3 hrs)
HUM 3320 Contemporary Multicultural Studies 3 hrs

Select 1: (3 hrs)
HUM 3431 Ancient Humanities or 3 hrs
HUM 3435 Medieval Humanities 3 hrs

Select 1: (3 hrs)
HUM 3252 Contemporary Humanities or 3 hrs
HUM 3255 Modern Humanities 3 hrs

Critical Humanities (24 hrs)

Foundations (9 hrs)
HUM 3252 Contemporary Humanities and 3 hrs
HUM 3255 Modern Humanities and 3 hrs
PHI 4804 Critical Theory 3 hrs

Traditions and Applications (15 hrs)
HUM 3394 Representations of Place and Space or 3 hrs
HUM 4330 Performance Theory or 3 hrs
HUM 4554 Religious Quest and Human Dilemma or 3 hrs
PHH 3510 Marx and Nietzsche or 3 hrs
PHI 3022 Sexuality, Gender & Philosophy or 3 hrs
PHI 3033 Philosophy, Religion, and the Environment or 3 hrs
PHI 3638 Ethical Issues in the 21st Century or 3 hrs
PHM 3123 Feminist Theories or 3 hrs
PHP 3786 Existentialism or 3 hrs
PHP 4782 Phenomenology or 3 hrs
REL 3111 Religion and Philosophy Through Film or 3 hrs
REL 3115 Religion, Spirituality, and Popular Music 3 hrs

5. Restricted Electives (3 hrs)
   Select one course from the ‘Traditions and Applications’ category in the concentrations that are not being used to satisfy Core Requirements, or other courses as approved by advisor.

   Select 1: (3 hrs)
   HUM 4303 The Spiritual Ideal or 3 hrs
   PHI 3700 Philosophy of Religion or 3 hrs
   PHI 3800 Aesthetics or 3 hrs
   Or other courses as approved by advisor 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. 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.
    ■ 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 4933 Senior Research Seminar 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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

- 120

Honors In Major (33 hrs)

- Students considering graduate school in humanities are strongly encouraged to take Honors in the Major. Requirements are as follows:

Honors Thesis

- HUM 4903H Honors Directed Reading I 3 hrs
- HUM 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 Humanities 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:
  - HUM 4903H Honors Directed Reading I 3 hrs
  - HUM 4970H Undergraduate Honors Thesis 3 hrs

Core and Elective Requirements

- Same requirements as for regular majors.

Related Programs

- Humanities - Philosophy, Religion, & Popular Culture Track
- Philosophy
- Religious Studies

Certificates

- None

Related Minors

- Environmental Studies
- Humanities
- Philosophy
- Religious Studies

Advising Notes

- None

Transfer Notes

- Courses taken at community colleges 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. 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

- Foreign Language 4 hrs
- ENC 1101 Composition I 3 hrs
- HUM 2020 Encountering the Humanities 3 hrs
- HUM 2210 Humanistic Tradition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs

Freshman Year - Spring

- Foreign Language 4 hrs
- ENC 1102 Composition II 3 hrs
- HUM 2230 Humanistic Tradition II 3 hrs
- STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

Select 1:

- PHI 2010 Introduction to Philosophy or 3 hrs
- REL 2300 World Religions 3 hrs

Sophomore Year - Fall

- GEP 3 hrs
- GE 3 hrs
- GE 3 hrs
- GE 3 hrs
- GE 3 hrs

Sophomore Year - Spring

- GEP 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs

Junior Year - Fall

- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs
- Supporting Elective 3 hrs

Junior Year - Spring

- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 4 hrs
- HUM 4933 Senior Research Seminar 3 hrs

Senior Year - Fall

- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Senior Year - Spring

- 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

Humanities - Philosophy, Religion, & Popular Culture Track (B.A.)

College of Arts and Humanities

Department of Philosophy, Psychology Building, Room: 220
http://www.philosophy.cah.ucf.edu/
E-mail: philosophy@mail.ucf.edu
Dr. Doug Evans, 407-823-2273
Dr. Shelley Park (Cocoa Campus), 321-433-7919

Admission Requirements

- None
UCF Degree Programs

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)

A: Communication Foundations (9 hrs)
- PHI 2010 Introduction to Philosophy
- PHI 3700 Philosophy of Religion

B: Cultural & Historical Foundations (9 hrs)
- Suggested HUM 2210 Humanistic Tradition I
- Suggested HUM 2230 Humanistic Tradition II

Select 1: (3 hrs)
- Suggested PHI 2010 Introduction to Philosophy
- Suggested REL 2300 World Religions

C: Mathematical Foundations (6 hrs)
- 1 Prefer MGF 1106 Finite Mathematics
- Prefer STA 1060C Basic Statistics Using Microsoft Excel

1 (May substitute a higher level math)

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (0 hrs)

3. Core Requirements: Basic Level (0 hrs)
- HUM 2210 Humanistic Tradition I
- HUM 2230 Humanistic Tradition II
- PHI 2010 Introduction to Philosophy

4. Core Requirements: Advanced Level (18 hrs)

Core Requirements

Theoretical Foundations (6 hrs)
- PHI 3684 Ways of Living and 3 hrs
- PHI 4341 Ways of Knowing 3 hrs

Philosophy (6 hrs)
- PHI 2108 Critical Thinking or 3 hrs
- PHI 3670 Ethical Theory or 3 hrs
- PHI 3700 Philosophy of Religion or 3 hrs
- PHI 3720 Faith and Reason or 3 hrs
- PHI 3800 Aesthetics or 3 hrs
- PHI 4300 Theories of Knowledge or 3 hrs
- PHI 4804 Critical Theory or 3 hrs
- PHM 3100 Freedom and Justice or 3 hrs
- PHP 3766 Existentialism 3 hrs

Religion (6 hrs)
- CLT 3578 Comparative Mythology or 3 hrs
- HUM 3417 Hindu Thought and Culture or 3 hrs
- HUM 3419 Islamic Thought and Culture or 3 hrs
- HUM 3552 Christian Thought or 3 hrs
- HUM 3553 Moses, Jesus and Muhammad or 3 hrs
- HUM 4303 The Spiritual Ideal or 3 hrs
- HUM 4554 Religious Quest and Human Dilemma or 3 hrs
- PHI 3750 The Problem of Evil 3 hrs

Popular Culture Studies (12 hrs)

Contemporary Media (6 hrs)
- HUM 3320 Contemporary Multicultural Studies or 3 hrs
- HUM 4330 Performance Theory or 3 hrs
- HUM 4556 Religion and the Arts or 3 hrs
- PHI 3625 Virtual Ethics or 3 hrs
- PHI 4931 Philosophy in the News or 3 hrs
- POS 3235 Mass Media and Politics or 3 hrs
- POS 3258 Politics in Film or 3 hrs
- REL 3111 Religion and Philosophy Through Film or 3 hrs
- REL 3115 Religion, Spirituality, and Popular Music or 3 hrs
- SYP 3630 Popular Culture In Society 3 hrs

Contemporary Forms of Life (6 hrs)
- ANT 3302 Sex, Gender and Culture or 3 hrs
- HUM 3252 Contemporary Humanities or 3 hrs
- PHI 3022 Sexuality, Gender & Philosophy or 3 hrs
- PHI 3033 Philosophy, Religion, and the Environment or 3 hrs
- PHI 3629 Family Values or 3 hrs
- PHI 3638 Ethical Issues in the 21st Century or 3 hrs
- PHI 3683 Philosophy of Friendship or 3 hrs
- PHI 4321 Philosophies of Embodiment: Mind/Body/Self or 3 hrs
- PHM 3020 Philosophy of Love or 3 hrs
- PHM 3123 Feminist Theories or 3 hrs
- PHM 3401 Philosophy of Law or 3 hrs
- REL 3131 Religion in America 3 hrs

5. Restricted Electives (0 hrs)
- 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.
- 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 4933 Senior Research Seminar
  - HUM 4970H Undergraduate Honors Thesis
  - STA 1060C Basic Statistics Using Microsoft Excel

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, the CLAS and nine hours of Summer credit (if applicable)
Total Semester Hours Required
- 120

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, Popular Culture and Capstone
    - Same requirements as for regular majors
  b. Honors Thesis
    - 6 hrs
      HUM 4903H Honors Directed Reading I 1 hr
      HUM 4970H Undergraduate Honors Thesis 1 hr
  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
    - Earn a “B” (3.0) or better in both of the following:
      - No more than 2 courses (i.e., 9 credit hours) of 3000 or 4000 level courses applied to the B.A. in Humanities: Philosophy, Religion & Popular Culture may be simultaneously applied to fulfill another major.
      - HUM 4903H Honors Directed Reading I 1 hr
      - HUM 4970H Undergraduate Honors Thesis 1 hr

Related Programs
- Humanities
- Philosophy

Certificates
- None

Related Minors
- Humanities
- Philosophy
- Religious Studies

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges 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.oes.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.

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 State University/Community College Systems 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
  - Prefer SPC 1603 Fundamentals of Technical Presentations 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 2311 Calculus with Analytic Geometry I 4 hrs
- Required STA 3032 Probability and Statistics for Engineers 3 hrs

D: Social Foundations (9 hrs)
- Select 1: 3 hrs
  - Prefer ECO 2013 Principles of Macroeconomics or 3 hrs
  - Prefer ECO 2023 Principles of Microeconomics 3 hrs
- Select one class from Social Foundations 3 hrs

E: Science Foundations (7 hrs)
- Required PHY 2048C Physics for Engineers & Scientists 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. 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.

3. Core Requirements: Basic Level (2 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, wthompson@mail.ucf.edu
Phone: 407-823-2204

Admission Requirements
- None
## UCF Degree Programs

### Faculty of Engineering

#### 4. Core Requirements: Advanced Level (58 hrs)

<table>
<thead>
<tr>
<th>Course Core: Advanced</th>
<th>Hrs</th>
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</thead>
<tbody>
<tr>
<td>COP 3223</td>
<td>Introduction to Programming with C</td>
</tr>
<tr>
<td>EGN 3310</td>
<td>Engineering Analysis-Statics</td>
</tr>
<tr>
<td>EGN 3321</td>
<td>Engineering Analysis-Dynamics</td>
</tr>
<tr>
<td>EGN 3373</td>
<td>Principles of Electrical Engineering</td>
</tr>
</tbody>
</table>

**Select 1:**
- EGN 3343: Thermodynamics or 3 hrs
- EGN 3358: Thermo-Fluids-Heat Transfer 3 hrs

**Courses Required for the Major 43 hrs**

- The Industrial Engineering and Management Systems department requires all students within the major to achieve a "C" (2.0) GPA or better in each course listed.
- EGN 3613: Engineering Economic Analysis 2 hrs
- EGN 4624: Human Engineering 3 hrs
- EIN 3000: Introduction to Industrial Engineering and Management Systems 2 hrs
- EIN 3314C: Work Measurement & Design 3 hrs
- EIN 3354: Principles of Cost Engineering 3 hrs
- EIN 4243C: Human Engineering 3 hrs
- EIN 4333: Production and Distribution Systems 3 hrs
- EIN 4384C: Industrial Facilities Planning and Design 3 hrs
- EIN 4391C: Manufacturing Engineering 3 hrs
- EIN 4517: Systems Engineering 3 hrs
- ESI 4221: Empirical Methods for Industrial Engineering 3 hrs
- ESI 4234: Quality Engineering 3 hrs
- ESI 4312: Operations Research 3 hrs
- ESI 4523C: Systems Simulation 3 hrs
- ESI 4628C: Industrial Engineering Applications of Computers 3 hrs
- STA 3032: Probability and Statistics for Engineers 3 hrs

### 5. Restricted Electives (5 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

<table>
<thead>
<tr>
<th>Course Core</th>
<th>Hrs</th>
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</thead>
<tbody>
<tr>
<td>EIN 4364C</td>
<td>Introduction to Industrial Engineering and Management Systems</td>
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<td>EIN 4517</td>
<td>Systems Engineering</td>
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<tr>
<td>EGI 4312</td>
<td>Operations Research</td>
</tr>
<tr>
<td>ESI 4221</td>
<td>Empirical Methods for Industrial Engineering</td>
</tr>
<tr>
<td>ESI 4234</td>
<td>Quality Engineering</td>
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<td>Systems Simulation</td>
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<tr>
<td>ESI 4628C</td>
<td>Industrial Engineering Applications of Computers</td>
</tr>
<tr>
<td>STA 3032</td>
<td>Probability and Statistics for Engineers</td>
</tr>
</tbody>
</table>

### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- A 2.0 UCF GPA GPA
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

**Honors in Major**

- None

**Related Programs**

- Mechanical Engineering

**Certificates**

- None

**Related Minors**

- Engineering Leadership

**Advising Notes**

- None

**Transfer Notes**

- Courses taken from Community Colleges 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.
- 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 the area 5. Approved Technical Electives.

**Acceptable Substitutes for Transfer Courses**

- None

**Plan of Study**

- 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**

- CHS 1440: Fundamentals of Chemistry for Engineers 4 hrs
- EGN 1006C: Introduction to the Engineering Profession 3 hrs
- MAC 2311: Calculus with Analytic Geometry I 4 hrs

**Freshman Year - Spring**

- EGN 1007C: Engineering Concepts and Methods 3 hrs
- ENC 1101: Composition I 3 hrs
- PHY 2049C: Physics for Engineers & Scientists I 4 hrs

**Freshman Year - Summer**

- COP 3223: Introduction to Programming with C 3 hrs

**Select 1:**
- ECO 2013: Principles of Macroeconomics 3 hrs
- ECO 2023: Principles of Microeconomics 3 hrs

**Sophomore Year - Fall**

- EIN 3000: Introduction to Industrial Engineering and Management Systems 2 hrs
- MAC 2313: Calculus with Analytic Geometry III 4 hrs
- PHY 2049C: Physics for Engineers & Scientists II 4 hrs
- STA 3032: Probability and Statistics for Engineers 3 hrs

**Sophomore Year - Spring**

- EGN 3310: Engineering Analysis-Statics 3 hrs
- EIN 4243C: Human Engineering 3 hrs
- EIN 4517: Systems Engineering 3 hrs
- MAP 2302: Differential Equations 3 hrs

**Select 1:**
- SPC 1603: Fundamentals of Technical Presentations or 3 hrs
- SPC 1608: Fundamentals of Oral Communication 3 hrs

**Sophomore Year - Summer**

- GEP 3 hrs
- EGN 3321: Engineering Analysis-Dynamics 3 hrs
- EGN 3613: Engineering Economic Analysis 2 hrs

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**UNIVERSITY OF CENTRAL FLORIDA**

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**226 Undergraduate Catalog 2010-2011**
UCF Degree Programs

Information Technology (B.S.)
College of Engineering and Computer Science
School of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 246
http://www.eecs.ucf.edu/
E-mail: undergraduate@eecs.ucf.edu
Dr. Ali Orooji, HEC 245D
Charlese Hilton-Brown, HEC 245F
Phone: 407-823-2767

Admission Requirements

None

Degree Requirements

"C" (2.0) or better required in all prerequisites and courses required for the major.

A Residency Requirement consists of at least 24 semester hours of regularly scheduled 3000-5000 level courses taken from the School of Computer Science at UCF.

12 of the 24 Residency hours must be at the 4000-5000 level.

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
Select 1: 3 hrs
Prefer SPC 1603 Fundamentals of Technical Presentations or 3 hrs
Prefer SPC 1608 Fundamentals of Oral Communication 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 1105 College Algebra or 3 hrs
Suggested MAC 1140 Pre-Calculus Algebra 3 hrs

D: Social Foundations (6 hrs)
Required ECO 2013 Principles of Macroeconomics 3 hrs
Required PSY 2012 General Psychology 3 hrs

E: Science Foundations (7 hrs)
Required PHY 2053 College Physics I 4 hrs
Select one class from Science Foundations 3 hrs

2. Common Program Prerequisites (CPP) (15 hrs)

A "C" (2.0) or better is required in all these courses.

See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

CIS 1730C Fundamentals of Programming Concepts 3 hrs
CIS 2530C Discrete Mathematics 3 hrs
CIS 3404C Operating System Concepts 3 hrs
CIS 3405C Computer Networks 3 hrs
CIS 3406C Database Technologies 3 hrs
CIS 3407C Computer Systems 3 hrs

3. Core Requirements: Basic Level (0 hrs)

None

4. Core Requirements: Advanced Level (51 hrs)

A "C" (2.0) or better is required in all these courses.

Core Requirements 45 hrs
CAP 4104 Human and Technology Interaction 3 hrs
CIS 3269 Computer Architecture Concepts 3 hrs
CIS 3763 Operating System Concepts 3 hrs
CIS 3303 Fundamentals of Information Technology 3 hrs
CIS 3360 Security in Computing 3 hrs
CIS 4004 Web-Based Information Technology 3 hrs
CIS 4313 Managing IT Integration 3 hrs
CNT 3004 Computer Network Concepts 3 hrs
CNT 4603 System Administration and Maintenance 3 hrs
CNT 4703C Design and Implementation of Computer Networks 3 hrs
CNT 4714 Enterprise Computing 3 hrs
COP 3502 Computer Science I 3 hrs
COP 4910 Frontiers in Information Technology 3 hrs
EEL 3041 Circuit Analysis 3 hrs
PHI 3626 Advanced Ethics in Science and Technology 3 hrs

Support Courses 6 hrs

A "C" (2.0) or better is required in all these courses.

Select 1: 3 hrs
ENC 4265 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 3 hrs

Select 1: 3 hrs
ENC 3211 Theory and Practice of Technical Writing or 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.

A "C" (2.0) or better is required in all these courses.

6. Capstone Requirements

None
UCF Degree Programs

7. Foreign Language Requirements
   - None
   - None

8. Electives
   - Remaining hours needed to meet minimum of 120 hours for graduation should be met with Free Electives.
   - None

9. Additional Requirements
   - None
   - None

10. Required Minors
    - None
    - None

11. Departmental Exit Requirements
    - Complete an exit interview with an assigned faculty advisor
    - Computer competency met by completion of 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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
    - 120

Honors In Major
    - None

Related Programs
    - Computer Engineering
    - Computer Science

Certificates
    - None

Related Minors
    - Computer Science
    - Interdisciplinary Informatics Technology
    - Secure Computing and Networks

Advising Notes
    - None

Transfer Notes
    - Grades below "C" (2.0) are not accepted
    - Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
    - Courses taken at community colleges do not substitute for Upper Division courses

Acceptable Substitutes for Transfer Courses
    - None

Plan of Study

Freshman Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>COP 3223</td>
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<td>ENC 1101</td>
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<tr>
<td>MAC 1105</td>
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Freshman Year - Spring

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<tr>
<td>COP 3502C</td>
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<tr>
<td>ECO 2013</td>
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<td>ENC 1102</td>
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<td>MAC 1114</td>
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<td>PSY 2012</td>
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Sophomore Year - Fall

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<td>GEP</td>
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<tr>
<td>CIS 3003</td>
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<td>COP 3333</td>
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<td>MAD 2104</td>
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<td>PHY 2053C</td>
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Sophomore Year - Spring

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<tbody>
<tr>
<td>GEP</td>
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Junior Year - Fall

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<tr>
<td>CAP 4104</td>
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<td>CIS 3360</td>
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Junior Year - Spring

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Senior Year - Fall

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<td>CIS 4004</td>
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<tr>
<td>CNT 4603</td>
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Senior Year - Spring

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<th>Course</th>
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<td>Restricted Elective</td>
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<td>CNT 4714</td>
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<tr>
<td>COP 4910</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.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Interdisciplinary Studies (B.A. / B.S.)
Office of Undergraduate Studies
Office of Interdisciplinary Studies, Classroom I, Room: 302
http://www.is.ucf.edu
E-mail: is@mail.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, CLAS, 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 internship 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.

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) (0 hrs)
- None

3. Core Requirements: Basic Level (6 hrs)
IDS 3933 Cornerstone Experience 3 hrs
IDS 4934 Capstone Experience 3 hrs

4. Core Requirements: Advanced Level (0 hrs)
- None

5. Restricted Electives (30 hrs)
- Students must complete two different subject area concentrations from among those specified below.
- Students must take a minimum of 15 hours of approved courses in each selected subject area (excluding GEP courses).
- Courses are considered approved only when they have been reviewed by an Interdisciplinary Studies adviser and not simply when they appear on a student audit.
- Students are required to take a minimum of 15 UCF hours, as well as 15 upper division hours, in the two areas combined.
- See the Interdisciplinary Studies Advising Team for details regarding each area:
  - Arts
  - Behavioral and Social Sciences
  - Commerce
  - Communication
  - Computational Sciences
  - Education
  - Engineering

6. Capstone Requirements
- None

7. Foreign Language Requirements
Admissions
- BA: Met by graduation requirement.
- BS: Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.
- Note: Students entering without having met the admission requirements must do so in order to graduate.

Graduation
- BA: Proficiency equivalent to one year 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.
- BS: 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.

8. Electives
- Select primarily from upper level courses, with an Interdisciplinary Studies adviser’s approval.

9. Additional Requirements
- None

10. Required Minors
- Students must complete a minor from those offered at UCF. The minor cannot overlap with the two subject areas. Minimum hours required for a minor is eighteen. The minor degree audit must be approved by, and completion of the minor certified by, the department offering the minor.

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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Certificates
- None

Related Programs
- Interdisciplinary Studies - Environmental Studies Track
- Interdisciplinary Studies - Women’s Studies Track

Related Minors
- Most UCF minors

Advising Notes
- None
Interdisciplinary Studies - Environmental Studies Track (B.S.)

Office of Undergraduate Studies
Office of Interdisciplinary Studies, Classroom I, Room: 302
http://www.is.ucf.edu
E-mail: is@mail.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; 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)
     1 Required MAC 1105 College Algebra 3 hrs
     Required STA 2023 Statistical Methods I 3 hrs

2. Core Program Prerequisites (CPP) (0 hrs)

3. Core Requirements: Basic Level (11 hrs)
   - Core for Environmental Studies:
     - Physical/Mathematical Sciences
     - Life Sciences
     - Social Science & Humanities
     - Select 1: 3 hrs
     - Select 1: 3 hrs

4. Core Requirements: Advanced Level (19 hrs)
   - Environmental Studies Fundamentals
   - Environmental Studies Concentrations
   - Science Concentration
     - Note: This subject area is available only to Interdisciplinary Studies - Environmental Studies track majors.

Transfer Notes

- Courses taken at community colleges 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.oeas.ucf.edu/alc/academic_learning_compacts.htm

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

D: Social Foundations
   - Required SYG 2000 Introduction to Sociology 3 hrs
   - Select 1: 3 hrs
     - Required ECO 2013 Principles of Macroeconomics or 3 hrs
     - Required ECO 2023 Principles of Microeconomics 3 hrs

E: Science Foundations
   - 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
   - Core for Environmental Studies:
     - Physical/Mathematical Sciences
     - Life Sciences
     - Social Science & Humanities
     - Select 1: 3 hrs
     - Select 1: 3 hrs

4. Core Requirements: Advanced Level
   - Environmental Studies Fundamentals
   - Environmental Studies Concentrations
   - Science Concentration
     - Note: This subject area is available only to Interdisciplinary Studies - Environmental Studies track majors.
Values, Planning, & Policy Concentration

Note: This subject area is available only to Interdisciplinary Studies - Environmental Studies track majors.

- ANT 3541 Biobehavioral Anthropology 3 hrs
- BOT 3802 Ethnobotany 3 hrs
- ECP 4303 Environmental and Natural Resource Economics 3 hrs
- ENC 3211 Theory and Practice of Technical Writing 3 hrs
- ENC 3241 Writing for the Technical Professional 3 hrs
- ENC 4360 Nature Writing 3 hrs
- GIS 4035C Remote Sensing of the Environment 3 hrs
- INR 4351 International Environmental Law 3 hrs
- PAD 3330 Urban and Regional Planning 3 hrs
- PAD 4351 Issues in Environmental Program 3 hrs

Management

- PHI 3033 Philosophy, Religion, and the Environment 3 hrs
- PHI 3640 Environmental Ethics 3 hrs
- PHI 4400 Philosophy of Science 3 hrs
- PHI 4633 Ethics and Biological Science 3 hrs
- PHM 4031 Environmental Philosophy 3 hrs
- PLA 4554 Environmental Law 3 hrs
- PUP 4204 Sustainability 3 hrs
- PUP 4209 Urban Environmental Policy 3 hrs

6. Capstone Requirements

- None

7. 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.

8. Electives

- Select primarily from upper level courses, with adviser approval

9. Additional Requirements

- None

10. Required Minors

- None

11. 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

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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

- 120

Honors In Major

- None

Related Programs

- Biology
- Chemistry
- Economics
- Environmental Engineering
- Political Science

Certificates

- None

Related Minors

- All minors

Advising Notes

- None

Transfer Notes

- Courses taken at community colleges 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 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.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student:
- Full-Time Student:

Interdisciplinary Studies - Women's Studies Track

(B.A.)

Office of Undergraduate Studies

Office of Interdisciplinary Studies, Classroom 1, Room: 302

Program in Women's Studies, Colburn Hall, Room: 411

http://www.is.ucf.edu

E-mail: is@mail.ucf.edu

E-mail: womenst@mail.ucf.edu

Interdisciplinary Studies Advising Team, 407-823-0144
Dr. M.C. Santana, 407-823-2260
Phone: 407-823-0144

Interdisciplinary Studies - Women's Studies track is a broadly based interdisciplinary curriculum which leads to the Bachelor of Arts degree in Interdisciplinary Studies. The program is administered through the Office of Interdisciplinary Studies and the Women's Studies Program in the College of Arts and Humanities.

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 - Women's Studies track 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 Interdisciplinary Studies areas. Non-approved independent studies will not be counted towards the major.
- Co op credit cannot be used in this track.
- Students must earn at least a “C” (2.0) in each restricted elective course.
- Students must consult with an Interdisciplinary Studies adviser when entering the degree program and regularly thereafter.

- 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.
# UCF Degree Programs

## 1. UCF General Education Program (GEP)

<table>
<thead>
<tr>
<th>Area</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>A: Communication Foundations</td>
<td>(9 hrs)</td>
</tr>
<tr>
<td>B: Cultural &amp; Historical Foundations</td>
<td>(9 hrs)</td>
</tr>
<tr>
<td>C: Mathematical Foundations</td>
<td>(6 hrs)</td>
</tr>
<tr>
<td>D: Social Foundations</td>
<td>(6 hrs)</td>
</tr>
<tr>
<td>E: Science Foundations</td>
<td>(6 hrs)</td>
</tr>
</tbody>
</table>

### 2. Common Program Prerequisites (CPP)
- None

### 3. Core Requirements: Basic Level
- None

### 4. Core Requirements: Advanced Level
- None

### 5. Restricted Electives

Students must complete either the Womanist/Women of Color subject area or the Women’s Studies Cognate subject area to satisfy the First Study Area.

### First Study Area - Womanist/Women of Color Area

- Take 18 hours from either the Womanist/Women of Color Area or from the Women’s Studies Cognate Area.

#### Select 5:
- 15 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AML 3614</td>
<td>Topics in African-American Literature or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AML 3621</td>
<td>Ethnic Literature in America or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4308</td>
<td>Gender Issues in Latin America or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ASH 4304</td>
<td>Women in China or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYD 3751</td>
<td>North American Indian Women Today</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Other courses approved by the Interdisciplinary Studies Advising Team.

### First Study Area - Women’s Studies Cognate Area

- Take 18 hours from either the Womanist/Women of Color Area or from the Women’s Studies Cognate Area.

#### Select 6:
- 18 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AML 3614</td>
<td>Topics in African-American Literature or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AML 3621</td>
<td>Ethnic Literature in America or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AML 4261</td>
<td>Literature of the South or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3212</td>
<td>Peoples of the World or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CJ 4129</td>
<td>Cultural Diversity in Criminal Justice or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CJ 4681</td>
<td>Domestic Violence and the Justice System or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EUH 3242</td>
<td>Modern Europe and the First World War or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSC 3593</td>
<td>HIV Disease: A Human Concern or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIN 4643</td>
<td>Cross Cultural Communication or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIT 5556</td>
<td>Advanced Feminist Theories or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PEM 2405</td>
<td>Self Defense for Women and Men or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3640</td>
<td>Environmental Ethics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3670</td>
<td>Ethical Theory or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 4300</td>
<td>Theories of Knowledge or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PUP 3314</td>
<td>Minorities in American Politics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SOP 2772</td>
<td>Sexual Behavior or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SOP 3764</td>
<td>Psychology of Diversity 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>SYO 4100</td>
<td>Family Trends or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYO 4200</td>
<td>Religion in Society or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYP 3630</td>
<td>Popular Culture In Society or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYP 3650</td>
<td>Sports and Society or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYP 4732</td>
<td>Minority Aging or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 4230</td>
<td>Cultural Diversity in Theater or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EUH 5937</td>
<td>Social Theory/History</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 6. Capstone Requirements
- None

### 7. Foreign Language Requirements

#### Admissions
- Met by graduation requirement

#### Graduation
- Proficiency equivalent to one year of college instruction in either a foreign language or proficiency equivalent to American Sign Language III. Standardized examinations may be used to meet the requirement.
- Note: Students entering without having met the admission requirement must do so in order to graduate.

### 8. Electives
- Select primarily from upper level courses, with Interdisciplinary Studies advisor’s approval. May be outside of Women’s Studies.

### 9. Additional Requirements
- None

### 10. Required Minors
- Women’s Studies

### 11. Departmental Exit Requirements
- A grade of ‘C’ or above (2.0) is required for each course taken in each of the subject areas.
- Computer Competency is met by departmental assessment, or the following courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CGS 1060C</td>
<td>Introduction to Computer Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 1060C</td>
<td>Basic Statistics Using Microsoft Excel</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 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, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required
- 120

### Honors In Major
- None

### Related Programs
- Interdisciplinary Studies

### Certificates
- None

### Related Minors
- Most UCF minors
Universal Notes

Transfer Notes
- Courses taken at community colleges 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.oeas.ucf.edu/alic/academic_learning_compacts.htm

International and Global Studies (B.A.)
College of Sciences
Department of Political Science, Howard Phillips Hall, Room: 302
http://www.cos.ucf.edu/politicalscience
E-mail: politics@ucf.edu
Dr. Roger Handberg
Phone: 407-823-2608

Admission Requirements
- None

Degree Requirements
- Students who choose 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
- 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/dual in any Political Science track and International and Global Studies shall not count more than two courses toward both programs, with the exception of:
  - POS 2041 American National Government 3 hrs
  - POS 3703 Scope and Methods of Political Science 3 hrs
- 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

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)
- Prefer WOH 2012 World Civilization I 3 hrs
- Prefer WOH 2022 World Civilization II 3 hrs
- Required One course from GEP B.2 list 3 hrs

C: Mathematical Foundations (6 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 Exam.

Mathematics:
- Prefer STA 1060C Basic Statistics Using Microsoft Excel or 3 hrs
- Prefer STA 2014C Principles of Statistics or 3 hrs
- May substitute a more advanced STA course. 3 hrs

D: Social Foundations (6 hrs)
- Prefer POS 2041 American National Government 3 hrs
- Required One course from GEP D.2 list 3 hrs

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (0 hrs)
- None

3. Core Requirements: Basic Level (6 hrs)
- ECO 2013 Principles of Macroeconomics 3 hrs
- INR 2002 International Relations-Theory and Practice 3 hrs
- POS 2041 American National Government GEP

4. Core Requirements: Advanced Level (15 hrs)
- CPO 3033 Comparative Politics 3 hrs
- GEO 3471 World Political Geography 3 hrs
- IDS 4315 Global Perspectives 3 hrs
- INR 4603 International Relations Theory 3 hrs
- POS 3703 Scope and Methods of Political Science 3 hrs

5. Restricted Electives (18 hrs)
- Note: Students must meet all prerequisites before taking these classes.
- Other courses may be substituted with the chair’s approval.

Regional 9 hrs
- Prefer from the following listing:
  - CPO 3034 Politics of Developing Areas 3 hrs
  - CPO 3104 Politics of Western Europe 3 hrs
  - CPO 3403 Politics of the Middle East 3 hrs
  - CPO 3614 Politics of Eastern Europe 3 hrs
  - CPO 4062 Comparative Judicial Process 3 hrs
  - CPO 4074 Political Economy 3 hrs
  - CPO 4101 Politics of the European Union 3 hrs
  - CPO 4123 Government and Politics of Great Britain 3 hrs
  - CPO 4303 Comparative Latin American Politics 3 hrs
  - CPO 4514 Politics of East Asia 3 hrs
  - CPO 4553 Politics of Japan 3 hrs
  - CPO 4643 Government and Politics of Russia 3 hrs
  - CPO 4710 Women in Comparative Politics 3 hrs
  - CPO 5334 Contemporary Politics of the Mayan Region 3 hrs
  - POS 3253 Contemporary Revolution and Political Violence 3 hrs

Functional 9 hrs
- Prefer from the following listing:
  - INR 3253 International Politics of Africa 3 hrs
  - INR 4030 Diplomacy 3 hrs
  - INR 4035 International Economic Policy 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 4084 Politics of International Terrorism 3 hrs
  - INR 4085 Women, Gender, and Globalization 3 hrs
  - INR 4102 American Foreign Policy 3 hrs
  - INR 4104 Topics and Cases in American Foreign Policy 3 hrs
  - INR 4114 American Security Policy 3 hrs
  - INR 4115 Strategic Weapons and Arms Control 3 hrs
  - INR 4224 Contemporary International Politics of Asia 3 hrs
  - INR 4243 International Politics of Latin America 3 hrs
  - INR 4304 Issues in International Public Policy 3 hrs
  - INR 4335 Coercion in International Politics 3 hrs
  - INR 4350 Global Environmental Politics 3 hrs
  - INR 4351 International Environmental Law 3 hrs
  - INR 4364 The Intelligence Community 3 hrs
  - INR 4401 International Law I 3 hrs
  - INR 4402 International Law II 3 hrs
  - INR 4404 Space Law 3 hrs
  - INR 4405 International Organizations 3 hrs
  - INR 4714 Politics of International Trade Policy 3 hrs
  - INR 4941 Internship 3 hrs
  - PUP 4503 Government and Science 3 hrs
  - PUP 4510 Space Policy 3 hrs

1 A maximum of 3 hours of Internship can be used.
UCF Degree Programs

6. Capstone Requirements
■ None

7. Foreign Language Requirements

Admissions
■ Met by graduation requirement

Graduation
■ 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.

8. Electives
■ Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.
■ Internship Program: Political Science: For students who excel, a limited number of internship 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.

9. Additional Requirements
■ None

10. Required Minors
■ Select from the following minors (18 hours min)
■ No more than one course may be used to fulfill both this track and the minor; students may not utilize the International and Global Studies minor to complete the degree requirements for the BA in International and Global Studies. The language and area studies minor requirement will be waived for students who double major in French, Spanish, or Modern Language Combination.
■ Asian Studies
■ European Studies
■ French
■ German
■ International Business
■ Italian
■ Latin American Area Studies
■ Middle Eastern Studies
■ Spanish

11. Departmental Exit Requirements
■ Maintain a minimum GPA of 2.0 in the major.
■ Before applying to graduate, the CLAS must be completely satisfied.
■ Computer Competency met by the following:
  POS 3703  Scope and Methods of Political Science  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 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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
■ 120

Honors in Major
■ Interested students who meet the requirements are encouraged to participative 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
■ Economics
■ History
■ Philosophy
■ Psychology
■ Sociology

Advising Notes
■ None

Transfer Notes
■ Lower division courses taken at community colleges 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  (120 hrs)
■ 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  16 hrs
Foreign Language  4 hrs
ENC 1101 Composition I  3 hrs
MGF 1107 Explorations in Mathematics  3 hrs
POS 2041 American National Government  3 hrs
WOH 2012 World Civilization I  3 hrs

Freshman Year - Spring  16 hrs
Foreign Language  4 hrs
ENC 1102 Composition II  3 hrs
INR 2002 International Relations-Theory and Practice  3 hrs
STA 2014C Principles of Statistics  3 hrs
WOH 2022 World Civilization II  3 hrs

Sophomore Year - Fall  16 hrs
Foreign Language  4 hrs
GEP  3 hrs
ECO 2013 Principles of Macroeconomics  3 hrs
GED 3471 World Political Geography  3 hrs
POS 3703 Scope and Methods of Political Science  3 hrs

Sophomore Year - Spring  16 hrs
Foreign Language  4 hrs
GEP  3 hrs
CPD 3103 Comparative Politics  3 hrs
IDS 4315 Global Perspectives  3 hrs
INR 4603 International Relations Theory  3 hrs

Junior Year - Fall  15 hrs
Restricted Elective  3 hrs
GEP  3 hrs
Elective / Minor  3 hrs
Restricted Elective  3 hrs
Free Elective  3 hrs

Junior Year - Spring  15 hrs
Restricted Elective  3 hrs
GEP  3 hrs
Elective / Minor  3 hrs
Elective / Minor  3 hrs
Free Elective  3 hrs

UNIVERSITY OF CENTRAL FLORIDA
Senior Year - Fall 14 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
GEP 3 hrs
Elective / Minor 3 hrs
Free Elective 2 hrs

Senior Year - Spring 12 hrs
Restricted Elective 3 hrs
Elective / Minor 3 hrs
Elective / Minor 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/aic/academic_learning_compacts.htm

Interpersonal/Organizational Communication (B.A.)
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu
Dr. Jim Katt, Area Coordinator, jkatt@mail.ucf.edu
Ms. Rebecca Morales, Academic Support, rmorales@mail.ucf.edu
Phone: 407-823-2681

Admission Requirements
- None

Degree Requirements
- Students who change degree programs (other than from I/O 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 should consult with a departmental advisor.
- School Residency Requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Communication.
- 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
Required SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)
Statistics:
Required STA 1060C Basic Statistics Using Microsoft Excel or 3 hrs
Required STA 2014C Principles of Statistics 3 hrs

Math:
Suggested MGF 1106 Finite Mathematics or 3 hrs
Preferred MGF 1107 Explorations in Mathematics or 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)
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
- Students are expected to select these courses outside their major, and outside the GEP. The courses may be interspersed throughout their 4 year program.

3. Core Requirements: Basic Level (6 hrs)
SPC 1608 Fundamentals of Oral Communication GEP

Statistics:
Required STA 1060C Basic Statistics Using Microsoft Excel or 3 hrs
Required STA 2014C Principles of Statistics GEP

Computer Science:
Required CGS 2100C Computer Fundamentals for Business or 3 hrs
Required CGS 2585C Desktop/Internet Publishing or 3 hrs
Required CGS 3175 Internet Applications 3 hrs

4. Core Requirements: Advanced Level (12 hrs)
Take all of the following:
COM 3011C Communication and Human Relations and 3 hrs
COM 3120 Organizational Communication and 3 hrs
COM 3311 Communication Research Methods and 3 hrs
SPC 3301 Interpersonal Communication 3 hrs

5. Restricted Electives (27 hrs)

Internal Restricted Electives: 21 hrs
- Select from the following list:
  COM 3013 Communication and the Family 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 4461 Intercultural Communication 3 hrs
  COM 4462 Conflict Management 3 hrs
  SPC 3445 Leadership Through Oral Communication 3 hrs
  SPC 3513 Argumentation and Debate 3 hrs
  SPC 4331 Nonverbal Communication 3 hrs
  SPC 4426 Group Dynamics 3 hrs
  SPC 4540 Attitudes and Communication 3 hrs

A maximum of 6 credits of any combination of the following can be used:
- COM 4906 Directed Independent Study or 3 hrs
- COM 4941 Internship or 3 hrs
- SPC X949 Coop or 3 hrs
- COM X949 Coop or 3 hrs

A maximum of 3 credits of any combination of the following can be used:
- ENC 3241 Writing for the Technical Professional or 3 hrs
- ENC 3250 Professional Writing or 3 hrs
- ENC 3311 Advanced Expository Writing 3 hrs

Other upper division COM or SPC courses with prior approval of department advisor.

External Restricted Electives 6 hrs
- A minimum of six upper division credit hours selected from courses in Nicholson School of Communication outside of the Interpersonal/Organizational 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.

8. Electives
- Select primarily from upper level courses. May be taken outside of the School of Communication.

9. Additional Requirements
- None
UCF Degree Programs

10. Required Minors
- None

11. Departmental Exit Requirements
- Achieve a "C" (2.0) or better average GPA in Nicholson School courses.
- To avoid graduation delays, meet with your advisor to review graduation requirements before registering for your last term.
- Before applying to graduate, the CLAS must be completely satisfied.
- Computer Competency met by achieving a "C" (2.0) or better in the following courses or by departmental assessment:
  - CGS 2100C Computer Fundamentals for Business 3 hrs
  - CGS 2585C Desktop/Internet Publishing 3 hrs
  - CGS 3175 Internet Applications 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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors in Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- Interpersonal/Organizational Communication
- Mass Communication

Advising Notes
- None

Transfer Notes
- Lower division courses taken at community colleges 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 13 hrs
- Foreign Language 4 hrs
- ENC 1101 Composition I 3 hrs
- MGF 1107 Explorations in Mathematics 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

Freshman Year - Spring 16 hrs
- GEP 3 hrs
- Foreign Language 4 hrs
- ENC 1102 Composition II 3 hrs
- STA 2014C Principles of Statistics 3 hrs

Sophomore Year - Fall 16 hrs
- Free Elective 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- Free Elective 4 hrs

Sophomore Year - Spring 15 hrs
- Free Elective 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- CGS XXXX Computer course 3 hrs

Junior Year - Fall 15 hrs
- Restricted Elective 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs
- COM 3011C Communication and Human Relations 3 hrs
- COM 3311 Communication Research Methods 3 hrs

Junior Year - Spring 15 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Free Elective 3 hrs
- COM 3120 Organizational Communication 3 hrs
- SPC 3301 Interpersonal Communication 3 hrs

Senior Year - Fall 15 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
- Free 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.oead.ucf.edu/alc/academic_learning_compacts.htm

Journalism (B.A.)

College of Sciences

Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu
E-mail: journalism@ucf.edu
Mr. Rick Brunson, Area Coordinator, rbrunson@mail.ucf.edu
Ms. Rebecca Morales, Academic Support, rmorales@mail.ucf.edu
Phone: 407-823-2681

Admission Requirements
- 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 2.25 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.
- Submit an essay demonstrating commitment to the field; include previously published journalistic work, if any.
- Meet a grammar proficiency standard. Students must pass a grammar proficiency exam administered by UCF’s Counseling and Testing Center unless they have AP 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
- July 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 recommends that majors work for a student newspaper.

Journalism majors may obtain an off-campus internship with a commercial newspaper, a magazine, or web site.

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 six 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.

All students are required to pay a fee for equipment insurance.

Of the 120 hours required for graduation, 80 hours must be taken outside of the Nicholson School of Communication.

Of these 80 hours, 65 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 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 from outside the School of Communication to remain below the 40 credit hour school maximum.

Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

School Residency Requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the 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.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   Composition: Complete both courses.
   Required ENC 1101 Composition I and ENC 1102 Composition II 6 hrs
   Suggested SPC 1603 Fundamentals of Technical Presentations or SPC 1608 Fundamentals of Oral Communication 3 hrs

   Speech: Select one course.
   Required SPC 1603 Fundamentals of Technical Presentations or SPC 1608 Fundamentals of Oral Communication 3 hrs

   B: Cultural & Historical Foundations (9 hrs)
   Group 1: Select a course from group 1.
   Prefer AMH 2040 U.S. History: 1492-1877 or AMH 2041 American National Government 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 CGS 1060C Introduction to Computer Science or STA 2014C Principles of Statistics 3 hrs
   Prefer MGF 1107 Explorations in Mathematics or STA 2023C Statistical Methods and Applications 3 hrs

Math:
Suggested MGF 1106 Finite Mathematics or MGF 1107 Explorations in Mathematics 3 hrs
Prefer MGF 1107 Explorations in Mathematics or STA 2023C Statistical Methods and Applications 3 hrs
You may substitute a higher level math with appropriate scores on the Math Placement Exam.

D: Social Foundations (6 hrs)
Group 1:
Prefer POS 2041 American National Government 3 hrs
Group 2: Select a listed course 3 hrs

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (0 hrs)
   ■ See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements: Basic Level (12 hrs)
   ■ Must earn at least a “C” (2.0) in these courses in order to enroll in subsequent courses
   ■ Grammar Proficiency must be satisfied before enrolling in JOU 2100C.
   ■ These courses may be completed before acceptance into the program.

   JOU 2100C News Reporting 3 hrs
   JOU 3004 History of American Journalism 3 hrs
   MMC 2004 Mass Media 3 hrs
   VIC 3001 Visual Communication 3 hrs

4. Core Requirements: Advanced Level (6 hrs)
   ■ These courses may be completed either before or after acceptance into the program.

   JOU 4700 Journalism Ethics 3 hrs
   MMC 3200 Mass Communication Law 3 hrs

5. Restricted Electives (18 hrs)
   ■ These courses can only be completed after acceptance into the program.

   Select courses from the following: 18 hrs
   JOU 3101 Advanced Reporting 3 hrs
   JOU 3201 Editing I 3 hrs
   JOU 3202 Editing II 3 hrs
   JOU 3510 American Government 3 hrs
   JOU 4181 Public Affairs Reporting 3 hrs
   JOU 4224 Magazine Editing and Production 3 hrs
   JOU 4300 Feature Writing 3 hrs
   JOU 4342C Converged Journalism 3 hrs
   JOU 4941 Internship 3 hrs
   VIC 3001 Visual Communication 3 hrs
   Any JOU or PGY prefix writing, photojournalism, or editing course 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, with school advisor’s approval. Must be from outside of the 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 65 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 School of Communication. When no official minor is offered, students may complete an 18-credit-hour area of concentration approved by the Faculty.
- The minor must be from outside of the school in order to not exceed the 40 credit hour cap.

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
- Achieve an overall "C" GPA (2.0) in courses taken within the school used to satisfy the major.
- Before applying to graduate, the CLAS must be completely satisfied.
- Computer Competency met by departmental assessment, or by completing the following course:

  Select 1: 3 hrs
  CGS 1060C  Introduction to Computer Science or
  STA 2014C  Principles of Statistics  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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

- 120

Honors In Major

- None

Related Programs

- English - Creative Writing
- English - Technical Communication

Certificates

- None

Related Minors

- NOTE: Minors taught within the School of Communication are not open to Journalism majors.
- English - Creative Writing
- English - Linguistics
- English - Literature
- English - Technical Communication
- English - Writing
- History
- Magazine Journalism
- Political Science
- Sociology

Advising Notes

- It is the student’s responsibility to ensure they have satisfied course prerequisites before registering for a class.
- Students are urged to contact their departmental advisor before registering for courses.

Transfer Notes

- Lower division courses taken at community colleges 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  16 hrs
- GEP  3 hrs
- Foreign Language  4 hrs
- ENC 1101  Composition I  3 hrs
- MGF 1107  Explorations in Mathematics  3 hrs
- SPC 1608  Fundamentals of Oral Communication  3 hrs

Freshman Year - Spring  16 hrs
- GEP  3 hrs
- Elective / Minor  3 hrs
- ENC 1102  Composition II  3 hrs
- STA 2014C  Principles of Statistics  3 hrs
- Apply for admission to the major.

Sophomore Year - Fall  15 hrs
- GEP  3 hrs
- GEP  3 hrs
- Elective / Minor  3 hrs
- JOU 2100C  News Reporting  3 hrs

Sophomore Year - Spring  15 hrs
- GEP  3 hrs
- GEP  3 hrs
- Elective / Minor  3 hrs
- Elective / Minor  3 hrs
- JOU 3004  History of American Journalism  3 hrs

Junior Year - Fall  15 hrs
- Elective / Minor  3 hrs
- Restricted Elective  3 hrs
- Restricted Elective  3 hrs
- Free Elective  3 hrs
- MMC 2004  Mass Media  3 hrs

Junior Year - Spring  15 hrs
- Elective / Minor  3 hrs
- Restricted Elective  3 hrs
- Free Elective  3 hrs
- MMC 3200  Mass Communication Law  3 hrs
- VIC 3001  Visual Communication  3 hrs

Senior Year - Fall  15 hrs
- Elective / Minor  3 hrs
- Restricted Elective  3 hrs
- Free Elective  3 hrs
- JOU 4700  Journalism Ethics  3 hrs

Senior Year - Spring  13 hrs
- Restricted Elective  3 hrs
- Free Elective  4 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

Equipment Fees

- Part-Time Student: $22 per term
- Full-Time Student: $44 per term
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.

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 Public University/Community College System
- Students should consult with a departmental advisor
- The courses designated in section 1 below may be taken at a Florida Community College, 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
Prefer SPC 1650 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) (0 hrs)
- None

3. Core Requirements: Basic Level (0 hrs)
- 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.
  - 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 (0 hrs)

Upper Division Restricted Electives 21 hrs
- 21 additional hours of Legal Studies coursework selected in consultation with an advisor.
## UCF Degree Programs

### Certificates
- None

### Related Minors
- Business
- Criminal Justice
- Political Science
- Public Administration
- Sociology

### Advising Notes
- None

### Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses.

### Acceptable Substitutes for Transfer Courses
- None

### Plan of Study

#### Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- PAF 2102 Public Affairs Careers 2 hrs
- Select 1: 3 hrs
- PSY 2012 General Psychology 3 hrs
- SYG 2000 Introduction to Sociology 3 hrs
- Select 1: 3 hrs
- BSC 1005 Biological Principles or MCB 1310 Introduction to Biotechnology and Genetic Engineering 3 hrs

#### Freshman Year - Spring
- Free Elective 3 hrs
- CGS 1060C Introduction to Computer Science 3 hrs
- ENC 1102 Composition II 3 hrs
- Select 1: 3 hrs
- ECO 2013 Principles of Microeconomics or PHI 2010 Enjoyment of Music 3 hrs
- Select 1: 3 hrs
- ARH 2050 History of Western Art I or LIT 2110 World Literature I or MUL 2010 Enjoyment of Music or REL 2300 World Religions or THE 2000 Theatre Survey 3 hrs

#### Sophomore Year - Fall
- Free Elective 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- Select 1: 3 hrs
- CHM 1020 Concepts in Chemistry or PSC 1121 Physical Science 3 hrs
- Select 1: 3 hrs
- AMH 2020 U.S. History: 1877-Present or EUH 2001 Western Civilization II or HUM 2230 Humanistic Tradition I 3 hrs

#### Sophomore Year - Spring
- Free Elective 3 hrs
- Elective / Minor 3 hrs
- PLA 3014 Law and the Legal System 3 hrs

#### Select 1:
- AMH 2020 U.S. History: 1877-Present or EUH 2001 Western Civilization II or HUM 2230 Humanistic Tradition I 3 hrs

#### Foreign Language II or BS option
- 4 hrs

#### Junior Year - Fall
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs
- PLA 3108 Legal Research 3 hrs
- PLA 3205 Civil Practice and Procedure 3 hrs

#### Junior Year - Spring
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs
- PLA 3155 Legal Writing 3 hrs
- PLA 3615 Property and Real Estate Law 3 hrs

#### Senior Year - Fall
- Supporting Elective 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
- PLA 4935 Capstone: Legal Issues 3 hrs
- Internship or Restricted Elective 3 hrs

#### Senior Year - Spring
- Restricted Elective 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
- PLA 4935 Capstone: Legal Issues 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

### Liberal Studies
- Note: See Interdisciplinary Studies.

### Management (B.S.B.A.)

#### College of Business Administration

#### Department of Management, Business Administration

#### II, Room: 101

http://www.bus.ucf.edu/

Phone: 407-823-2164

Not eligible for a double degree with another College of Business Administration major.

### Admission Requirements

- Completion of the UCF General Education program, Gordon Rule, and CLAS or an AA degree from a Florida Public Community College
- See Common Program Prerequisites

### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- 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.
- Students wanting to major in Management must apply for admission to the major.
- Any student receiving a business degree must complete one half (30) of the 60 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.
- Students must earn at least a 2.0 GPA in the major and COB.
Students majoring in Management must earn a grade of "C" (2.0) or better in the following courses and each course applied towards the major:

- **MAN 3025**: Management of Organizations 4 hrs
- **MAN 4720**: Strategic Management 4 hrs

### 1. UCF General Education Program (GEP) (36 hrs)

<table>
<thead>
<tr>
<th>Section</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>A:</strong> Communication Foundations</td>
<td>(9 hrs)</td>
</tr>
<tr>
<td>Required</td>
<td>SPC 1008: Fundamentals of Oral Communication 3 hrs</td>
</tr>
<tr>
<td><strong>B:</strong> Cultural &amp; Historical Foundations</td>
<td>(9 hrs)</td>
</tr>
<tr>
<td>Required</td>
<td>CGS 2100C: Computer Fundamentals for Business 3 hrs</td>
</tr>
<tr>
<td>Required</td>
<td>MAC 1140: Pre-Calculus Algebra 3 hrs</td>
</tr>
<tr>
<td><strong>C:</strong> Mathematical Foundations</td>
<td>(6 hrs)</td>
</tr>
<tr>
<td>Required</td>
<td>ECO 2013: Principles of Macroeconomics 3 hrs</td>
</tr>
<tr>
<td>Required</td>
<td>ECO 2023: Principles of Microeconomics 3 hrs</td>
</tr>
<tr>
<td><strong>D:</strong> Social Foundations</td>
<td>(6 hrs)</td>
</tr>
<tr>
<td>Select 1:</td>
<td>(3 hrs)</td>
</tr>
<tr>
<td>Required</td>
<td>ANT 2000: General Anthropology or 3 hrs</td>
</tr>
<tr>
<td>Required</td>
<td>PSY 2012: General Psychology or 3 hrs</td>
</tr>
<tr>
<td>Required</td>
<td>SYG 2000: Introduction to Sociology 3 hrs</td>
</tr>
<tr>
<td>Select 1:</td>
<td>(3 hrs)</td>
</tr>
<tr>
<td>Required</td>
<td>ECO 2013: Principles of Macroeconomics or 3 hrs</td>
</tr>
<tr>
<td>Required</td>
<td>ECO 2023: Principles of Microeconomics 3 hrs</td>
</tr>
<tr>
<td><strong>E:</strong> Science Foundations</td>
<td>(6 hrs)</td>
</tr>
<tr>
<td>Select one of the following sequences of courses:</td>
<td></td>
</tr>
<tr>
<td>Students who have not completed both MAC 2233 and STA 2023 with a &quot;C&quot; (2.0) or better must take ECO 3401:</td>
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<tr>
<td>ECO 3401: Quantitative Business Tools I 3 hrs</td>
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<td>or</td>
<td></td>
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<tr>
<td>MAC 2233: Concepts of Calculus and 3 hrs</td>
<td></td>
</tr>
<tr>
<td>STA 2023: Statistical Methods I 3 hrs</td>
<td></td>
</tr>
</tbody>
</table>

### 3. Core Requirements: Basic Level (0 hrs)
- None

### 4. Core Requirements: Advanced Level (32 hrs)

#### First or subsequent semester in the College of Business Administration:

- **BUL 3130**: Legal and Ethical Environment of Business 4 hrs
- **ECO 3411**: Quantitative Business Tools II 4 hrs
- **FIN 3403C**: Business Finance 4 hrs
- **GBE 3031**: Cornerstone: Professional Skills for Business 3 hrs
- **GBE 3031L**: Cornerstone Lab: Professional Skills for Business 1 hr
- **GBE 3375**: Introduction to International Business Systems 4 hrs
- **ISM 3011C**: Essentials of Management Information Systems 4 hrs
- **MAN 3025**: Management of Organizations 4 hrs
- **MAR 3023**: Marketing 4 hrs

#### 5. Restricted Electives (24 hrs)
- Within the Management major, students can concentrate in 3 areas of study. Courses for each are outlined below:

**Human Resource Management Track** (24 hrs)

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAN 3301: Management of Human Resources and 2 hrs</td>
<td></td>
</tr>
<tr>
<td>MAN 4240: Organizations: Theory and Behavior and 3 hrs</td>
<td></td>
</tr>
<tr>
<td>MAN 4320: Human Resources Recruitment and Selection and 3 hrs</td>
<td></td>
</tr>
<tr>
<td>MAN 4330: Compensation Administration and 3 hrs</td>
<td></td>
</tr>
<tr>
<td>MAN 4350: Training and Development 3 hrs</td>
<td></td>
</tr>
</tbody>
</table>

---

**Elective Courses** 9 hrs

- **BUL 4540**: Employment Law or 3 hrs
- **GBE 3113**: How to Start a Business or 3 hrs
- **GBE 4110**: Business Plan Preparation or 3 hrs
- **GBE 4111**: New Venture Finance or 3 hrs
- **GBE 4435**: Moral Foundations of Business or 3 hrs
- Any MAN Electives 3 hrs

**General Management Track** (24 hrs)

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISM 3530: Quality &amp; Productivity Management and 3 hrs</td>
<td></td>
</tr>
<tr>
<td>MAN 3301: Management of Human Resources and 3 hrs</td>
<td></td>
</tr>
<tr>
<td>MAN 4240: Organizations: Theory and Behavior and 3 hrs</td>
<td></td>
</tr>
<tr>
<td>MAN 4441: Conflict Resolution and Negotiation and 3 hrs</td>
<td></td>
</tr>
<tr>
<td>MAN 4701: Business Ethics and Society 3 hrs</td>
<td></td>
</tr>
</tbody>
</table>

**Elective Courses** 9 hrs

- **BUL 4540**: Employment Law or 3 hrs
- **GBE 3113**: How to Start a Business or 3 hrs
- **GBE 4110**: Business Plan Preparation or 3 hrs
- **GBE 4111**: New Venture Finance or 3 hrs
- **GBE 4435**: Moral Foundations of Business or 3 hrs
- Any MAN Electives 3 hrs

**Management Track: Entrepreneurship** (24 hrs)

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>12 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>GBE 4110: Business Plan Preparation and 3 hrs</td>
<td></td>
</tr>
<tr>
<td>GBE 4111: New Venture Finance and 3 hrs</td>
<td></td>
</tr>
<tr>
<td>MAN 3301: Management of Human Resources and 3 hrs</td>
<td></td>
</tr>
<tr>
<td>MAN 4802: Entrepreneurship 3 hrs</td>
<td></td>
</tr>
</tbody>
</table>

**Elective Courses** 9 hrs

- **BUL 4540**: Employment Law or 3 hrs
- MAN Elective or 3 hrs
- MAN Elective or 3 hrs
- MAN Elective or 3 hrs

6. **Capstone Requirements** (4 hrs)

- **MAN 4720**: Strategic Management 4 hrs

This course should be taken in the graduating term and requires the following prerequisites:

- **FIN 3403C**: Business Finance 4 hrs
- **GBE 3031**: Cornerstone: Professional Skills for Business 3 hrs
- **MAN 3025**: Management of Organizations 4 hrs
- **MAR 3023**: Marketing 4 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**

- 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
### UCF Degree Programs

- 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, the CLAS and nine hours of Summer credit (if applicable)

#### Total Semester Hours Required
- 120

#### Honors In Major
- None

#### Related Programs
- None

#### Certificates
- None

#### Related Minors
- None

#### Advising Notes
- Florida Public Community College 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
- Courses taken at community colleges 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 one half (30) of the 60 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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Substitute Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACG 2021</td>
<td>Principles of Financial Accounting</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Plan of Study**

- Must complete 9 hours in a summer semester.

### Freshman Year - Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPC 1506</td>
<td>Fundamentals of Oral Language</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Cult-Hist I</td>
<td>elective</td>
<td>3 hrs</td>
</tr>
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</table>

### Freshman Year - Spring

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CGS 2100C</td>
<td>Computer Fundamentals</td>
<td>3 hrs</td>
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<tr>
<td>ENC 1102</td>
<td>Composition II</td>
<td>3 hrs</td>
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<tr>
<td>MAC 1105</td>
<td>College Algebra</td>
<td>3 hrs</td>
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<td>Cult-Hist II</td>
<td>elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Art/Music/Lit</td>
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<td>3 hrs</td>
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</table>

### Sophomore Year - Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>ACG 2021</td>
<td>Principles of Financial Accounting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 2023</td>
<td>Principles of Microeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Science</td>
<td>Psy/Soc/Ant Elective</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Note:** 1 “C” (2.0) or better required in each class.

### Sophomore Year - Spring

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACG 2071</td>
<td>Principles of Managerial Accounting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 1013</td>
<td>Principles of Macroeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 3401</td>
<td>Quantitative Business Tools I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Science</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective</td>
<td></td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Note:** 1 “C” (2.0) or better required in each class.

### Junior Year - Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUL 3130</td>
<td>Legal and Ethical Environment of Business</td>
<td>4 hrs</td>
</tr>
<tr>
<td>GEB 3031</td>
<td>Cornerstone: Professional Skills for Business</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ISM 3330</td>
<td>Quality &amp; Productivity Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAN 3025</td>
<td>Management of Organizations</td>
<td>4 hrs</td>
</tr>
<tr>
<td>GEB 3031L</td>
<td>Cornerstone Lab: Professional Skills for Business</td>
<td>1 hr</td>
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</table>

### Junior Year - Spring

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 3411</td>
<td>Quantitative Business Tools II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>FIN 3403C</td>
<td>Business Finance</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ISM 3011C</td>
<td>Essentials of Management Information Systems</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAR 3023</td>
<td>Marketing</td>
<td>4 hrs</td>
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### Senior Year - Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEB 3375</td>
<td>Introduction to International Business</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAN 3301</td>
<td>Management of Human Resources</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAN 4240</td>
<td>Organizations: Theory and Behavior</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAN Elective</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAN Elective</td>
<td></td>
<td>3 hrs</td>
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</table>

### Senior Year - Spring

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAN 4441</td>
<td>Conflict Resolution and Negotiation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAN 4701</td>
<td>Business Ethics and Society</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAN 4720</td>
<td>Strategic Management</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAN Elective</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective</td>
<td></td>
<td>3 hrs</td>
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### Human Resource Management Track

<table>
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<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>GEB 3031</td>
<td>Cornerstone: Professional Skills for Business</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEB 3375</td>
<td>Introduction to International Business</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAN 3025</td>
<td>Management of Organizations</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAR 3023</td>
<td>Marketing</td>
<td>4 hrs</td>
</tr>
<tr>
<td>GEB 3031L</td>
<td>Cornerstone Lab: Professional Skills for Business</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

### Junior Year - Fall

<table>
<thead>
<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>BUL 3130</td>
<td>Legal and Ethical Environment of Business</td>
<td>4 hrs</td>
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<tr>
<td>ECO 3411</td>
<td>Quantitative Business Tools II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>FIN 3403C</td>
<td>Business Finance</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ISM 3011C</td>
<td>Essentials of Management Information Systems</td>
<td>4 hrs</td>
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</table>

### Junior Year - Spring

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAN 3301</td>
<td>Management of Human Resources</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAN Elective</td>
<td></td>
<td>3 hrs</td>
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### Senior Year - Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISM 3011</td>
<td>Essentials of Management Information Systems</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAN 4240</td>
<td>Organizations: Theory and Behavior</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAN 4320</td>
<td>Human Resources Recruitment and Selection</td>
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</tr>
<tr>
<td>MAN 4330</td>
<td>Compensation Administration</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAN Elective</td>
<td></td>
<td>3 hrs</td>
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### Senior Year - Spring

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>MAN 4350</td>
<td>Training and Development</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAN 4720</td>
<td>Strategic Management</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAN Elective</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAN Elective</td>
<td></td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
### Entrepreneurship Track

**Junior Year - Fall**
- BUL 3130: Legal and Ethical Environment of Business (3 hrs)
- ECO 3411: Quantitative Business Tools II (4 hrs)
- FIN 3403C: Business Finance (4 hrs)
- MAN 4802: Entrepreneurship (3 hrs)

**Junior Year - Spring**
- BUL 3130: Legal and Ethical Environment of Business (4 hrs)
- ECO 3411: Quantitative Business Tools II (4 hrs)
- FIN 3403C: Business Finance (4 hrs)
- MAN 4802: Entrepreneurship (3 hrs)

**Senior Year - Fall**
- ISM 3011C: Essentials of Management Information Systems (4 hrs)
- MAN 3301: Management of Human Resources (3 hrs)
- Select 1:
  - FIN 3461: Financial Statement Analysis or GEB 4111: New Venture Finance (3 hrs)
- Select 1:
  - MAR 3391: Professional Selling or MAR 3641: Marketing Intelligence (3 hrs)
  - GEB 3031: Cornerstone: Professional Skills for Business (3 hrs)
  - MAN Elective (3 hrs)

**Senior Year - Spring**
- GEB 4110: Business Plan Preparation (3 hrs)
- MAN 4720: Strategic Management (4 hrs)
- MAN Elective (3 hrs)
- MAN Elective (3 hrs)

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.ceu.ucf.edu/alc/academic_learning_compacts.htm

### Equipment Fees
- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

---

### Marketing (B.S.B.A.)

**College of Business Administration**

**Department of Marketing, Business Administration II, Room: 101**

http://www.bus.ucf.edu

Phone: 407-823-2184

Not eligible for a double degree with another College of Business Administration major.

### Admission Requirements
- Completion of the UCF General Education program,
- Gordon Rule, and CLAS or an AA degree from a Florida Public Community College
- See Common Program Prerequisites

### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- 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.
- Students wanting to major in Marketing must apply for admission to the major.
- Any student receiving a business degree must complete one half (30) of the 60 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 of school in which the student majors.
- Students must earn at least a 2.0 GPA in the major and COB.
- Must complete all Gordon Rule requirements, prior to admission to this degree.
- Final exams will be given during Exam Week
- Students majoring in Marketing must earn a grade of “C” (2.0) or better in each course applied toward the major, and a 2.0 overall average in the major. The following is included in this requirement:
  - GEB 3031L: Cornerstone Lab: Professional Skills for Business (1 hr)

---

### 1. UCF General Education Program (GEP) (36 hrs)

**A: Communication Foundations**
- Prefer SPC 1608: Fundamentals of Oral Communication (3 hrs)

**B: Cultural & Historical Foundations**
- Required CGS 2100C: Computer Fundamentals for Business (3 hrs)

**C: Mathematical Foundations**
- Required MAC 1140: Pre-Calculus Algebra (3 hrs)

**D: Social Foundations**
- Required ECO 2023: Principles of Microeconomics (3 hrs)

**E: Science Foundations**
- Required ECO 2023: Principles of Macroeconomics (3 hrs)

### 2. Common Program Prerequisites (CPP) (18 hrs)
- Must be completed with a “C” (2.0) or better
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

### 3. Core Requirements: Basic Level (0 hrs)
- None

### 4. Core Requirements: Advanced Level (50 hrs)

First or subsequent semester in the College of Business Administration:
- BUL 3130: Legal and Ethical Environment of Business (4 hrs)
- ECO 3411: Quantitative Business Tools II (4 hrs)
- FIN 3403C: Business Finance (4 hrs)
- GEB 3031: Cornerstone: Professional Skills for Business (3 hrs)
- GEB 3031L: Cornerstone Lab: Professional Skills for Business (1 hr)
- GEB 3375: Introduction to International Business (4 hrs)
- ISM 3011C: Essentials of Management Information Systems (4 hrs)
- MAN 3305: Management of Organizations (4 hrs)
- MAR 3023: Marketing (4 hrs)

1 Required in 1st or 2nd semester

### Required Courses (18 hrs)

- MAR 3391: Professional Selling (3 hrs)
- MAR 3503: Customer Behavior (3 hrs)
- MAR 3613: Marketing Analysis and Research (3 hrs)
- MAR 3641: Marketing Intelligence (3 hrs)
- MAR 4803: Marketing Management (3 hrs)
- MAR 4804: Marketing Strategy (3 hrs)
5. Restricted Electives (6 hrs)

General Marketing
- Select a minimum of 2 courses from the following list of courses:
  - MAR 3323 Integrated Marketing Communication 3 hrs
  - MAR 3403 Sales Force Management 3 hrs
  - MAR 3721 E-Marketing 3 hrs
  - MAR 4156 International Marketing 3 hrs
  - MAR 4231 Retailing Management 3 hrs
  - MAR 4711 Sport Marketing 3 hrs
  - MAR 4712 Healthcare Marketing 3 hrs
  - MAR 4715 Entertainment Marketing 3 hrs
  - MAR 4724 Strategic Foundations in Global E-Business 3 hrs
  - MAR 4841 Services Marketing 3 hrs
  - MAR 4934 Contemporary Marketing Topics in Florida 3 hrs
  - MAR 4941 Marketing Internship 3 hrs

1 Either MAR 4156 or MAR 4724 (not both) may be taken as an elective.

Sales Track 9 hrs
- Admission by department approval: Restricted to declared marketing majors. Requires submission of application by May 1. Department faculty committee will select a maximum of 40 sales track participants based on academic achievement, work experience, outside activities and leadership positions, and responses to questions on the application form. Must have earned a grade of B (3.0) or higher in the following to apply:
  - MAR 3391 Professional Selling 3 hrs

Take all of the following: 9 hrs
- MAR 3403 Sales Force Management and 3 hrs
- MAR 4413C Strategic Issues in Sales-Lecture and 3 hrs
- MAR 4415C Advanced Professional Selling 3 hrs

6. Capstone Requirements (4 hrs)
- MAN 4720 Strategic Management 4 hrs
- This course should be taken in the graduating term and requires the following prerequisites:
  - FIN 3403C Business Finance 4 hrs
  - GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
  - MAN 3025 Management of Organizations 4 hrs
  - MAR 3023 Marketing 4 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
- 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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

---

**UCF Degree Programs**

**Related Programs**
- None

**Certificates**
- Marketing: e-Marketing
- Marketing: Entertainment Marketing
- Marketing: Healthcare Marketing
- Marketing: Retailing Management
- Marketing: Selling and Sales Management
- Marketing: Services Marketing
- Marketing: Sport Marketing Management

**Related Minors**
- None

**Advising Notes**
- Florida Public Community College 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**
- Courses taken at community colleges do not substitute for upper division courses.
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- 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.

**Acceptable Substitutes for Transfer Courses**
- None

**Plan of Study**
- Must complete nine hours in a summer semester

**Freshman Year - Fall** 15 hrs
- ENC 1101 Composition I 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- Cult-Hist I 3 hrs
- Elective 3 hrs
- Elective 3 hrs

**Freshman Year - Spring** 15 hrs
- CGS 2100C Computer Fundamentals for Business 3 hrs
- ENC 1102 Composition II 3 hrs
- MAC 1105 College Algebra 3 hrs
- Cult-Hist II 3 hrs
- Art/Music/Lit 3 hrs

**Sophomore Year - Fall** 15 hrs
- ACG 2021 Principles of Financial Accounting 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs
- Science 3 hrs
- Psy/Ant/Soc 3 hrs
- Elective 3 hrs
<table>
<thead>
<tr>
<th>Year</th>
<th>Fall</th>
<th>Spring</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sophomore Year - Fall</td>
<td>ACG 2071 Principles of Managerial Accounting 3 hrs</td>
<td>ECO 2013 Principles of Macroeconomics 3 hrs</td>
<td>15 hrs</td>
</tr>
<tr>
<td></td>
<td>ECO 3401 Quantitative Business Tools I 3 hrs</td>
<td>Science 3 hrs</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Elective 3 hrs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Junior Year - Fall</td>
<td>ECO 3411 Quantitative Business Tools II 4 hrs</td>
<td>BUL 3130 Legal and Ethical Environment of Business 4 hrs</td>
<td>16 hrs</td>
</tr>
<tr>
<td></td>
<td>GEB 3031 Cornerstone: Professional Skills for Business 3 hrs</td>
<td>MAN 4720 Strategic Management 4 hrs</td>
<td></td>
</tr>
<tr>
<td></td>
<td>GEB 3375 Introduction to International Business 4 hrs</td>
<td>MAR 4413C Strategic Issues in Sales-Lecture 3 hrs</td>
<td></td>
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<tr>
<td></td>
<td>MAR 3023 Marketing 4 hrs</td>
<td>MAR 4804 Marketing Strategy 3 hrs</td>
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<tr>
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<td>FIN 3403C Strategic Issues in Sales-Lecture 3 hrs</td>
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<td></td>
<td></td>
<td>Science 3 hrs</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Elective 3 hrs</td>
<td></td>
</tr>
<tr>
<td>Senior Year - Fall</td>
<td>ISM 3011C Essentials of Management Information Systems 4 hrs</td>
<td>BUL 3130 Legal and Ethical Environment of Business 4 hrs</td>
<td>17 hrs</td>
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<tr>
<td></td>
<td>MAN 3025 Management of Organizations 4 hrs</td>
<td>MAN 4720 Strategic Management 4 hrs</td>
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<tr>
<td></td>
<td>MAR 3613 Marketing Analysis and Research 3 hrs</td>
<td>MAR 4413C Strategic Issues in Sales-Lecture 3 hrs</td>
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<td></td>
<td></td>
<td>Science 3 hrs</td>
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<td></td>
<td></td>
<td>Elective 3 hrs</td>
<td></td>
</tr>
<tr>
<td>Junior Year - Spring</td>
<td>ECO 3411 Quantitative Business Tools II 4 hrs</td>
<td>BUL 3130 Legal and Ethical Environment of Business 4 hrs</td>
<td>17 hrs</td>
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<td></td>
<td>GEB 3031 Cornerstone: Professional Skills for Business 3 hrs</td>
<td>MAN 4720 Strategic Management 4 hrs</td>
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<td>MAR 3023 Marketing 4 hrs</td>
<td>MAN 4720 Strategic Management 4 hrs</td>
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<td></td>
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<td>Science 3 hrs</td>
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<tr>
<td></td>
<td></td>
<td>Elective 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.oecs.ucf.edu/aac/academic_learning_compacts.htm](http://www.oecs.ucf.edu/aac/academic_learning_compacts.htm)

Equipment Fees

- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

Mathematics - Applied Track (B.S.)

College of Sciences

Department of Mathematics, MAP, Room: 207

[E-mail: math@mail.ucf.edu](mailto:math@mail.ucf.edu)

Dr. H. Martin, MAP 215A, martin@math.ucf.edu, 407-823-5700

Phone: 407-823-6264

The Department of Mathematics offers some courses with the same prefix and number as listed in requirements 1, 2 and 3, but with a suffix of H. These are for students in the Honors Program.

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 Math Department
- Co-op or internship credit cannot be used in this major
- Students must earn at least a "C" (2.0) in each required course
- Students should consult with a departmental advisor
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours
- All mathematics courses except the following must either be taken from or approved by the Department of Mathematics at UCF.
  - MAC 2311 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 Differential Equations 3 hrs

1. UCF General Education Program (GEP) (38 hrs)

- Note: Certain courses must be selected for this major, bringing GEP hours above 36

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (7 hrs)

Required
- COP 3502C Computer Science I 3 hrs
- Required
- MAC 2311 Calculus with Analytic Geometry I 4 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (7 hrs)

- Required
- PHY 2048C Physics for Engineers & Scientists I 4 hrs

Life & Earth Science: Select one listed course. 3 hrs
2. Common Program Prerequisites (CPP) (18 hrs)

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- See Transfer Notes for possible substitutes for some of the following:

  - COP 3223 Introduction to Programming with C 3 hrs
  - MAC 2311 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 Differential Equations 3 hrs
  - PHY 2048C Physics for Engineers & Scientists I GEP
  - PHY 2049C Physics for Engineers and Scientists II 4 hrs

3. Core Requirements: Basic Level (3 hrs)

- COP 3502C Computer Science I GEP
- MAP 2302 Differential Equations CPP
- PHY 2048C Physics for Engineers & Scientists I GEP/CPP
- PHY 2049C Physics for Engineers and Scientists II CPP
- STA 2023 Statistical Methods I 3 hrs

4. Core Requirements: Advanced Level (42 hrs)

- COT 4500 Numerical Calculus 3 hrs
- MAA 4226 Advanced Calculus I 4 hrs
- MAP 4103 Mathematical Modeling I 3 hrs
- MAP 4307 Applications of Complex Variables (Advanced Engineering Math Series) 3 hrs
- MAP 4363 Applied Boundary Value Problems I 3 hrs
- MAP 4364 Applied Boundary Value Problems II 3 hrs
- MAS 3105 Matrix and Linear Algebra 4 hrs
- MAS 3106 Linear Algebra 4 hrs
- MHF 3302 Logic and Proof in Mathematics 3 hrs
- STA 4321 Statistical Theory I 3 hrs
- STA 4322 Statistical Theory II 3 hrs

Select 1: 3 hrs

- ENC 3310 Magazine Writing I
- ENC 3311 Advanced Expository Writing
- ENC 3321 Writing for the Technical Professional

Select 1: 3 hrs

- MAD 4203 Applied Combinatorics
- MAP 4153 Vector and Tensor Analysis

5. Restricted Electives (6 hrs)

- Note: Students must satisfy course prerequisites before enrolling in these courses.

A. Applied Elective: 3 hrs

Select 1: 3 hrs

- COT 4210 Discrete Structures II or
- COT 4400 Tools for Algorithm Analysis or
- COT 5207 Computational Methods/Applications or
- COT 5210 Computational Methods/Linear Systems or
- EGN 3310 Engineering Analysis-Statics or
- EGN 3321 Engineering Analysis-Dynamics or
- EGN 3343 Thermodynamics or
- EGN 3373 Principles of Electrical Engineering or
- STA 4102 Computer Processing of Statistical Data or
- STA 4641 Risk Theory and Decision or
- STA 5103 Advanced Computer Processing of Statistical Data

B. Biological or physical sciences Elective: 3 hrs

Select 1: 3 hrs

- CHM 2210 Organic Chemistry I or
- CHM 3410 Physical Chemistry I or
- PCB 3044 Principles of Ecology or
- PCB 3063 Genetics or
- PCB 4302C Physiochemical Limnology or
- PCB 4303C Biological Limnology or
- PHY 3101 Physics for Engineers and Scientists III or
- PHY 3323 Electricity and Magnetism I or
- PHY 4324 Electricity and Magnetism II or
- PHY 4424 Optics or
- PHY 4604 Wave Mechanics I

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, 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 required in the degree program (sections 2-4 above)
- Participate in an exit interview
- Before applying to graduate, the CLAS must be completely satisfied.
- Computer Competency met by the following:
  - COP 3502C Computer Science I 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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

- 120

Honors In Major

- None

Related Programs

- Actuarial Science
- Aerospace Engineering
- Computer Engineering
- Computer Science
- Electrical Engineering
- Mathematics Education
- Mechanical Engineering
- Statistics

Certificates

- None

Related Minors

- Computer Science
- Economics
- Physics
- Statistics

Advising Notes

- None

Transfer Notes

- Lower division courses taken at community colleges 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.
### Mathematics - Computational Track (B.S.)

**College of Sciences**  
**Department of Mathematics, Math and Physics, Room: 207**

**http://math.ucf.edu**  
**E-mail: math@mail.ucf.edu**  
**Dr. H. Martin, MAP 215A, martin@math.ucf.edu, 407-823-5700**  
**Phone: 407-823-6284**

The Department of Mathematics offers some courses with the same prefix and number as listed in requirements 1, 2, and 3, but with a suffix of H. These are for students in the Honors Program.

#### 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 required course.
- Co-op or internship credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Courses designated in sections 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- All mathematics courses except the following must either be taken from or approved by the Department of Mathematics at UCF:
  - MAC 2311 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 Differential Equations 3 hrs

#### 1. UCF General Education Program (GEP) (38 hrs)
- Note: Certain courses must be selected for this major, bringing GEP hours above 36

<table>
<thead>
<tr>
<th>Area</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td><strong>A: Communication Foundations</strong></td>
<td>(9 hrs)</td>
</tr>
<tr>
<td><strong>B: Cultural &amp; Historical Foundations</strong></td>
<td>(9 hrs)</td>
</tr>
<tr>
<td><strong>C: Mathematical Foundations</strong></td>
<td>(7 hrs)</td>
</tr>
<tr>
<td>Required</td>
<td></td>
</tr>
<tr>
<td>COP 3502C Computer Science I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 2311 Calculus with Analytic Geometry I</td>
<td>4 hrs</td>
</tr>
<tr>
<td><strong>D: Social Foundations</strong></td>
<td>(6 hrs)</td>
</tr>
<tr>
<td>Required</td>
<td></td>
</tr>
<tr>
<td>PHY 2048C Physics for Engineers &amp; Scientists I</td>
<td>4 hrs</td>
</tr>
<tr>
<td><strong>E: Science Foundations</strong></td>
<td>(7 hrs)</td>
</tr>
<tr>
<td>Required</td>
<td></td>
</tr>
<tr>
<td>MAC 2311 Calculus with Analytic Geometry I</td>
<td>4 hrs</td>
</tr>
<tr>
<td><strong>Life Sciences:</strong></td>
<td>(3 hrs)</td>
</tr>
<tr>
<td>Required</td>
<td></td>
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<tr>
<td>MAC 2311 Calculus with Analytic Geometry I</td>
<td>4 hrs</td>
</tr>
<tr>
<td><strong>2. Common Program Prerequisites (CPP)</strong></td>
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<tr>
<td>Required</td>
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</tr>
<tr>
<td>MAC 2311 Calculus with Analytic Geometry I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAC 2312 Calculus with Analytic Geometry II</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

#### Degree Requirements
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- See Transfer Notes for possible substitutes for some of the following.

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>COP 3502C Computer Science I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 2311 Calculus with Analytic Geometry I</td>
<td>GEP</td>
</tr>
<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>MAP 2302 Differential Equations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 2048C Physics for Engineers &amp; Scientists I</td>
<td>GEP</td>
</tr>
<tr>
<td>PHY 2049C Physics for Engineers and Scientists II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>STA 2023 Statistical Methods I</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### 3. Core Requirements: Basic Level (3 hrs)
- CMP 3502C Computer Science I  GEP
- MAC 2311 Calculus with Analytic Geometry I  GEP
- MAP 2302 Differential Equations  CPP
- PHY 2048C Physics for Engineers & Scientists I  GEP/CPP
- PHY 2049C Physics for Engineers and Scientists II  GEP/CPP
- STA 2023 Statistical Methods I  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

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### UCF Degree Programs

#### Plan of Study
- One of numerous possible plans of study. See program description for all requirements.
- Prior to enrolling in Chemistry, take Chemistry Placement Test ~ http://chemplacement.sdes.ucf.edu/
- Prior to enrolling in your first Math course, take Math Placement Test ~ http://mathplacement.sdes.ucf.edu/

#### Freshman Year - Fall
- GEP 3 hrs
- COP 3223 Introduction to Programming with C 3 hrs
- COP 4363 Applied Boundary Value Problems I 3 hrs

#### Sophomore Year - Fall
- GEP 3 hrs
- COP 3223 Introduction to Programming with C 3 hrs
- COP 4363 Applied Boundary Value Problems I 3 hrs

#### Junior Year - Fall
- COP 3502C Computer Science I 3 hrs
- COP 4364 Applied Boundary Value Problems II 3 hrs
- STA 4231 Statistical Theory I 3 hrs

#### Senior Year - Fall
- COP 4364 Applied Boundary Value Problems II 3 hrs
- STA 4231 Statistical Theory I 3 hrs

### Acceptable Substitutes for Transfer Courses
- Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
- Computer Programming course: may use any programming language course with a COP prefix. However knowledge of programming is still required.
- Physics course: The CPP accepts any PHY, CHM or BSC course with a lab designed for science majors; however these physics classes and labs are core requirements and still must be taken.

#### Degree Requirements
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  - http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

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**UNIVERSITY OF CENTRAL FLORIDA**

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UCF Degree Programs

4. Core Requirements: Advanced Level (42 hrs)
- COP 3503C Computer Science II 4 hrs
- COT 4500 Numerical Calculus 3 hrs
- ENC 3241 Writing for the Technical Professional 3 hrs
- MAA 4226 Advanced Calculus I 4 hrs
- MAD 4203 Applied Combinatorics 3 hrs
- MAP 4307 Applications of Complex Variables (Advanced Engineering Math Series) 3 hrs
- MAP 4363 Applied Boundary Value Problems I 3 hrs
- MAP 4364 Applied Boundary Value Problems II 3 hrs
- MAS 3106 Linear Algebra 4 hrs
- STA 4321 Statistical Theory I 3 hrs
- STA 4322 Statistical Theory II 3 hrs

Select 1: 3 hrs
- COT 3100C Introduction to Discrete Structures or 3 hrs
- MHP 3302 Logic and Proof in Mathematics 3 hrs

Select 1: 3 hrs
- MAP 4103 Mathematical Modeling I or 3 hrs
- MAP 4153 Vector and Tensor Analysis 3 hrs

5. Restricted Electives (18 hrs)

Select 6: 18 hrs
- COP 3402 Systems Software or 3 hrs
- COP 4020 Programming Languages I or 3 hrs
- COP 4331C Processes for Object-Oriented Software Development or 4 hrs
- COP 4600 Operating Systems or 3 hrs
- COT 4210 Discrete Structures II or 3 hrs
- EEL 4788C Computer Architecture or 4 hrs

any MAA, MAD, MAP, MAS, or MTG upper division courses 3 hrs

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
- Students desiring to complete a double major in both Computer Science and Applied Mathematics must also complete all the requirements of the School of Computer Science. To minimize the total hours taken for both majors, students should select an advanced computer science course for the unrestricted elective.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Earn a grade of C (2.0) or better in each course required in the degree program.
- Participate in an exit interview.
- Before applying to graduate, the CLAS must be completely satisfied.
- Computer Competency met by the following: COP 3502C Computer Science I 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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120

Honors in Major
- None

Related Programs
- Computer Science
- Electrical Engineering
- Mathematics - Applied Track
- Mathematics Education
- Statistics

Certificates
- None

Related Minors
- Computer Science
- Physics
- Statistics

Advising Notes
- None

Transfer Notes
- Lower division courses taken at community colleges 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:
  - Computer Programming: may use any programming language course with a COP prefix.
  - Physics: The CPP accepts any PHY, CHM or BSC course with a lab designed for science majors; however these physics classes and labs are core requirements and still must be taken.

Plan of Study
- One of numerous possible plans of study. See program description for all requirements.
- Prior to enrolling in Chemistry, take Chemistry Placement Test ~ http://chemplacement.sdes.ucf.edu/
- Prior to enrolling in your first Math course, take Math Placement Test ~ http://mathplacement.sdes.ucf.edu/

Freshman Year - Fall 14 hrs
- GEP 3 hrs
- Free Elective 4 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- STA 2023 Statistical Methods I 3 hrs

Freshman Year - Spring 16 hrs
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- MHP 3302 Logic and Proof in Mathematics 3 hrs

Sophomore Year - Fall 15 hrs
- GEP 3 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- MAS 3105 Matrix and Linear Algebra 4 hrs
- PHY 2048C Physics for Engineers & Scientists I 4 hrs

Sophomore Year - Spring 14 hrs
- GEP 3 hrs
- MAP 2302 Differential Equations 3 hrs
- MAS 3106 Linear Algebra 4 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs

Junior Year - Fall 15 hrs
- GEP 3 hrs
- Restricted Elective 3 hrs
- Core Course 3 hrs
- COP 3223 Introduction to Programming with C 3 hrs
- MAP 4363 Applied Boundary Value Problems I 3 hrs
### Mathematics - Engineering/Physics Track (B.S.)

**College of Sciences**

**Department of Mathematics, Math and Physics, Room: 207**

http://math.ucf.edu

E-mail: math@mail.ucf.edu

Dr. H. Martin, MAP 215A, martin@mail.ucf.edu, 407-823-5700

Phone: 407-823-6284

The Department of Mathematics offers some courses with the same prefix and number as listed in requirements 1, 2 and 3, but with a suffix of H. These are for students in the Honors Program.

**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 required course.
- Co-op or internship credit cannot be used in this major.
- Students should consult with a departmental advisor.

Courses designated in sections 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

All mathematics courses except the following must either be taken from or approved by the Department of Mathematics at UCF:

- MAC 2311 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 Differential Equations 3 hrs

1. **UCF General Education Program (GEP)** (38 hrs)

   **Note:** Certain courses must be selected for this major, bringing GEP hours above 36

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<thead>
<tr>
<th>Junior Year - Spring</th>
<th>15 hrs</th>
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<tbody>
<tr>
<td>Restricted Elective</td>
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<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 3502C</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAP 4307</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAP 4364</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Senior Year - Fall</th>
<th>16 hrs</th>
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</thead>
<tbody>
<tr>
<td>Restricted Elective</td>
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<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
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<tr>
<td>COP 3503C</td>
<td>4 hrs</td>
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<tr>
<td>MAD 4203</td>
<td>3 hrs</td>
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<tr>
<td>STA 4321</td>
<td>3 hrs</td>
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</table>

<table>
<thead>
<tr>
<th>Senior Year - Spring</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
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<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COT 4500</td>
<td>3 hrs</td>
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<tr>
<td>ENC 3241</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/alio/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alio/academic_learning_compacts.htm)

### Degree Requirements

#### 1. UCF General Education Program (GEP) (38 hrs)

**A: Communication Foundations** (9 hrs)

- Required: COP 3502C Computer Science I 3 hrs

**B: Cultural & Historical Foundations** (9 hrs)

- Required: MAC 2311 Calculus with Analytic Geometry I 4 hrs

**C: Mathematical Foundations** (7 hrs)

<table>
<thead>
<tr>
<th>Required</th>
<th>COP 3502C Computer Science I</th>
<th>3 hrs</th>
</tr>
</thead>
</table>

**D: Social Foundations** (6 hrs)

**E: Science Foundations** (7 hrs)

**Physical Sciences:**

- Required: PHY 2048C Physics for Engineers & Scientists I 4 hrs

**Life & Earth Sciences.**

- Select one course listed in GEP E 2. 3 hrs

2. **Common Program Prerequisites (CPP)** (18 hrs)

- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

- See Transfer Notes for possible substitutes for the courses below.

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<thead>
<tr>
<th>Section</th>
<th>Course Name</th>
<th>Hours</th>
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<tbody>
<tr>
<td>1</td>
<td>COP 3223 Introduction to Programming with C</td>
<td>3 hrs</td>
</tr>
<tr>
<td>2</td>
<td>MAC 2311 Calculus with Analytic Geometry I</td>
<td>GEP</td>
</tr>
<tr>
<td>3</td>
<td>MAC 2312 Calculus with Analytic Geometry II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>4</td>
<td>MAC 2313 Calculus with Analytic Geometry III</td>
<td>4 hrs</td>
</tr>
<tr>
<td>5</td>
<td>MAP 3202 Differential Equations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>6</td>
<td>PHY 2048C Physics for Engineers &amp; Scientists I</td>
<td>GEP</td>
</tr>
<tr>
<td>7</td>
<td>PHY 2049C Physics for Engineers and Scientists II</td>
<td>GEP</td>
</tr>
</tbody>
</table>

Select one statistics course: 3 hrs

| STA 2023 | Statistical Methods I or |
| STA 3032 | Probability and Statistics for Engineers |

3. **Core Requirements: Basic Level** (3 hrs)

| COP 3502C | Computer Science I |
| MAP 2302  | Differential Equations |
| PHY 2048C | Physics for Engineers & Scientists I |
| PHY 2049C | Physics for Engineers and Scientists II |

### Select 1: 3 hrs

| COT 3100C | Introduction to Discrete Structures or |
| MHP 3302  | Logic and Proof in Mathematics |

### Select 1: 3 hrs

| EGN 3321  | Engineering Analysis-Dynamics |
| EMA 4226  | Advanced Calculus I |
| MAP 4153  | Vector and Tensor Analysis |
| MAP 4307  | Applications of Complex Variables (Advanced Engineering Math Series) |
| MAP 4363  | Applied Boundary Value Problems I |
| MAP 4364  | Applied Boundary Value Problems II |

### Select 1: 3 hrs

| COP 3223 | Introduction to Programming with C |
| MAC 2311 | Calculus with Analytic Geometry I |
| MAC 2312 | Calculus with Analytic Geometry II |
| MAC 2313 | Calculus with Analytic Geometry III |
| MAP 3202 | Differential Equations |
| PHY 2048C| Physics for Engineers & Scientists I |
| PHY 2049C| Physics for Engineers and Scientists II |

### Select 1: 3 hrs

| COP 3502C | Computer Science I |
| EMA 3654  | Modeling Methods in Mechanical and Aerospace Engineering |
| MAP 4103  | Mathematical Modeling I or |
| PHZ 3151  | Computer Methods in Physics |

### Select 1: 3 hrs

| COT 4500 | Numerical Calculus |
| EGN 3420 | Engineering Analysis |

### Select 1: 3 hrs

| MAD 4203 | Applied Combinatorics |
| MAS 3106 | Linear Algebra |

### Select 1: 3 hrs

| EGN 3310 | Engineering Analysis-Statics or |
| PHY 3220 | Mechanics I |

### Select 1: 3 hrs

| EGN 3373 | Principles of Electrical Engineering or |
| PHY 3101 | Physics for Engineers and Scientists III |

### Select 1: 3 hrs

| CHM 2046 | Chemistry Fundamentals II or |
| Or any MAA, MAD, MAP, MAS, or MTG course at 3000 level or above |

### Select 1: 3 hrs

| EGN 3358 | Thermo-Fluids-Heat Transfer or |
| PHY 3513 | Thermal and Statistical Physics or |
| Or any MAA, MAD, MAP, MAS, or MTG course at 3000 level or above |

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**UNIVERSITY OF CENTRAL FLORIDA**

249 Undergraduate Catalog 2010-2011
### UCF Degree Programs

#### Select 1:
- CWR 3201  Engineering Fluid Mechanics or 3 hrs
- EML 3701  Fluid Mechanics I or 3 hrs
- ESI 4628C  Industrial Engineering Applications of Computers or 3 hrs
- 1 PHY 3101  Physics for Engineers and Scientists III or 3 hrs
- PHZ 3113  Introduction to Theoretical Methods of Physics 3 hrs

Select 1:
- CHM 2046  Chemistry Fundamentals II or 3 hrs
- EEL 3004  Electrical Networks or 3 hrs
- EGM 3601  Solid Mechanics or 3 hrs
- EGN 3331  Mechanics of Materials or 3 hrs
- EML 3601  Solid Mechanics or 3 hrs
- EGN 3331  Mechanics of Materials or 3 hrs
- ESM 3000  Introduction to Industrial Engineering and Management Systems or 2 hrs
- Or any PHY, AST, PHZ, MAA, MAD, MAP, or MAS course at 3000 level or above 3 hrs

Select 1:
- CES 4100C  Structural Analysis I and Lab or 4 hrs
- EAS 3101  Fundamentals of Aerodynamics or 3 hrs
- EEL 3004  Electrical Networks or 3 hrs
- EGM 3601  Solid Mechanics or 3 hrs
- EGN 3331  Mechanics of Materials or 3 hrs
- EIN 3000  Introduction to Industrial Engineering and Management Systems or 3 hrs
- or any PHY, AST, PHZ, MAA, MAD, MAP, or MAS course at 3000 level or above 3 hrs

#### 5. Restricted Electives

Select 2:
- CWR 4101C  Hydrology or 3 hrs
- CWR 4203C  Hydraulics or 3 hrs
- EAS 4105  Flight Mechanics or 3 hrs
- EAS 4200  Flight Structures or 3 hrs
- EAS 4400  Spacecraft Attitude Dynamics or 3 hrs
- EAS 4505  Orbital Mechanics or 3 hrs
- EEE 3342C  Digital Systems or 3 hrs
- EEL 3470  Electromagnetic Fields or 3 hrs
- EEL 3552C  Analog and Digital Communication 4 hrs
- EEL 3657  Linear Control Systems or 3 hrs
- EEL 3801C  Computer Organization or 3 hrs
- EEL 4742C  Embedded Systems or 4 hrs
- EEL 4750  Digital Signal Processing Fundamentals or 3 hrs
- EEL 4832  Engineering Applications of Computer Methods or 3 hrs
- EEL 4851C  Engineering Data Structures or 4 hrs
- EGN 3365  Structure and Properties of Materials or 3 hrs
- EGN 3613  Engineering Economic Analysis or 2 hrs
- EIN 4333  Production and Distribution Systems or 3 hrs
- EMA 4223  Fundamentals of Mechanical Behavior of Materials or 3 hrs
- EML 3262  Kinematics of Mechanisms or 3 hrs
- EML 4142  Heat Transfer or 3 hrs
- EML 4312C  Feedback Control or 3 hrs
- EML 4703  Fluid Mechanics II or 3 hrs
- ENV 4561  Environmental Engineering - Process Design or 4 hrs
- ESI 4234  Quality Engineering or 3 hrs
- ESI 4523C  Systems Simulation or 3 hrs
- PHY 3323  Electricity and Magnetism I or 3 hrs
- PHY 4324  Electricity and Magnetism II or 3 hrs
- STA 4321  Statistical Theory I or 3 hrs
- STA 4322  Statistical Theory II or 3 hrs
- Or any MAA, MAD, MAP, or MAS course at 3000 level or above 3 hrs

1. (PHY 3101 may be selected only if EGN 3373 is also taken)

#### 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
- Students desiring a double major in Engineering or Physics and Mathematics must also complete all requirements of both majors. Students should select electives which satisfy both majors simultaneously when possible.

#### 9. Additional Requirements
- None

#### 10. Required Minors
- None

#### 11. Departmental Exit Requirements
- Earn a grade of “C” (2.0) or better in each course required in the degree program (sections 2-5 above).
- Participate in an exit interview.
- Before applying to graduate, the CLAS must be completely satisfied.
- Computer Competency met by the following:
  - COP 3502C  Computer Science I 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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

#### Honors In Major
- None

#### Related Programs
- Aerospace Engineering
- Civil Engineering
- Computer Science
- Electrical Engineering
- Mathematics - Applied Track
- Mathematics Education
- Mechanical Engineering
- Physics
- Statistics

#### Certificates
- None

#### Related Minors
- Computer Science
- Physics
- Statistics

#### Advising Notes
- None

#### Transfer Notes
- Lower division courses taken at community colleges 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.
- Computer Programming: may use any programming language course with a COP prefix to satisfy the CPP.
- Physics: may use any PHY, CHM or BSC course with a lab designed for science majors to satisfy the CPP; however, these 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.
- Prior to enrolling in Chemistry, take Chemistry Placement Test ~ http://chemplacement.sdes.ucf.edu/
- Prior to enrolling in Math, take Math Placement Test ~ http://mathplacement.sdes.ucf.edu/

Freshman Year - Fall

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Freshman Year - Spring

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Sophomore Year - Fall

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<td>MAC 2312</td>
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Sophomore Year - Spring

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<td>GEP</td>
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<td>MAA 4226</td>
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Senior Year - Fall

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Senior Year - Spring

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<td>MAP 4364</td>
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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

Mathematics - Mathematical Economics Track (B.S.)

College of Sciences

Department of Mathematics, Math and Physics, Room: 207

http://math.ucf.edu

E-mail: math@mail.ucf.edu

Dr. H. Martin, MAP 215A, martin@math.ucf.edu

Phone: 407-823-5700

The Mathematics - Mathematical Economics track is designed for students who wish to earn a B.S. degree in Mathematics with an emphasis in Economics. This interdisciplinary program is carefully structured so that a student has an opportunity to develop mathematical skills that can be applied to problems in economic theory and quantitative analysis. These critical thinking and analytical skills will be useful as preparation for graduate study and careers in a variety of fields.

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 and Economics Departments.
- 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.
- Courses designated in sections 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- Students should consult with the major advisors for the Department of Mathematics and Economics.
- All mathematics courses, except the following, must either be taken from or approved by the Department of Mathematics at UCF.
- MAC 2311 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 Differential Equations 3 hrs

1. UCF General Education Program (GEP) (38 hrs)

- Note: Certain courses must be selected for this major, bringing GEP hours above 36

A: Communication Foundations (9 hrs)

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<td>Fundamentals of Oral Communication</td>
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B: Cultural & Historical Foundations (9 hrs)

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<td>Required STA 2023</td>
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C: Mathematical Foundations (7 hrs)

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<tr>
<td>Calculus with Analytic Geometry I</td>
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<td>Statistical Methods I</td>
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D: Social Foundations (6 hrs)

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<th>Course</th>
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<tr>
<td>Required ECO 2013</td>
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<tr>
<td>Principles of Macroeconomics</td>
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<tr>
<td>Required ECO 2023</td>
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<tr>
<td>Principles of Microeconomics</td>
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Select 1:

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<td>Required PSY 2012</td>
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<td>Required SYG 2000</td>
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Select 2:

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<td>Biology I or</td>
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<td>Required CHM 2045C</td>
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<td>Chemistry Fundamentals I or</td>
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<tr>
<td>Required PHY 2048C</td>
<td>4 hrs</td>
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<td>Physics for Engineers &amp; Scientists I</td>
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</table>
UCF Degree Programs

2. Remaining Science Requirement
   Complete the section of the Science GEP not yet taken.  3 hrs

2. Common Program Prerequisites (CPP)  (14 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions
     Services section for more information.
   - See Transfer Notes for possible substitutes.
     COP 3223  Introduction to Programming with C  3 hrs
     MAC 2311  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  Differential Equations  3 hrs

Select a science course designed for majors:  4 hrs
   BSC 2010C  Biology I or  4 hrs
   CHM 2045C  Chemistry Fundamentals I or  4 hrs
   PHY 2048C  Physics for Engineers & Scientists I  4 hrs

3. Core Requirements: Basic Level  (26 hrs)
   - Economics
     ECO 2013  Principles of Macroeconomics  3 hrs
     ECO 2023  Principles of Microeconomics  GEP
     ECO 3101  Intermediate Microeconomics  3 hrs
     ECO 3203  Intermediate Macroeconomics  3 hrs
     ECO 4451  Research Methods in Economics  3 hrs
     MAP 2302  Differential Equations  CPP
     MAS 3105  Matrix and Linear Algebra  4 hrs
     MTH 3302  Logic and Proof in Mathematics  3 hrs
     STA 2023  Statistical Methods I  3 hrs
     STA 4321  Statistical Theory I  3 hrs

Remaining Science Sequence
   - Complete the science sequence started in the Common
     Program Prerequisites.
     PHY 204C  Physics for Engineers and Scientists II  4 hrs
     or
     CHM 2046  Chemistry Fundamentals I and  3 hrs
     CHM 2046L  Chemistry Fundamentals Laboratory  1 hr
     or
     BSC 2011C  Biology II  4 hrs

4. Core Requirements: Advanced Level  (17 hrs)
   - Economics
     ECO 3410  Mathematical Economics  3 hrs
     ECO 4412  Econometrics  3 hrs
     MAA 4226  Advanced Calculus I  4 hrs
     MAP 4103  Mathematical Modeling I  3 hrs
     MAS 3106  Linear Algebra  4 hrs

5. Restricted Electives  (18 hrs)
   - Select three courses from each of the following two areas:
   Area 1  9 hrs
     COT 4500  Numerical Calculus  3 hrs
     MAD 4203  Applied Combinatorics  3 hrs
     MAP 4113  Probability, Random Processes and  3 hrs
     Applications I
     MAP 4307  Applications of Complex Variables (Advanced  3 hrs
     Engineering Math Series)
     MAP 4363  Applied Boundary Value Problems I  3 hrs
   Area 2  9 hrs
     ECO 3703  International Microeconomics  3 hrs
     ECO 4504  Public Economics  3 hrs
     ECO 4713  International Macroeconomics  3 hrs
     ECP 4303  Environmental and Natural Resource  3 hrs
     Economics
     ECP 4403  Industrial Organization and Game Theory  3 hrs
     STA 4322  Statistical Theory II  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 proficien-
     cy 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 depart-
     ment.

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - Students must earn a grade of “C” (2.0) or better in each
      course applied towards the major as well as a 2.0 overall aver-
      age.
    - Computer Competency met by one of the following:
      COP 3223  Introduction to Programming with C  3 hrs
      ECO 4451  Research Methods in Economics  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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
   - 120

Advising Notes
   - None

Transfer Notes
   - Courses taken at community colleges do not substitute for
     Upper Division courses
   - Courses transferred must be formally evaluated for equiva-
     lency credit. The student must provide a course syllabus and
     any other supporting information with his/her petition for this
     evaluation.

Acceptable Substitutes for Transfer Courses
   - Substitutes for common program prerequisites if taken prior
     to transferring to UCF.
   - Computer Programming: may use any programming lan-
     guage course with a COP prefix.

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  16 hrs
   GEP  3 hrs
   COP 3223  Introduction to Programming with C  3 hrs
   ENC 1101  Composition I  3 hrs
   MAC 2311  Calculus with Analytic Geometry I  4 hrs
   STA 2023  Statistical Methods I  3 hrs

UNIVERSITY OF CENTRAL FLORIDA
## UCF Degree Programs

### Mathematics - Pure Track (B.S.)

**College of Sciences**

**Department of Mathematics, Math and Physics, Room: 207**

[http://math.ucf.edu](http://math.ucf.edu)

**E-mail:** math@mail.ucf.edu

Dr. H. Martin, MAP 215A, martin@math.ucf.edu, 407-823-5700

Phone: 407-823-6284

The Department of Mathematics offers some courses with the same prefix and number as listed in requirements 1, 2, and 3, but with a suffix of H. These are for students in the Honors Program.

### 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 required course.

### 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)

### Co-op or internship credit cannot be used in this major.
- Students should consult with a departmental advisor.
- 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 2311 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 Differential Equations (3 hrs)

### 1. UCF General Education Program (GEP) (38 hrs)
- (Note: Certain courses must be selected for this major, bringing GEP hours above 36)

#### A: Communication Foundations (9 hrs)

#### B: Cultural & Historical Foundations (9 hrs)

#### C: Mathematical Foundations (7 hrs)

- **Required** COP 3502C Computer Science I (3 hrs)
- **Required** MAC 2311 Calculus with Analytic Geometry I (4 hrs)

#### D: Social Foundations (6 hrs)

#### E: Science Foundations (7 hrs)

- **E.1: Physical Sciences**
  - Required **PHY 2048C** Physics for Engineers & Scientists I (4 hrs)

- **E.2: Life & Earth Sciences:**
  - Select a listed course (3 hrs)

#### 2. Common Program Prerequisites (CPP) (18 hrs)

- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
- See Transfer Notes for possible substitutions of certain courses.

#### 3. Core Requirements: Basic Level (3 hrs)

- **MAP 2302** Differential Equations (CPP)
- **PHY 2048C** Physics for Engineers & Scientists I (GEP/CPP)
- **PHY 2049C** Physics for Engineers and Scientists II (CPP)
- **STA 2023** Statistical Methods I (3 hrs)

#### 4. Core Requirements: Advanced Level (42 hrs)

- **COP 3502C** Computer Science I (GEP)
- **MAP 2202** Advanced Calculus I (4 hrs)
- **MA 2227** Advanced Calculus II (3 hrs)
- **MAP 2030** Applied Combinatorics (3 hrs)
- **MAP 4307** Applications of Complex Variables (Advanced Engineering Math Series) (3 hrs)
- **MAP 4363** Applied Boundary Value Problems I (3 hrs)
- **MAS 3105** Matrix and Linear Algebra (4 hrs)
- **MAS 3106** Linear Algebra (4 hrs)
- **MAS 4301** Abstract Algebra I (3 hrs)
- **MTH 3302** Logic and Proof in Mathematics (3 hrs)
- **MTG 4302** Introduction to Topology (3 hrs)
- **STA 4321** Statistical Theory I (3 hrs)
- **STA 4322** Statistical Theory II (3 hrs)

### Select 1:
- **ENC 3241** Writing for the Technical Professional or **ENC 3310** Magazine Writing I (3 hrs)
- **ENC 3311** Advanced Expository Writing (3 hrs)
UCF Degree Programs

5. Restricted Electives (3 hrs)
   Biological or physical sciences electives (3 hrs)
   - Note: Students must satisfy course prerequisites before enrolling in these courses.

   Select 1: 3 hrs
   - CHM 2046 Chemistry Fundamentals II or 3 hrs
   - CHM 2210 Organic Chemistry I or 3 hrs
   - PCB 3044 Principles of Ecology or 3 hrs
   - PCB 3063 Genetics or 3 hrs
   - PCB 4302C Physiochemical Limnology or 4 hrs
   - PCB 4303C Biological Limnology or 4 hrs
   - PHY 3101 Physics for Engineers and Scientists III or 3 hrs
   - PHY 3323 Electricity and Magnetism I or 3 hrs
   - PHY 4424 Optics 3 hrs

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 required in the degree program.
    - Participate in an exit interview.
    - Before applying to graduate, the CLAS must be completely satisfied.
    - Computer Competency met by the following:
      - COP 3502C Computer Science I 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 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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
   - 120

Honors In Major
   - None

Related Programs
   - Computer Science
   - Mathematics - Applied Track
   - Mathematics - Mathematical Economics Track
   - Mathematics Education
   - Statistics

Certificates
   - None

Related Minors
   - Computer Science
   - Economics
   - Mathematics
   - Physics
   - Statistics

Advising Notes
   - None

Transfer Notes
   - Lower division courses taken at community colleges 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.
     - Physics: may use any PHY, CHM or BSC course with a lab designed for science majors; however, these 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.
   - Prior to enrolling in Chemistry, take Chemistry Placement Test ~ http://chemplacement.sdes.ucf.edu
   - Prior to enrolling in Math, take Math Placement Test ~ http://mcmathplacement.sdes.ucf.edu/

Freshman Year - Fall 13 hrs
   - GEP 3 hrs
   - MAC 2311 Calculus with Analytic Geometry I 4 hrs
   - STA 2023 Statistical Methods I 3 hrs

Freshman Year - Spring 16 hrs
   - GEP 3 hrs
   - GEP 3 hrs
   - Free Elective 3 hrs
   - MAC 2312 Calculus with Analytic Geometry II 4 hrs
   - MHF 3302 Logic and Proof in Mathematics 3 hrs

Sophomore Year - Fall 15 hrs
   - GEP 3 hrs
   - MAC 2313 Calculus with Analytic Geometry III 4 hrs
   - MAS 3105 Matrix and Linear Algebra 4 hrs
   - PHY 2049C Physics for Engineers & Scientists I 4 hrs

Sophomore Year - Spring 14 hrs
   - GEP 3 hrs
   - MAP 2302 Differential Equations 3 hrs
   - MAS 3106 Linear Algebra 4 hrs
   - PHY 2049C Physics for Engineers & Scientists II 4 hrs

Junior Year - Fall 15 hrs
   - Free Elective 3 hrs
   - Free Elective 3 hrs
   - COP 3223 Introduction to Programming with C 3 hrs
   - MAP 4363 Applied Boundary Value Problems I 3 hrs
   - MAS 4301 Abstract Algebra I 3 hrs

Junior Year - Spring 16 hrs
   - Restricted Elective 4 hrs
   - Free Elective 3 hrs
   - Free Elective 4 hrs
   - COP 3502C Computer Science I 3 hrs
   - MAP 4307 Applications of Complex Variables (Advanced Engineering Math Series) 3 hrs

Senior Year - Fall 16 hrs
   - GEP 3 hrs
   - ENC 3241 Writing for the Technical Professional 3 hrs
   - MAA 4226 Advanced Calculus I 4 hrs
   - MAD 4203 Applied Combinatorics 3 hrs
   - STA 4321 Statistical Theory I 3 hrs

Senior Year - Spring 16 hrs
   - GEP 3 hrs
   - Free Elective 4 hrs
   - MAD 4227 Advanced Calculus II 3 hrs
   - MTG 4302 Introduction to Topology 3 hrs
   - STA 4322 Statistical Theory II 3 hrs

UNIVERSITY OF CENTRAL FLORIDA

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### Mathematics Education (B.S.)

**College of Education**

**Department of Teaching and Learning Principles, Education Building, Room: 209**

[http://education.ucf.edu/mathed](http://education.ucf.edu/mathed)

Dr. Janet Andreassen, ED 123Q, jandreas@mail.ucf.edu, 407-823-5430  
Dr. Erhan Haciomeroglu, ED 115L, erhansh@mail.ucf.edu, 407-823-4336

### Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university.
- Have a minimum 2.5 overall GPA.
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).
- 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.

### 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.
- 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)

Students are advised to take the preferred courses.

<table>
<thead>
<tr>
<th>Courses</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>A: Communication Foundations</strong></td>
<td>(9 hrs)</td>
</tr>
<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>Prefer SPC 1608 Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>B: Cultural &amp; Historical Foundations</strong></td>
<td>(9 hrs)</td>
</tr>
<tr>
<td>Prefer AMH 2010 U.S. History: 1492-1877</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Prefer AMH 2020 U.S. History: 1877-Present</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Prefer PHI 1010 Introduction to Philosophy</td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>C: Mathematical Foundations</strong></td>
<td>(7 hrs)</td>
</tr>
<tr>
<td>Required MAC 2311 Calculus with Analytic Geometry I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>Required STA 2023 Statistical Methods I</td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>D: Social Foundations</strong></td>
<td>(6 hrs)</td>
</tr>
<tr>
<td>Prefer POS 2041 American National Government</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Prefer PSY 2021 General Psychology</td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>E: Science Foundations</strong></td>
<td>(6 hrs)</td>
</tr>
<tr>
<td>Prefer PSC 1121 Physical Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Select 1:</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Prefer ANT 2511 The Human Species or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Prefer BSC 1005 Biological Principles</td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>2. Common Program Prerequisites (CPP)</strong></td>
<td>(9 hrs)</td>
</tr>
<tr>
<td>Select “Common Prerequisites” in the Transfer and Transitions Services section for more information.</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Take all of the following:</strong></td>
<td>9 hrs</td>
</tr>
<tr>
<td>EDF 2055 Introduction to the Teaching Profession and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDF 2085 Introduction to Diversity for Educators and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EME 2040 Introduction to Technology for Educators</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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.

#### 3. Core Requirements: Basic Level (14 hrs)

- Students should consult advisor regarding course options.

<table>
<thead>
<tr>
<th>Courses</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 2130 Child and Adolescent Development for Educators</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 2311 Calculus with Analytic Geometry I</td>
<td>GEP</td>
</tr>
<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>MAP 2302 Differential Equations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 2023 Statistical Methods I</td>
<td>GEP</td>
</tr>
</tbody>
</table>

1. Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

### 4. Core Requirements: Advanced Level (60 hrs)

**Education Core Requirements** 18 hrs
- Prior to Internship I, the student must have completed EDG 4410 and at least 50% of all required mathematics 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 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.

<table>
<thead>
<tr>
<th>Courses</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDG 4467 Learning Theory and Assessment</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDG 4410 Teaching Strategies and Classroom Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEX 4242 Teaching Exceptional Students in Secondary Settings</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RED 4043 Content Reading in Kindergarten through Grade 12, TSL 4080</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Internship I Block** 7 hrs
- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
- 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/

<table>
<thead>
<tr>
<th>Courses</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAE 3940 Internship</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAE 4360 Mathematics Instructional Analysis</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

1. 3 hours

**Specialization Requirements** 23 hrs
- A grade of "C-" (1.75) or better is required.

<table>
<thead>
<tr>
<th>Courses</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAE 4634 Programs in Teaching of Mathematics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAS 3105 Matrix and Linear Algebra</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAS 3203 Introduction to Number Theory</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MHP 3302 Logic and Proof in Mathematics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MHP 4404 History of Mathematics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MTG 4212 Modern Geometries</td>
<td>4 hrs</td>
</tr>
<tr>
<td>STA 4163 Statistical Methods II</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Internship II** 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.

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**UCF Degree Programs**

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UCF Degree Programs

- Passing scores on the Subject Area Examination (Mathematics 6-12) portion of the Florida Teacher Certification Examination is strongly recommended 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.
- Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the preprofessional level in accordance with State Board of Education Rule 6A-5.066.

5. Restricted Electives
   (0 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
   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.
    - Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
    - Pass all applicable sections of the Florida Teacher Certification 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 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, the CLAS and nine hours of Summer credit (if applicable)

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)

<table>
<thead>
<tr>
<th>Freshman Year - Fall</th>
<th>13 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 2085</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 1101</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 2311</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PSC 1121</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Freshman Year - Spring</th>
<th>16 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 2010</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 2312</td>
<td>4 hrs</td>
</tr>
<tr>
<td>SPC 1608</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Select 1:</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2511</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BSC 1005</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Freshman Year - Summer</th>
<th>10 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 2005</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 2313</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PHI 2010</td>
<td>3 hrs</td>
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</table>

<table>
<thead>
<tr>
<th>Sophomore Year - Fall</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAP 2302</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MHF 3302</td>
<td>3 hrs</td>
</tr>
<tr>
<td>POS 2041</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 2023</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sophomore Year - Spring</th>
<th>16 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 2020</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDF 2130</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EME 2040</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAS 3105</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAS 3203</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1 Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

<table>
<thead>
<tr>
<th>Junior Year - Fall</th>
<th>13 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 4467</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDG 4410</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEX 4242</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MTG 4212</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Junior Year - Spring</th>
<th>12 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAE 4334</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RED 4043</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 4163</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TSL 4080</td>
<td>3 hrs</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Senior Year - Fall</th>
<th>13 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 4603</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAE 3940</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAE 4360</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MGF 4404</td>
<td>3 hrs</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Senior Year - Spring</th>
<th>12 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAE 4941</td>
<td>12 hrs</td>
</tr>
</tbody>
</table>

| Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oelas.ucf.edu/alc/academic_learning_compacts.htm |
Mechanical Engineering (B.S.M.E.)
College of Engineering and Computer Science
Department of Mechanical, Materials, and Aerospace Engineering, Engineering, Room: 307
http://www.mmae.ucf.edu
E-mail: mmaeugrad@mail.ucf.edu
Dr. Kuo-Chi Lin, klin@mail.ucf.edu, 407-823-0137
Ms. Waheeda Illasarie, willasar@mail.ucf.edu, 407-823-5448
Phone: 407-823-2416

Admission Requirements

None

Degree Requirements

None

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 within the Florida State University/Community College Systems 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
   
   Prefer SPC 1603 Fundamentals of Technical Presentations or Suggested 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 2311 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 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics
   3 hrs
   Prefer ECO 2013 Principles of Microeconomics
   3 hrs
   Select one class from Social Foundations
   3 hrs

   E: Science Foundations (7 hrs)
   
   Required PHY 2048C Physics for Engineers & Scientists 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.
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

   ENC 1101 Composition I
   GEP
   ENC 1102 Composition II
   GEP
   1 MAC 2311 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 Differential Equations
   3 hrs
   1 PHY 2048C Physics for Engineers & Scientists I
   GEP
   PHY 2049C
   Physics for Engineers and Scientists II
   4 hrs

   Select 1:
   2 CHM 2040C Chemistry Fundamentals I A or
   2 CHM 2041C Chemistry Fundamentals IB or
   2 CHM 2045C Chemistry Fundamentals I or
   2 CHS 1440 Fundamentals of Chemistry for Engineers
   4 hrs
   1 A “C” (2.0) or better is required in this course.
   2 A “C” (2.0) or better is required in this course. Must also take CHM 2041C as 2nd part of sequence.
   3 A “C” (2.0) or better is required in this course. Must also take CHM 2040C as 1st part of sequence

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.
   - EGN 1006C Introduction to the Engineering Profession
   1 hr
   - EGN 1007C Engineering Concepts and Methods
   1 hr

4. Core Requirements: Advanced Level (65 hrs)

   Required Courses: Advanced 44 hrs
   - EGM 3601 Solid Mechanics
   3 hrs
   - EGN 3310 Engineering Analysis-Statics
   3 hrs
   - EGN 3321 Engineering Analysis-Dynamics
   3 hrs
   - EGN 3343 Thermodynamics
   3 hrs
   - EGN 3365 Structure and Properties of Materials
   3 hrs
   - EGN 3373 Principles of Electrical Engineering
   3 hrs
   - EML 3034C Modeling Methods in Mechanical and Aerospace Engineering
   3 hrs
   - EML 3303C Mechanical Engineering Measurements
   3 hrs
   - EML 3500 Machine Design and Analysis
   3 hrs
   - EML 3701 Fluid Mechanics I
   3 hrs
   - EML 4142 Heat Transfer
   3 hrs
   - EML 4220 Vibration Analysis
   3 hrs
   - EML 4312C Feedback Control
   3 hrs
   - EML 4535C CAD/CAM
   3 hrs
   - STA 3032 Probability and Statistics for Engineers
   3 hrs
   - Select one of the following three options for your senior year to complete your BSME:

   Energy Systems Option 21 hrs
   - EML 3101 Thermodynamics of Mechanical Systems and Energy
   3 hrs
   - EML 4145 Topics in Heat Transfer
   2 hrs
   - EML 4221C Mechanical Systems Experimental Techniques
   2 hrs
   - EML 4304C Design of Thermo-Fluid Experiment
   2 hrs
   - EML 4703 Fluid Mechanics II
   3 hrs
   - Approved Electives
   9 hrs

   Mechanical Systems Option 21 hrs
   - EGM 3601L Solid Mechanics Lab
   2 hrs
   - EML 3262 Kinematics of Mechanisms
   3 hrs
   - EML 4221C Mechanical Systems Experimental Techniques
   2 hrs
   - EML 4304C Design of Thermo-Fluid Experiment
   2 hrs
   - Approved Electives
   12 hrs

   Materials Option 21 hrs
   - EMA 3012C Experimental Techniques in Mechanics and Materials
   3 hrs
   - EMA 3124 Design and Selection of Materials
   3 hrs
   - EMA 4102 Thermodynamics and Kinetics of Materials
   3 hrs
   - EMA 4223 Fundamentals of Mechanical Behavior of Materials
   3 hrs
   - Approved Electives
   9 hrs

5. Restricted Electives (0 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 the approved restricted and technical electives and the terms when specific courses of this type are to be offered.
   http://mmae.ucf.edu/Academics/Undergraduate/Approved%20Electives.pdf
### UCF Degree Programs

#### 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.

<table>
<thead>
<tr>
<th>Select 1:</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 4412C</td>
<td>Interdisciplinary Design I or</td>
</tr>
<tr>
<td>EML 4501C</td>
<td>Engineering Design I</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Select 1:</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 4413C</td>
<td>Interdisciplinary Design II or</td>
</tr>
<tr>
<td>EML 4502C</td>
<td>Engineering Design II</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.

- 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, the CLAS and nine hours of Summer credit (if applicable)

#### 8. Electives
- None

#### 9. Additional Requirements
- None

#### 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, the CLAS and nine hours of Summer credit (if applicable)

#### Total Semester Hours Required
- 128

#### Honors In Major
- None

#### Related Programs
- Aerospace Engineering

#### Certificates
- None

#### Related Minors
- Engineering Leadership
- Intelligent Robotic Systems (IRS) - Interdisciplinary

#### Advising Notes

- 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>EML 3990</th>
<th>Mechanical Career and Academic Faculty Advising I</th>
<th>0 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EML 4991</td>
<td>Mechanical Career and Academic Faculty Advising II</td>
<td>0 hrs</td>
</tr>
</tbody>
</table>

#### Transfer Notes
- EGN 1006C and EGN 1007C are required courses for incoming freshmen only. The two credit hours for these courses may be substituted by an approved Mechanical Engineering technical elective for transfer students. However, students may take EGN 1007C in the Spring semester if they do not have knowledge of Mathcad or Mathlab.

- Courses taken from Community Colleges 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.

#### 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.

#### Mechanical Systems Option:

<table>
<thead>
<tr>
<th>Freshman Year - Fall</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 1006C</td>
<td>Introduction to the Engineering Profession</td>
</tr>
<tr>
<td>ENC 1101</td>
<td>Composition I</td>
</tr>
<tr>
<td>MAC 2311</td>
<td>Calculus with Analytic Geometry I</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Select 1:</th>
<th>4 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2040C</td>
<td>Chemistry Fundamentals IA or</td>
</tr>
<tr>
<td>CHM 2045C</td>
<td>Chemistry Fundamentals I or</td>
</tr>
<tr>
<td>CHS 1440</td>
<td>Fundamentals of Chemistry for Engineers</td>
</tr>
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</table>

1 Must take CHM 2041C to complete the sequence

<table>
<thead>
<tr>
<th>Freshman Year - Spring</th>
<th>15 hrs</th>
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</thead>
<tbody>
<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 1007C</td>
<td>Engineering Concepts and Methods</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>Composition II</td>
</tr>
<tr>
<td>MAC 2312</td>
<td>Calculus with Analytic Geometry II</td>
</tr>
<tr>
<td>PHY 2047C</td>
<td>Physics for Engineers &amp; Scientists I</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Sophomore Year - Fall</th>
<th>13 hrs</th>
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<tbody>
<tr>
<td>EGN 3310</td>
<td>Engineering Analysis-Statics</td>
</tr>
<tr>
<td>MAC 2302</td>
<td>Differential Equations</td>
</tr>
<tr>
<td>STA 3032</td>
<td>Probability and Statistics for Engineers</td>
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<table>
<thead>
<tr>
<th>Sophomore Year - Spring</th>
<th>12 hrs</th>
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<tbody>
<tr>
<td>EGM 3601</td>
<td>Solid Mechanics</td>
</tr>
<tr>
<td>EGN 3321</td>
<td>Engineering Analysis-Dynamics</td>
</tr>
<tr>
<td>EGN 3343</td>
<td>Thermodynamics</td>
</tr>
<tr>
<td>EGN 3373</td>
<td>Principles of Electrical Engineering</td>
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<table>
<thead>
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<tr>
<td>GEP</td>
<td>3 hrs</td>
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<tr>
<td>EGN 3365</td>
<td>Structure and Properties of Materials</td>
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<table>
<thead>
<tr>
<th>Junior Year - Fall</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 3034C</td>
<td>Modeling Methods in Mechanical and Aerospace Engineering</td>
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<tr>
<td>EML 3303C</td>
<td>Mechanical Engineering Measurements</td>
</tr>
<tr>
<td>EML 3500</td>
<td>Machine Design and Analysis</td>
</tr>
<tr>
<td>EML 3701</td>
<td>Fluid Mechanics</td>
</tr>
<tr>
<td>EML 3990</td>
<td>Mechanical Career and Academic Faculty Advising I</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Junior Year - Spring</th>
<th>12 hrs</th>
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<tbody>
<tr>
<td>Upper Division Elective</td>
<td>3 hrs</td>
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<tr>
<td>EML 4142</td>
<td>Heat Transfer</td>
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<tr>
<td>EML 4220</td>
<td>Vibration Analysis</td>
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<tr>
<td>EML 4535C</td>
<td>CAD/CAM</td>
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<table>
<thead>
<tr>
<th>Senior Year - Fall</th>
<th>14 hrs</th>
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<tbody>
<tr>
<td>Upper Division Elective</td>
<td>3 hrs</td>
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<tr>
<td>EML 3262</td>
<td>Kinematics of Mechanisms</td>
</tr>
<tr>
<td>EML 4221C</td>
<td>Mechanical Systems Experimental Techniques</td>
</tr>
<tr>
<td>EML 4312C</td>
<td>Feedback Control</td>
</tr>
<tr>
<td>EML 4991</td>
<td>Mechanical Career and Academic Faculty Advising II</td>
</tr>
</tbody>
</table>
Medial 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. P. E. Kolattukudy, Chair
Ms. Dorilyn Hitchcock, Program Director, hitchcod@mail.ucf.edu
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).

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 Public University/Community College System.
- Students should consult with a departmental advisor.
- The courses designated in sections 1 and 2 below may 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.
- Students who change degree programs and select this major must adopt the most current catalog.
- The courses designated in sections 1 and 2 below may be completed in the first 60 hours.
- An FDLE background check and Board of Clinical Lab Personnel trainees license are required.

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 (8 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
2. Common Program Prerequisites (CPP) (25 hrs)

- 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>BSC 2010C</td>
<td>Biology I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 MCB 3020C</td>
<td>General Microbiology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>2 MCB 3070C</td>
<td>Human Physiology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Statistical Methods I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>2 ZOO 3733C</td>
<td>Human Anatomy</td>
<td>3 hrs</td>
</tr>
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</table>

Take all of the following: 4 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2045C</td>
<td>Chemistry Fundamentals I and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2046</td>
<td>Chemistry Fundamentals II and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2046L</td>
<td>Chemistry Fundamentals Laboratory</td>
<td>1 hr</td>
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</table>

Take all of the following: 8 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>CHM 2210</td>
<td>Organic Chemistry I and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2211</td>
<td>Organic Chemistry II and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2211L</td>
<td>Organic Laboratory Techniques I</td>
<td>2 hrs</td>
</tr>
</tbody>
</table>

1 See Transfer Notes

3. Core Requirements: Basic Level (0 hrs)

- None

4. Core Requirements: Advanced Level (64 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 3403C</td>
<td>Quantitative Biological Methods</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CGS 1060C</td>
<td>Introduction to Computer Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MLS 3220C</td>
<td>Techniques in Clinical Microscopy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MLS 3305</td>
<td>Hematology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MLS 3305L</td>
<td>Hematology Lab</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MLS 3705</td>
<td>Concepts in Education/Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MLS 4334</td>
<td>Hemostasis</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MLS 4430C</td>
<td>Clinical Parasitology</td>
<td>2 hrs</td>
</tr>
<tr>
<td>MLS 4460C</td>
<td>Clinical Pathogenic Microbiology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MLS 4505C</td>
<td>Immunodiagnosics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MLS 4550C</td>
<td>Clinical Immunohematology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MLS 4625</td>
<td>Advanced Clinical Chemistry I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MLS 4625L</td>
<td>Advanced Clinical Chem I Lab</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MLS 4630</td>
<td>Advanced Clinical Chemistry II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MLS 4830C</td>
<td>Interpretive &amp; Practical Clinical Chemistry</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MLS 4831C</td>
<td>Interpretive &amp; Practical Immunohematology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MLS 4832C</td>
<td>Interpretive &amp; Practical Hematology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MLS 4833C</td>
<td>Diagnostic Microbiology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MLS 4910</td>
<td>Introduction to Clinical Research</td>
<td>1 hr</td>
</tr>
<tr>
<td>MLS 4933</td>
<td>Medical Technology Seminar</td>
<td>2 hrs</td>
</tr>
<tr>
<td>PCB 3233</td>
<td>Immunology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 3233L</td>
<td>Immunology Laboratory</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

5. Restricted Electives (0 hrs)

- 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.

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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

- 126

Honors in Major

- None

Related Programs

- Biology
- Chemistry
- Molecular Biology and Microbiology

Certificates

- None

Related Minors

- Biology
- Chemistry
- Molecular Biology and Microbiology

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

- MCB 3020C General Microbiology 5 hrs
- MCB 2010C Human Anatomy and Physiology I and II (BSC 2093/BSC 2094) 8 hrs

Plan of Study

Freshman Year - Fall 16 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CGS 1060C</td>
<td>Introduction to Computer Science</td>
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</tr>
<tr>
<td>CHM 2045C</td>
<td>Chemistry Fundamentals I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 1101</td>
<td>Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 1105</td>
<td>College Algebra</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPC 1608</td>
<td>Fundamentals of Oral Communication</td>
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</table>

Freshman Year - Spring 17 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>BSC 2010C</td>
<td>Biology I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 2046</td>
<td>Chemistry Fundamentals II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2046L</td>
<td>Chemistry Fundamentals Laboratory</td>
<td>1 hr</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Statistical Methods I</td>
<td>3 hrs</td>
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Select 1:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>ANT 2000</td>
<td>General Anthropology</td>
<td>3 hrs</td>
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<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
<td>3 hrs</td>
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<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
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Sophomore Year - Fall 16 hrs

<table>
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<th>Course Title</th>
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</thead>
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<tr>
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<td>Organic Chemistry I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ZOO 3733C</td>
<td>Human Anatomy</td>
<td>4 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>ECO 2013</td>
<td>Principles of Macroeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>POS 2041</td>
<td>American National Government</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
### Modern Language Combination (B.A.)

**College of Arts and Humanities**

**Department of Modern Languages and Literatures, Colburn Hall, Room: 523**


**E-mail: forlang@mail.ucf.edu**

Dr. Paul Giordano, 407-823-2472

Placement in Language courses: Placement in language courses is based on one year of high school language being equivalent to one semester of college work. Students must consult an advisor. Native speakers or students who have received advanced education abroad must substitute select classes.

### 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

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## UCF Degree Programs

### 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 MGF 1106 Finite Mathematics 3 hrs

**Select 1:**

- Prefer CGS 1060C Introduction to Computer Science 3 hrs
- Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

**1 (may substitute a higher level math)**

### D: Social Foundations

(6 hrs)

**E: Science Foundations** (6 hrs)

### 2. Common Program Prerequisites (CPP) (0 hrs)

- Completion of intermediate level of proficiency.
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

### 3. Core Requirements: Basic Level

(0 hrs)

### 4. Core Requirements: Advanced Level

(39 hrs)

**First Language (French, German or Spanish)** 24 hrs

**Composition (Select One)** 3 hrs

- FRE 3420 French Composition or 3 hrs
- FRE 4422 Advanced French Composition or 3 hrs
- GER 3420 Intensive German Composition or 3 hrs
- SPN 3420 Spanish Composition 3 hrs

**Oral Communication (Select One)** 3 hrs

- FRE 3760 Advanced French Oral Communication or 3 hrs
- FRE 4421 Advanced French Conversation or 3 hrs
- GER 3760 Advanced German Oral Communication or 3 hrs
- SPN 3760 Advanced Spanish Oral Communication 3 hrs

**Linguistics (Select One)** 3 hrs

- FOL 3730 Romance Philology or 3 hrs
- FRE 3780 French Phonetics and Diction or 3 hrs
- GER 3780 German Phonetics and Diction or 3 hrs
- SPN 4780 Spanish Phonetics or 3 hrs
- SPN 4800 Spanish-American Syntax or 3 hrs
- SPN 4801 Spanish Morphology or 3 hrs
Literature (select one sequence)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPW 3100</td>
<td>Survey of Spanish Literature I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPW 3101</td>
<td>Survey of Spanish Literature II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>or</td>
<td>SPW 3130</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPW 3131</td>
<td>Survey of Latin-American Literature II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>or</td>
<td>FRW 3100</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FRW 3101</td>
<td>Survey of French Literature II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>or</td>
<td>GEW 3100</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEW 3101</td>
<td>Survey of German Literature II</td>
<td>3 hrs</td>
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</tbody>
</table>

1 A native or near-native speaker must substitute an alternate upper division language course in consultation with a departmental advisor.

Second Language (French, German, Spanish or Italian)

Communication (Select One)

<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Hours</th>
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<tbody>
<tr>
<td>FRE 3420</td>
<td>French Composition or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GER 3420</td>
<td>Intensive German Composition or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ITA 3420</td>
<td>Italian Composition or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPN 3420</td>
<td>Spanish Composition</td>
<td>3 hrs</td>
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</table>

Advanced Oral Communication (select one)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>FRE 3760</td>
<td>Advanced French Oral Communication or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GER 3760</td>
<td>Advanced German Oral Communication or</td>
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</tr>
<tr>
<td>ITA 3760</td>
<td>Advanced Italian Oral Communication or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPN 3760</td>
<td>Advanced Spanish Oral Communication</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

5. Restricted Electives (0 hrs)

Restricted Electives in the First Language

- chosen with departmental advisor

Restricted Electives in the Second Language

- chosen with departmental advisor

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Met by Graduation requirements.

Graduation

- Met by degree program requirements (four semesters or proficiency).

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 39 hrs of upper division Modern Language courses
- Students are required to satisfactorily complete a departmental exit exam (primary track)
- Computer Competency met by the following: CGS 1060C - Introduction to Computer Science 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 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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

- 120

Honors in Major

- None

Related Programs

- French
- Spanish

Certificates

- None

Related Minors

- French
- German
- Italian
- Judaic Studies
- Latin American Area Studies
- Spanish

Advising Notes

- None

Transfer Notes

- Courses taken at community colleges 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 16 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 GEP</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 GEP</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 GEP</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 CPP</td>
<td></td>
<td>4 hrs</td>
</tr>
<tr>
<td>ENC 1101</td>
<td>Composition I</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1 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 - Spring 16 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 GEP</td>
<td></td>
<td>3 hrs</td>
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<td>3 hrs</td>
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<tr>
<td>1 GEP</td>
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<td>3 hrs</td>
</tr>
<tr>
<td>1 CPP</td>
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<tr>
<td>ENC 1102</td>
<td>Composition II</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1 Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Sophomore Year - Fall 16 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>1 GEP</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 GEP</td>
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<td>3 hrs</td>
</tr>
<tr>
<td>1 GEP</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 CPP</td>
<td></td>
<td>4 hrs</td>
</tr>
<tr>
<td>FRE 1120C</td>
<td>Elementary French Language and Civilization I</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

1 Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

2 Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.
### Sophomore Year - Spring
- **15 hrs**
- 1 GEP 3 hrs
- 1 CPP 3 hrs
- 1 Restricted Elective 2 hrs
- 1 Restricted Elective 3 hrs
- FRE 1121C Elementary French Language and Civilization II 4 hrs

Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

### Junior Year - Fall
- **15 hrs**
- 1 Core Course 3 hrs
- 1 Core Course 3 hrs
- 1 Restricted Elective 3 hrs
- FRE 2200 Intermediate French Language and Civilization I 3 hrs

Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

### Junior Year - Spring
- **15 hrs**
- 1 Core Course 3 hrs
- 1 Core Course 3 hrs
- 1 Restricted Elective 3 hrs
- 2 Restricted Elective 3 hrs

Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

### Senior Year - Fall
- **15 hrs**
- 1 Core Course 3 hrs
- 1 Core Course 3 hrs
- 1 Core Course 3 hrs
- 1 Restricted Elective 3 hrs

Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

### Senior Year - Spring
- **12 hrs**
- 1 Core Course 3 hrs
- 1 Core Course 3 hrs
- 1 Core Course 3 hrs
- 1 Restricted Elective 3 hrs

Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

---

### Molecular Biology and Microbiology (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](http://www.biomed.ucf.edu)
**E-mail:** bcbsinfo@mail.ucf.edu
Dr. P.E. Kolattukudy, Chair
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 Public University/Community College System.
- Students should consult with a departmental advisor.

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**
   - Required ENC 1101 Composition I 3 hrs
   - Required ENC 1102 Composition II 3 hrs
   - Prefer SPC 1603 Fundamentals of Technical Presentations 3 hrs

   **B: Cultural & Historical Foundations (9 hrs)**

   **C: Mathematical Foundations**
   - Select 1: MAC 2253 Applied Calculus I or MAC 2311 Calculus with Analytic Geometry I 4 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
   - Or PHY 2053C College Physics I 4 hrs
   - Or PHY 2054C College Physics II 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
   **BSC 2011C**  Biology II  GEP
   **CHM 2045C**  Chemistry Fundamentals I  GEP
   **CHM 2046**  Chemistry Fundamentals II  GEP
   **CHM 2046L**  Chemistry Fundamentals Laboratory 1 hr
   **MAC 2311**  Calculus with Analytic Geometry I  GEP

3. **Core Requirements: Basic Level (8 hrs)**

4. **Math, Statistics, Computer**
   - Select 1:
     - MAC 2253 Applied Calculus I or MAC 2311 Calculus with Analytic Geometry I 4 hrs
UCF Degree Programs

Select 1: 3 hrs
- CGS 1060C Introduction to Computer Science or
- STA 2023 Statistical Methods I

Chemistry

Take all of the following: 8 hrs
- CHM 2210 Organic Chemistry I and
- CHM 2211 Organic Chemistry II and
- CHM 221L Organic Laboratory Techniques I

4. Core Requirements: Advanced Level (25 hrs)

Life Sciences
- BSC 3403C Quantitative Biological Methods 4 hrs
- MCB 3020C General Microbiology 5 hrs
- MCB 4414 Microbial Metabolism 3 hrs
- PCB 2233L Immunology Laboratory 1 hr
- PCB 3522 Molecular Biology I 3 hrs
- PCB 4239 Molecular Immunology 3 hrs
- PCB 4524 Molecular Biology II 3 hrs

Chemistry
- BCH 4053 Biochemistry I 3 hrs

5. Restricted Electives (0 hrs)

(7 courses minimum)
- (Seven courses from the list below, no more than two may be taken outside the Molecular Biology and Microbiology Department and 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 restrictive elective requirement.)
- BCH 4054 Biochemistry II 3 hrs
- BCH 4103L Biochemical Methods 2 hrs
- BOT 4434 General Mycology 4 hrs
- MCB 3202 Principles of Infectious Disease 3 hrs
- MCB 3203 Pathogenic Microbiology 3 hrs
- MCB 3203L Pathogenic Microbiology 1 hr
- MCB 3404 Infectious Diseases 3 hrs
- MCB 4114C Determinative & Systemic Microbiology 4 hrs
- MCB 4203 Infectious Processes 3 hrs
- MCB 4204 Cellular Microbiology: Host-Pathogen Interactions 3 hrs
- MCB 4276 Epidemiology of Infectious Diseases 3 hrs
- MCB 4312 Molecular Biotechnology 3 hrs
- MCB 4503C Virology 3 hrs
- MCB 4603 Environmental Microbiology 3 hrs
- MCB 4721C Methods in Biotechnology 4 hrs
- MCB 4970H Honors Undergraduate Thesis II 1 hr
- MCB 5225 Molecular Biology of Disease 3 hrs
- MCB 5654 Applied Microbiology 3 hrs
- MCB 5932 Current Topics in Molecular Biology 3 hrs
- MLS 3200C Techniques in Clinical Microscopy 3 hrs
- MLS 3305 Hematology 3 hrs
- MLS 4334 Hemostasis 3 hrs
- MLS 4430C Clinical Parasitology 2 hrs
- MLS 4505C Immunodiagnostics 3 hrs
- MLS 4625 Advanced Clinical Chemistry I 3 hrs
- MLS 4630 Advanced Clinical Chemistry II 3 hrs
- PCB 3063 Genetics 3 hrs
- PCB 3703C Human Physiology 4 hrs
- PCB 4028 Molecular and Cellular Pharmacology 3 hrs
- PCB 4174 Foundation of Bio-Imaging Science 3 hrs
- PCB 4235 Cancer Biology 3 hrs
- PCB 4251 Tissue Engineering 3 hrs
- PCB 4264 Stem Cell Biology 3 hrs
- PCB 4528A Genetics II 3 hrs
- PCB 4529 Experimental Molecular Biology 3 hrs
- PCB 4805 Endocrinology 3 hrs
- PCB 5236 Cancer Biology 3 hrs
- PCB 5238 Immunology 3 hrs
- PCB 5275 Signal Transduction Mechanics 3 hrs
- ZOO 3701C Human Gross Anatomy & Dissection 3 hrs
- ZOO 3733C Human Anatomy 4 hrs
- ZOO 3744 Neurobiology 3 hrs
- ZOO 4033C Embryology/Development 5 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
- Variable. Students are encouraged to participate in undergraduate research if interested in pursuing graduate or professional education.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Students must complete all coursework in the baccalaureate curriculum as shown, and earn a GPA of at least 2.0 for all coursework in the Core and Restricted Electives.
- Independent study, directed research, or similar credit may not be used as a Restricted Elective.
- A minimum of 20 hours must be taken at UCF in the department of the major.
- Students will be required to pass 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, the CLAS and nine hours of Summer credit (if applicable)

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):
  - MCB 4970H Honors Undergraduate Thesis II 1 hr
- 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 community college are strongly encouraged to complete the sequence before transferring. If it will not be possible to complete the sequence at the community college, the student should postpone beginning the course until enrolling at UCF. Students may elect to take Human Anatomy and Physiology I (ZOO 3733C) and Human Physiology (PCB 3703C) at UCF in order to meet the University requirement that students complete 48 semester hours of upper division (3000/4000 level) credit. Students meeting the Human Anatomy and Physiology I requirement at the community college (lower division) level must take an additional 8 hours of upper division coursework at UCF.

Acceptable Substitutes for Transfer Courses
- CHM 2041C may be substituted with: CHM 2040C
- BSC 3403C may be substituted with: CHM 2040C
- BSC 3403C may be substituted with: BSC 3403C

Plan of Study

Freshman Year - Fall
- CHM 2045C: Chemistry Fundamentals I 4 hrs
- ENC 1101: Composition I 3 hrs
- MAC 1105: College Algebra 3 hrs
- Select 1: 3 hrs

Freshman Year - Spring
- BSC 2011C: Biology II 4 hrs
- CHM 2046: Chemistry Fundamentals II 3 hrs
- ENC 1102: Composition II 3 hrs
- SYG 2000: Introduction to Sociology 3 hrs

Sophomore Year - Fall
- CHM 2011C: Biology II 4 hrs
- CHM 2045C: Chemistry Fundamentals I 4 hrs
- MAC 3020C: General Microbiology 5 hrs
- Select 1: 4 hrs

Sophomore Year - Spring
- BSC 3403C: Quantitative Biological Methods 4 hrs
- CHM 2211: Organic Chemistry II 3 hrs
- CHM 2211L: Organic Laboratory Techniques I 2 hrs
- Select 1: 3 hrs
- Select 2: 3 hrs

Junior Year - Fall
- PCB 3522: Molecular Biology I 3 hrs
- Select 1: 4 hrs
- Select 2: 4 hrs

Junior Year - Spring
- PCB 4239: Molecular Immunology 3 hrs
- PCB 4524: Molecular Biology II 3 hrs
- SPC 1603: Fundamentals of Technical Presentations 3 hrs
- Select 1: 3 hrs
- Select 2: 3 hrs

Senior Year - Fall
- Restricted Elective 4 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- BCH 4053: Biochemistry I 3 hrs

Senior Year - Spring
- Restricted Elective 4 hrs
- Restricted Elective 4 hrs
- Restricted Elective 4 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
- Full-Time Student: $78 per term
- Part-Time Student: $39 per term

Molecular Biology and Microbiology - 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
E-mail: bcbsinfo@mail.ucf.edu
Dr. P. E. Kolattukudy, Chair
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
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 before transferring within the Florida Public University/Community College System.
- Students should consult with a Departmental advisor and the Pre-health Advisement Office in HPA I 124.

1. UCF General Education Program (GEP) (36 hrs)
   - See Transfer Notes for possible substitutions
   - Services section for more information.

A: Communication Foundations (9 hrs)
   - Required ENC 1101 Composition I 3 hrs
   - Required ENC 1102 Composition II 3 hrs
   - Prefer SPC 1603 Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (6 hrs)
D: Social Foundations (6 hrs)
E: Science 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.
   - Required BSC 2010C Biology I GEP
   - Required CHM 2045C Chemistry Fundamentals I GEP
   - Required CHM 2046 Chemistry Fundamentals II 3 hrs
   - Required CHM 2046L Chemistry Fundamentals Laboratory 1 hr
   - Required MAC 2311 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 Physics for Engineers & Scientists I and 4 hrs
   - or PHY 2049C Physics for Engineers and Scientists II 4 hrs

3. Core Requirements: Basic Level (10 hrs)

Life Sciences: Basic
   - SLS 2311C Overview of Select Medical Careers 2 hrs

Math, Statistics, Computers

Select 1:
   - MAC 2253 Applied Calculus I or 4 hrs
   - MAC 2311 Calculus with Analytic Geometry I GEP

Select 2:
   - CGS 1060C Introduction to Computer Science or 3 hrs
   - STA 2023 Statistical Methods I 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
   - BSC 3403C Quantitative Biological Methods 4 hrs
   - MCB 3020C General Microbiology 5 hrs
   - MCB 4414 Microbial Metabolism 3 hrs
   - PCB 3233L Immunology Laboratory 1 hr
   - PCB 3522 Molecular Biology I 3 hrs
   - PCB 4239 Molecular Immunology 3 hrs
   - PCB 4524 Molecular Biology II 3 hrs

Chemistry
   - BCH 4053 Biochemistry I 3 hrs

5. Restricted Electives (0 hrs)

Seven courses minimum
- Seven courses from below, of which no more than two may be taken outside the Molecular Biology and Microbiology Department and 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 restrictive elective requirement.

- Students in the preprofessional concentration of the Molecular Biology and Microbiology program are recommended to choose from the following restricted electives:
   - BCH 4054 Biochemistry II 3 hrs
   - MCB 3020 Principles of Infectious Disease 3 hrs
   - MCB 3033 Pathogenic Microbiology 3 hrs
   - MCB 3030L Pathogenic Microbiology 1 hr
   - MCB 3404 Bacterial Genetics and Physiology 3 hrs
   - MCB 4203 Infectious Processes 3 hrs
   - MCB 4276 Epidemiology of Infectious Diseases 3 hrs
   - MCB 4312 Molecular Biotechnology 3 hrs
   - MCB 4503C Virology 3 hrs
   - MCB 4970H Honors Undergraduate Thesis II 3 hrs
   - MCB 4525 Molecular Biology of Disease 3 hrs
   - MLS 3305 Hematology 3 hrs
   - MLS 4334 Hemostasis 3 hrs
   - MLS 4430C Clinical Parasitology 2 hrs
   - MLS 4505C Immunodiagnostics 3 hrs
   - PCB 3063 Genetics 3 hrs
   - PCB 3703C Human Physiology 4 hrs
   - PCB 4028 Molecular and Cellular Pharmacology 3 hrs
   - PCB 4235 Cancer Biology 3 hrs
   - PCB 4514 Genetics II 3 hrs
   - PCB 4805 Endocrinology 3 hrs
   - PCB 5238 Immunobiology 3 hrs
   - ZOO 3701C Human Gross Anatomy & Dissection 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
- 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 pass 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, the CLAS and nine hours of Summer credit (if applicable)

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 Quantitative Biological Methods 4 hrs
  - CHM 3020C General Microbiology 5 hrs

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 community college are strongly encouraged to complete the sequence before transferring. If it will not be possible to complete the sequence at the community college, the student should postpone beginning the course until enrolling at UCF. Students may elect to take Human Anatomy (ZOO 3733C) and Human Physiology (PCB 3703C) at UCF in order to meet the University’s requirement that students complete 48 semester hours of upper division (3000/4000 level) credit. Students meeting the Human Anatomy and Physiology I & II requirement at the community college (lower division) must take an additional 8 (eight) hours of upper division coursework at UCF.

Acceptable Substitutes for Transfer Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>BSC 2011C Biology II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 2045C Chemistry Fundamentals I</td>
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</tr>
<tr>
<td>CHM 2045C Chemistry Fundamentals I</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

Plan of Study

**Freshman Year - Fall**
- CHM 2045C Chemistry Fundamentals I 4 hrs
- ENC 1101 Composition I 3 hrs
- MAC 1105 College Algebra 3 hrs

**Select 1:**
- ANT 2000 General Anthropology or
- PSY 2012 General Psychology or
- SYG 2000 Introduction to Sociology 3 hrs

**Freshman Year - Spring**
- BSC 2010C Biology I 4 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- ENC 1102 Composition II 3 hrs
- MAC 1114 College Trigonometry 3 hrs

**Sophomore Year - Fall**
- CHM 2210 Organic Chemistry I 3 hrs
- MCB 3020C General Microbiology 5 hrs

**Select 1:**
- MAC 2253 Applied Calculus I or
- MAC 2311 Calculus with Analytic Geometry I 4 hrs

**Select 1:**
- AMH 2010 U.S. History: 1492-1877 or
- EUH 2000 Western Civilization I or
- HUM 2210 Humanistic Tradition I or
- WOH 2012 World Civilization I 3 hrs

**Sophomore Year - Spring**
- BSC 3403C Quantitative Biological Methods 4 hrs
- CHM 2211 Organic Chemistry II 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs

**Select 1:**
- CGS 1060C Introduction to Computer Science or
- STA 2023 Statistical Methods I 3 hrs

**Select 1:**
- AMH 2020 U.S. History: 1877-Present or
- EUH 2001 Western Civilization II or
- HUM 2230 Humanistic Tradition II or
- WOH 2022 World Civilization II 3 hrs

**Junior Year - Fall**
- 1 BSC 2011C Biology II 4 hrs
- PCB 3522 Molecular Biology I 3 hrs

**Select 1:**
- 1 PHY 2048C Physics for Engineers & Scientists I or
- PHY 2053C College Physics I 4 hrs

**Select 1:**
- ECO 2013 Principles of Macroeconomics or
- POS 2041 American National Government 3 hrs

**Junior Year - Spring**
- Restricted Elective 4 hrs
- Restricted Elective 3 hrs
- BCH 4053 Biochemistry I 3 hrs

**Senior Year - Fall**
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

1. Or BSC 3403C.
2. Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites.
### UCF Degree Programs

#### Music (B.A.)

**College of Arts and Humanities**  
Department of Music, Colbourn Hall, Room: 205A  
Kirk Gay, kgay@mail.ucf.edu, 407-823-5968

#### Admission Requirements
- Each student must either complete an audition that demonstrates satisfactory proficiency or pass an interview with the Academic Advisor.
- 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.

#### UCF General Education Program (GEP)

<table>
<thead>
<tr>
<th>Section</th>
<th>Requirement</th>
<th>Hours</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>
<tr>
<td></td>
<td>SPC 1608 Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>B: Cultural &amp; Historical Foundations</td>
<td>MUH 3211 Music History and Literature I</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>MUH 3212 Music History and Literature II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>C: Mathematical Foundations</td>
<td>MGF 1106 Finite Mathematics</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>STA 1060C Basic Statistics Using Microsoft Excel</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](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

#### Equipment Fees
- Part-Time Student: $39 per term
- Full-Time Student: $78 per term

### Molecular Biology and Microbiology- UCF/USF

#### Accelerated Medical School (B.S.)

**NOTE:** For detailed information, see description of this program in the Accelerated Undergraduate-Graduate Programs section.

#### Degree Requirements

<table>
<thead>
<tr>
<th>Section</th>
<th>Requirement</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. UCF General Education Program (GEP)</td>
<td>(36 hrs)</td>
<td></td>
</tr>
<tr>
<td>2. Common Program Prerequisites (CPP)</td>
<td>(28 hrs)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>See “Common Prerequisites” in the Transfer and Transitions Services section for more information.</td>
<td></td>
</tr>
<tr>
<td>E: Science Foundations</td>
<td>(6 hrs)</td>
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<tr>
<td></td>
<td>MUS 1010 Music Forum</td>
<td>3 hrs</td>
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<tr>
<td></td>
<td>MUS 2360C Introduction to Music Technology</td>
<td>3 hrs</td>
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<tr>
<td></td>
<td>MUT 1121 Music Theory and Musicianship I</td>
<td>4 hrs</td>
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<tr>
<td></td>
<td>MUT 1122 Music Theory and Musicianship II</td>
<td>4 hrs</td>
</tr>
<tr>
<td></td>
<td>MUT 2127 Music Theory and Musicianship IV</td>
<td>4 hrs</td>
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<tr>
<td></td>
<td>MVK 1111 Class Piano I</td>
<td>1 hr</td>
</tr>
<tr>
<td></td>
<td>MVK 1112 Class Piano II</td>
<td>1 hr</td>
</tr>
<tr>
<td></td>
<td>MVK 2121 Class Piano III</td>
<td>1 hr</td>
</tr>
<tr>
<td></td>
<td>MVK 2122 Class Piano IV</td>
<td>1 hr</td>
</tr>
<tr>
<td></td>
<td>MUN XXXX Ensembles</td>
<td>4 hrs</td>
</tr>
<tr>
<td></td>
<td>MVX XXXX Performance</td>
<td>4 hrs</td>
</tr>
<tr>
<td></td>
<td>MUL 2014 Introduction to Music History and Literature</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>MUX XXXX</td>
<td></td>
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<tr>
<td></td>
<td>MUX XXXX</td>
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<tr>
<td></td>
<td>MUX XXXX</td>
<td></td>
</tr>
<tr>
<td>4. Core Requirements: Advanced Level</td>
<td>(3 hrs)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MUH 3211 Music History and Literature I</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>MUH 3212 Music History and Literature II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>5. Restricted Electives</td>
<td>(33 hrs)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Restricted Electives-Music</td>
<td>15 hrs</td>
</tr>
<tr>
<td></td>
<td>Choose from any MUX 3XXX or 4XXX (No more than 6 of these credits can be taken as MUN courses.)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Choose one MUT 3XXX or MUT 4XXX course</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>Restricted Electives-Non-Music</td>
<td>18 hrs</td>
</tr>
<tr>
<td></td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>6. Capstone Requirements</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>MUS 4900 Music BA Capstone Project</td>
<td>3 hrs</td>
</tr>
<tr>
<td>7. Foreign Language Requirements</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### 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.

#### Electives
- Select primarily from upper-level courses.

#### Additional Requirements
- None

#### Required Minors
- None

#### Departmental Exit Requirements
- Earn a grade of “C” (2.0) or better in each Music course.

#### 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, the CLAS and nine hours of Summer credit (if applicable).
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
- None

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
MUL 2014 Introduction to Music History and Literature 3 hrs
MUS 1010 Music Forum 0 hrs
MUT 1121 Music Theory and Musicianship I 4 hrs
MVK 1111 Class Piano I 1 hr
MUN XXXX Ensemble 1 hr
MXV 141X Performance I 2 hrs
GEP E.1. Science Foundation 3 hrs

Freshman Year - Spring 14 hrs
ENC 1102 Composition II 3 hrs
MUS 1010 Music Forum 0 hrs
MUS 2360C Introduction to Music Technology 3 hrs
MUT 1122 Music Theory and Musicianship II 4 hrs
MVK 1112 Class Piano II 1 hr
MUN XXXX Ensemble 1 hr
MXV 141X Performance I 2 hrs

Sophomore Year - Fall 16 hrs
MUS 1010 Music Forum 0 hrs
MUT 2126 Music Theory and Musicianship III 4 hrs
MVK 2121 Class Piano III 1 hr
1 SPC 160B Fundamentals of Oral Communication 3 hrs
STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
MUN XXXX Ensemble 1 hr
XXX 3/4XXX Non-Music Restricted Elective 3 hrs

Sophomore Year - Spring 16 hrs
MGF 1106 Finite Mathematics 3 hrs
MUS 1010 Music Forum 0 hrs
MUT 2127 Music Theory and Musicianship IV 4 hrs
MVK 2122 Class Piano IV 1 hr
MUN XXXX Ensemble 1 hr
GEP B.1. Cultural & Historical Foundation 3 hrs
XXX 1121 Foreign Language 4 hrs

Junior Year - Fall 15 hrs
MUH 3211 Music History and Literature I 3 hrs
GEP B.2. Cultural & Historical Foundation 3 hrs
MUT 3/4XXX 3 hrs
MUS 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
MUX 3/4XXX Music Restricted Elective 3 hrs
MUS 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
MUS 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.oeas.ucf.edu/alc/academic_learning_compacts.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, Colbourn Hall, Room: 205
http://www.music.ucf.edu
E-mail: musicaud@mail.ucf.edu
J. Rupert, jrupert@mail.ucf.edu, 407-823-5411
Kirk Gay, kgay@mail.ucf.edu, 407-823-5068

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/admissionsaudition.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.
UCF Degree Programs

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.

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 MUL 2016 Evolution of Jazz 3 hrs
   Select one course from 1.B.1 list or 1.B.2 list 3 hrs
   Select one course from 1.B.1 list or 1.B.2 list 3 hrs

   C: Mathematical Foundations (6 hrs)
   1 Pref MGF 1106 Finite Mathematics 3 hrs
   Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
   1 (may substitute a higher level math)

   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.
   1 MUN 3713 Jazz Lab 1 hr
   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
   1 Four semesters for total 4 hrs

3. Core Requirements: Basic Level (6 hrs)
   MUL 2014 Introduction to Music History and Literature 3 hrs
   MUL 2016 Evolution of Jazz GEP 3 hrs
   1 MUS 1010 Music Forum 0 hrs
   MUS 2360C Introduction to Music Technology 3 hrs
   1 Eight semesters

4. Core Requirements: Advanced Level (27 hrs)
   MUH 4814 Jazz Styles and Analysis 3 hrs
   MUS 3953 Recital Performance I 0 hrs
   MUS 4320 Music Business and Industry 3 hrs
   MUS 4954 Recital Performance II 0 hrs
   MUT 3170 Jazz Theory I 3 hrs
   MUT 3171 Jazz Theory II 3 hrs
   1 MUT 3923 Jazz Workshop 3 hrs
   Select 1: 3 hrs
   MUH 3211 Music History and Literature I or 3 hrs
   MUH 3212 Music History and Literature II 3 hrs
   1 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 15 hrs
   MVB 1411 Trumpet I and 2 hrs
   MVB 2421 Trumpet II and 2 hrs
   MVB 3431 Trumpet III and 2 hrs
   MVB 4441 Trumpet IV and 4 hrs
   Restricted Electives 5 hrs

   Trombone 15 hrs
   MVB 1413 Trombone I and 2 hrs
   MVB 2423 Trombone II and 2 hrs
   MVB 3433 Trombone III and 2 hrs
   MVB 4443 Trombone IV and 4 hrs
   Restricted Electives 5 hrs

   Saxophone 15 hrs
   MWW 2145 Saxophone I and 2 hrs
   MWW 2425 Saxophone II and 2 hrs
   MWW 3435 Saxophone III and 2 hrs
   MWW 4445 Saxophone IV and 4 hrs
   Restricted Electives 5 hrs

   Jazz Piano 15 hrs
   MVJ 1010 Jazz Piano I and 2 hrs
   MVJ 2220 Jazz Piano II and 2 hrs
   MVJ 3230 Jazz Piano III and 3 hrs
   MVJ 4240 Jazz Piano IV and 4 hrs
   MVK 1211 Secondary Piano and 1 hr
   Restricted Electives 3 hrs

   Jazz Bass 15 hrs
   MVJ 1214 Jazz Bass I and 2 hrs
   MVJ 2224 Jazz Bass II and 2 hrs
   MVJ 3234 Jazz Bass III and 3 hrs
   MVJ 4244 Jazz Bass IV and 4 hrs
   MVJ 1214 Secondary Bass and 1 hr
   Restricted Electives 3 hrs

   Jazz Drum Set 15 hrs
   MVJ 1219 Jazz Drum Set I and 2 hrs
   MVJ 2229 Jazz Drum Set II and 2 hrs
   MVJ 3239 Jazz Drum Set III and 3 hrs
   MVJ 4349 Jazz Drum Set IV and 4 hrs
   MVP 1211 Secondary Percussion and 1 hr
   Restricted Electives 3 hrs

5. Restricted Electives (0 hrs)
   Any secondary performance course not in area of major instrument or
   Any MUC, MUE, MUG, MUH, MUL, MUM, 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
UCF Degree Programs

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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Music
- Music Education
- Theatre

Certificates
- None

Related Minors
- Digital Media
- Music
- Theatre

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges 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

Sophomore Year - Fall
- MUN 3713 Jazz Lab 1 hr
- MUS 1010 Music Forum 0 hrs
- MUT 2127 Music Theory and Musicianship IV 4 hrs
- MUT 3171 Jazz Theory II 3 hrs
- MVK 2122 Class Piano IV 1 hr
- Cultural & Historical Foundation 3 hrs
- MVX 242X Performance II 2 hrs
- Professional Sequence Entrance Review

Sophomore Year - Spring
- MUN 3713 Jazz Lab 1 hr
- MUS 1010 Music Forum 0 hrs
- MUT 2127 Music Theory and Musicianship IV 4 hrs
- MUT 3171 Jazz Theory II 3 hrs
- MVK 2122 Class Piano IV 1 hr
- Cultural & Historical Foundation 3 hrs
- MVX 242X Performance II 2 hrs

Junior Year - Fall
- MGF 1106 Finite Mathematics 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUT 3923 Jazz Workshop 3 hrs
- Cultural & Historical Foundation 3 hrs
- MVX 343X Performance III 3 hrs
- MUX 3XXX Restricted Elective 3 hrs
- MVX 3XXX Restricted Elective 1 hr

Junior Year - Spring
- MUH 3211 Music History and Literature I 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUT 3923 Jazz Workshop 3 hrs
- Social Foundation 3 hrs
- MVX 444X Performance IV 4 hrs
- Science Foundation 3 hrs

Senior Year - Fall
- MUH 4814 Jazz Styles and Analysis 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUT 3923 Jazz Workshop 3 hrs
- Social Foundation 3 hrs
- MVX 444X Performance IV 4 hrs
- Social Foundation 3 hrs

Senior Year - Spring
- MUS 4954 Recital Performance II 0 hrs
- MUT 3923 Jazz Workshop 3 hrs
- MUH 4814 Jazz Styles and Analysis 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUH 3211 Music History and Literature I 3 hrs
- MUX 3XXX Restricted Elective 3 hrs
- MUX 3XXX Restricted Elective 1 hr

Program B: Jazz Piano, Guitar, Bass, Drum Set

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- MUL 2014 Introduction to Music History and Literature 3 hrs
- MUN 3713 Jazz Lab 1 hr
- MUT 3923 Jazz Workshop 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUT 3171 Jazz Theory II 3 hrs
- MVK 2122 Class Piano IV 1 hr
- MVX 444X Performance IV 4 hrs
- Science Foundation 3 hrs

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- MUL 2016 Evolution of Jazz 3 hrs
- MUN 3713 Jazz Lab 1 hr
- MUS 1010 Music Forum 0 hrs
- MUT 3171 Jazz Theory II 3 hrs
- MUH 3211 Music History and Literature I 3 hrs
- MVX 444X Performance IV 4 hrs
- Social Foundation 3 hrs

Sophomore Year - Fall
- MGF 1106 Finite Mathematics 3 hrs
- MUN 3713 Jazz Lab 1 hr
- MUS 1010 Music Forum 0 hrs
- MUT 2126 Music Theory and Musicianship III 4 hrs
- MUT 3171 Jazz Theory II 3 hrs
- MVK 2122 Class Piano IV 1 hr
- MVX 3XXX Restricted Elective 3 hrs
- MUX 3XXX Restricted Elective 1 hr

Sophomore Year - Spring
- MUN 3713 Jazz Lab 1 hr
- MUS 1010 Music Forum 0 hrs
- MUT 2126 Music Theory and Musicianship III 4 hrs
- MUT 3171 Jazz Theory II 3 hrs
- MVK 2122 Class Piano IV 1 hr
- Social Foundation 3 hrs
- MVX 2XXX Performance II 2 hrs
- Cultural & Historical Foundation 3 hrs
UCF Degree Programs

Music - Music Composition Track (B.M.)

College of Arts and Humanities
Department of Music, Colbourn Hall, Room: 205
http://www.music.cah.ucf.edu/
E-mail: musicaud@mail.ucf.edu
Kirk Gay, kgay@mail.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 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 MUT 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 prerequisite 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.

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
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Required MUH 3211 Music History and Literature I 3 hrs
- Select one course from 1.B.1 list 3 hrs
- Select one course from 1.B.2 list 3 hrs

C: Mathematical Foundations (6 hrs)
- Required MGF 1106 Finite Mathematics 3 hrs
- Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
1 (may substitute a higher level math)

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.

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
MVX 1111 Class Piano I 1 hr
MVX 1112 Class Piano II 1 hr
MVX 2121 Class Piano III 1 hr
MVX 2122 Class Piano IV 1 hr
MUN XXXX Major Ensemble (four semesters) Piano students 4 hrs
MUS 1010 Music Forum 0 hrs
MUS 2360C Introduction to Music Technology GEP 3 hrs
MUT 4401 Counterpoint 3 hrs
MUT 4311 Orchestration 3 hrs
MUT 4401 Counterpoint 3 hrs
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

3. Core Requirements: Basic Level (20 hrs)

MUC 1101C Composition I 2 hrs
MUC 2104C Composition II 2 hrs
MUG 3104 Basic Conducting 2 hrs
MUH 3211 Music History and Literature I 3 hrs
MUH 3212 Music History and Literature II GEP 3 hrs
MUL 2014 Introduction to Music History and Literature 3 hrs
MUS 1010 Music Forum 0 hrs
MUS 2360C Introduction to Music Technology 3 hrs
MUT 4571 Analysis of Twentieth-Century Music 3 hrs
MUN XXXX Major Ensembles (Piano students take MUN 3453; guitar students take MUN 3483) 4 hrs
MVX 141X Performance I (two semesters) 4 hrs
MVX 242X Performance II (two semesters) 4 hrs

4. Core Requirements: Advanced Level (23 hrs)

Professional Sequence Requirements:
1 MUC 3105C Composition III 3 hrs
2 MUC 4106C Composition IV 4 hrs
MUC 4950 Composition Recital 0 hrs
MUT 4311 Orchestration 3 hrs
MUT 4401 Counterpoint 3 hrs
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)
- Any secondary performance course not in area of major instrument, or
- Any MUC, MUE, MUG, MUH, MUL, MUM, MUN, MUO, MUS, MUT, MVX courses numbered 3000 or higher.

Special Non-Course Requirements: Major 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.
- Ensemble assignment is by the Ensemble Directors.
- Students must take Major Ensemble during each semester at UCF.
- Students taking a course in Performance must concurrently take a major ensemble appropriate to their principal instrument or voice.

Special Non-Course Requirements: Minor Ensemble Participation
- If Minor Ensemble is taken at UCF, the semester hours of credit must be spread over at least two separate semesters.
- Minor Ensembles include: Brass, Percussion, Piano, Madrigal Singers, Women’s Chorus, Opera Workshop, Woodwind, Jazz Ensemble, Jazz Combo, and Early Music Ensemble.

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 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 better in each Music course.
- Computer Competency met by the following 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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

---

Related Programs
- Music
- Music Education
- Theatre

Certificates
- None

Related Minors
- Digital Media
- Music
- Theatre

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges 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 (120 hrs)

**Freshman Year - Fall** 14 hrs
ENC 1101 Composition I 3 hrs
MUL 2014 Introduction to Music History and Literature 3 hrs
MUS 1010 Music Forum 0 hrs
MUT 1121 Music Theory and Musicianship I 4 hrs
MVK 1111 Class Piano I 1 hr
MUN XXXX Major Ensemble 1 hr
MVX 1141X Performance I 2 hrs

**Freshman Year - Spring** 16 hrs
ENC 1102 Composition II 3 hrs
MUS 1010 Music Forum 0 hrs
MUS 2360C Introduction to Music Technology 3 hrs
MUT 1122 Music Theory and Musicianship II 4 hrs
MVK 1112 Class Piano II 1 hr
MVX 1411X Performance I 1 hr
MUN XXXX Major Ensemble 1 hr
Science Foundation 3 hrs

**Sophomore Year - Fall** 15 hrs
MUC 1101C Composition I 2 hrs
MUG 3104 Basic Conducting 2 hrs
MUS 1010 Music Forum 0 hrs
MUT 2126 Music Theory and Musicianship III 4 hrs
MVK 2121 Class Piano III 1 hr
SPC 1608 Fundamentals of Oral Communication 3 hrs
MUN XXXX Major Ensemble 1 hr
MVX 242X Performance II 2 hrs

**Sophomore Year - Spring** 16 hrs
MUC 2104C Composition II 2 hrs
MUS 1010 Music Forum 0 hrs
MUT 2127 Music Theory and Musicianship IV 4 hrs
MVK 2122 Class Piano IV 1 hr
Cultural/Historical Foundation 3 hrs
MUN XXXX Major Ensemble 1 hr
MVX 242X Performance II 2 hrs

1 (GEP C.1.)

**Junior Year - Fall** 16 hrs
MUC 3105C Composition III 3 hrs
MUH 3211 Music History and Literature II 3 hrs
MUS 1010 Music Forum 0 hrs
MUT 4571 Analysis of Twentieth-Century Music 3 hrs
MVK 3/4XXX Restricted Electives 3 hrs
Cultural/Historical Foundation 3 hrs
MUN XXXX Major Ensemble 1 hr
## Junior Year - Spring

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUC 3105C</td>
<td>Composition III</td>
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<tr>
<td>1 MUH 3212</td>
<td>Music History and Literature II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUS 1010</td>
<td>Music Forum</td>
<td>0 hrs</td>
</tr>
<tr>
<td>MUT 4311</td>
<td>Orchestration</td>
<td>3 hrs</td>
</tr>
<tr>
<td>2 STA 1060C</td>
<td>Basic Statistics Using Microsoft Excel</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUN XXXX</td>
<td>Major Ensemble</td>
<td>1 hr</td>
</tr>
<tr>
<td>MUX 3/4XXX</td>
<td>Restricted Elective</td>
<td>3 hrs</td>
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</table>

1. GEP  
2. (GEP C.2.)

## Senior Year - Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>MUC 4106C</td>
<td>Composition IV</td>
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</tr>
<tr>
<td>MUS 1010</td>
<td>Music Forum</td>
<td>0 hrs</td>
</tr>
<tr>
<td>Social Foundation</td>
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<td>3 hrs</td>
</tr>
<tr>
<td>Science Foundation</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUX 3/4XXX</td>
<td>Restricted Electives</td>
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## Senior Year - Spring

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<thead>
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<th>Course Title</th>
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<tbody>
<tr>
<td>MUC 4106C</td>
<td>Composition IV</td>
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</tr>
<tr>
<td>MUC 4950</td>
<td>Composition Recital</td>
<td>0 hrs</td>
</tr>
<tr>
<td>MUS 1010</td>
<td>Music Forum</td>
<td>0 hrs</td>
</tr>
<tr>
<td>MUT 4401</td>
<td>Counterpoint</td>
<td>3 hrs</td>
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<tr>
<td>Social Foundation</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUX 3/4XXX</td>
<td>Restricted Electives</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](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

## Equipment Fees

- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

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### Music - Music Performance Track (B.M.)

**College of Arts and Humanities**  
**Department of Music, Colbourn Hall, Room: 205**  
**http://www.music.cah.ucf.edu/**  
**E-mail: musicaud@mail.ucf.edu**  
Kirk Gay, kgay@mail.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](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

- 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](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.

### 1. UCF General Education Program (GEP) (36 hrs)

- (See General Education program for detailed information)

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td>A: Communication Foundations</td>
<td>9 hrs</td>
</tr>
<tr>
<td>B: Cultural &amp; Historical Foundations</td>
<td>9 hrs</td>
</tr>
<tr>
<td>C: Mathematical Foundations</td>
<td>6 hrs</td>
</tr>
<tr>
<td>D: Social Foundations</td>
<td>6 hrs</td>
</tr>
<tr>
<td>E: Science Foundations</td>
<td>6 hrs</td>
</tr>
</tbody>
</table>

### 2. Common Program Prerequisites (CPP) (32 hrs)

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUL 1121 Music Theory and Musicianship I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MUL 1122 Music Theory and Musicianship II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MUL 2126 Music Theory and Musicianship III</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MUL 2127 Music Theory and Musicianship IV</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MVK 1111 Class Piano I</td>
<td>1 hr</td>
</tr>
<tr>
<td>MVK 1112 Class Piano II</td>
<td>1 hr</td>
</tr>
<tr>
<td>MVK 2111 Class Piano III</td>
<td>1 hr</td>
</tr>
<tr>
<td>MVK 2122 Class Piano IV</td>
<td>1 hr</td>
</tr>
<tr>
<td>MUN XXXX Major Ensemble (four semesters) Piano students</td>
<td>4 hrs</td>
</tr>
<tr>
<td>take MUN 3453; guitar students take MUN 3484</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MVX 141X Performance I (2 semesters)</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MVX 242X Performance II (2 semesters)</td>
<td>4 hrs</td>
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</table>

### 3. Core Requirements: Basic Level (6 hrs)

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours</th>
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<tbody>
<tr>
<td>MUL 2014 Introduction to Music History and Literature</td>
<td>3 hrs</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>
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</table>

### 4. Core Requirements: Advanced Level (24 hrs)

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td>MUG 3104 Basic Conducting</td>
<td>2 hrs</td>
</tr>
<tr>
<td>MUH 3211 Music History and Literature I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUH 3212 Music History and Literature II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUS 3953 Recital Performance I</td>
<td>0 hrs</td>
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<tr>
<td>MUS 4954 Recital Performance II</td>
<td>0 hrs</td>
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<tr>
<td>MVX 343X Performance III (2 Semesters)</td>
<td>6 hrs</td>
</tr>
<tr>
<td>MVX 444X Performance IV (2 Semesters)</td>
<td>8 hrs</td>
</tr>
<tr>
<td>MUN XXXX Major Ensembles (Piano students take MUN 3484; guitar students take MUN 3484)</td>
<td>2 hrs</td>
</tr>
</tbody>
</table>

### Specialty Requirements (Choose One:)

- **Piano**  
  - MUL 3400 Piano Literature I and Piano Literature II and Piano Literature III and Piano Literature IV and Piano Literature V and Piano Literature VI | 21 hrs |
  - MUL 3401 Piano Literature I and Piano Literature II and Piano Literature III and Piano Literature IV and Piano Literature V and Piano Literature VI | 2 hrs |
  - MUL 3453 Piano Ensemble and Piano Ensemble and Piano Ensemble and Piano Ensemble and Piano Ensemble and Piano Ensemble | 1 hr |
  - Restricted Electives and Electives and Electives and Electives and Electives and Electives | 9 hrs |

- **Guitar**  
  - MUL 4437 String Literature and Pedagogy and Guitar Ensemble and Guitar Ensemble and Guitar Ensemble and Guitar Ensemble and Guitar Ensemble | 21 hrs |
  - MUL 3487 String Literature and Pedagogy and Guitar Ensemble and Guitar Ensemble and Guitar Ensemble and Guitar Ensemble and Guitar Ensemble | 1 hr |
  - Restricted Electives and Electives and Electives and Electives and Electives and Electives | 12 hrs |
  - Electives and Electives and Electives and Electives and Electives and Electives | 5 hrs |
### Voice
- **MUL 3602** Song Literature and Voice 3 hrs
- **MUS 1250** IPA for Singers and Voice 1 hr

### Woodwinds
- **MUL 4444** Woodwind Literature and Pedagogy and 3 hrs
- **MUN XXXX Major Ensembles and** 2 hrs
- **MUN XXXX Minor Ensembles and** 4 hrs

### Brass
- **MUL 4443** Brass Literature and Pedagogy and 3 hrs
- **MUN XXXX Major Ensembles and** 2 hrs
- **MUN XXXX Minor Ensembles and** 4 hrs

### Percussion
- **MUL 3463** Percussion Literature and Pedagogy and 2 hrs
- **MVP 3630** Percussion Pedagogy and 2 hrs
- **MUN XXXX Major Ensembles and** 2 hrs
- **MUN XXXX Minor Ensembles and** 4 hrs

### Strings
- **MUL 4447** String Literature and Pedagogy and 3 hrs
- **MUN XXXX Major Ensembles and** 2 hrs
- **MUN XXXX Minor Ensembles and** 4 hrs

### Related Electives
- **MUS, MUT, MVX courses numbered 3000 or higher.** 3-15 hrs

### 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.
- Minor Ensembles include: Brass, Percussion, Piano, Madrigal Singers, Women’s Chorus, Opera Workshop, Woodwind, Jazz Ensemble, Jazz Combo, and Early Music Ensemble.

### 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 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, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required
- 120

### Honors In Major
- None

### Related Programs
- Music
- Music Education
- Theatre - Musical Theatre Track

### Certificates
- None

### Related Minors
- Digital Media
- Music
- Theatre

### Advising Notes
- None

### Transfer Notes
- Courses taken at community colleges 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
- **ENC 1101** Composition I 3 hrs
- **MUL 2014** Introduction to Music History and Literature 3 hrs
- **MUS 1010** Music Forum 0 hrs
- **MUT 1121** Music Theory and Musicianship I 4 hrs
- **MVK 1112** Class Piano I 1 hr
- **MUN XXXX Major Ensemble** 1 hr
- **MVK 141X Performance I** 2 hrs

#### Freshman Year - Spring
- **ENC 1102** Composition II 3 hrs
- **MUS 1010** Music Forum 0 hrs
- **MUS 2360C** Introduction to Music Technology 3 hrs
- **MUT 1122** Music Theory and Musicianship II 4 hrs
- **MVK 1112** Class Piano II 1 hr
- **MUN XXXX Major Ensemble** 1 hr
- **MVK 141X Performance I** 2 hrs
- **Science Foundation** 3 hrs

---

### Graduation
- None

### 8. Electives
- Select primarily from upper level courses. May be outside of the department.

### 9. Additional Requirements
- Special Non-Course Requirements:
  - **Major 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.
    - Ensemble assignment is by the Ensemble directors.
    - Students must take Major Ensemble during each semester at UCF.
    - Students taking a course in Performance must concurrently take a major ensemble appropriate to their principal instrument or voice.

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**UCF Degree Programs**

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**UNIVERSITY OF CENTRAL FLORIDA**

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275 Undergraduate Catalog 2010-2011
### Sophomore Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>MUG 3104 Basic Conducting</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>MUT 2126 Music Theory and Musicianship III</td>
<td>4 hrs</td>
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<td>MKV 2121 Class Piano III</td>
<td>1 hr</td>
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<tr>
<td>SPC 1608 Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 1060C Basic Statistics Using Microsoft Excel</td>
<td>3 hrs</td>
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<tr>
<td>MUN XXXX Major Ensemble</td>
<td>1 hr</td>
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<tr>
<td>MUN XXXX Minor Ensemble</td>
<td>1 hr</td>
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<tr>
<td>MVX 242X Performance II</td>
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### Sophomore Year - Spring

<table>
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<tr>
<td>MGF 1106 Finite Mathematics</td>
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<td>MUS 1010 Music Forum</td>
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<tr>
<td>MUT 2127 Music Theory and Musicianship IV</td>
<td>4 hrs</td>
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<tr>
<td>MKV 2122 Class Piano IV</td>
<td>1 hr</td>
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<tr>
<td>Cultural &amp; Historical Foundation</td>
<td>3 hrs</td>
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<tr>
<td>MUN XXXX Major Ensemble</td>
<td>1 hr</td>
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<tr>
<td>MUN XXXX Minor Ensemble</td>
<td>1 hr</td>
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<tr>
<td>MVX 242X Performance II</td>
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### Junior Year - Fall

<table>
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<tr>
<th>Course</th>
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</tr>
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<tbody>
<tr>
<td>MUH 3211 Music History and Literature I</td>
<td>3 hrs</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>MUX 3/4XXX Restricted Electives</td>
<td>3 hrs</td>
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<tr>
<td>MUN XXXX Major Ensemble</td>
<td>1 hr</td>
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<tr>
<td>MUN XXXX Minor Ensemble</td>
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### Junior Year - Spring

<table>
<thead>
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<tbody>
<tr>
<td>MUH 3212 Music History and Literature II</td>
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<tr>
<td>MUS 1010 Music Forum</td>
<td>0 hrs</td>
</tr>
<tr>
<td>MUS 4954 Recital Performance II</td>
<td>0 hrs</td>
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<tr>
<td>MUX 444X Performance IV</td>
<td>4 hrs</td>
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<tr>
<td>Science Foundation</td>
<td>3 hrs</td>
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<tr>
<td>MUN XXXX Major Ensemble</td>
<td>1 hr</td>
</tr>
<tr>
<td>MUN XXXX Restricted Elective</td>
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### Senior Year - Fall

<table>
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<tr>
<th>Course</th>
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</thead>
<tbody>
<tr>
<td>MUS 1010 Music Forum</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>MUX 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>Credits</th>
</tr>
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<tbody>
<tr>
<td>MUS 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>MUX 444X Performance IV</td>
<td>4 hrs</td>
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<tr>
<td>MUN XXXX Major Ensemble</td>
<td>1 hr</td>
</tr>
<tr>
<td>MUN XXXX Restricted Elective</td>
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### Program B: Percussion

#### Freshman Year - Fall

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<tbody>
<tr>
<td>ENC 1101 Composition I</td>
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<tr>
<td>MUL 2014 Introduction to Music History and Literature</td>
<td>3 hrs</td>
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<tr>
<td>MUS 1010 Music Forum</td>
<td>0 hrs</td>
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<tr>
<td>MUT 1121 Music Theory and Musicianship I</td>
<td>4 hrs</td>
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<td>MKV 1111 Class Piano I</td>
<td>1 hr</td>
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<tr>
<td>MVP 1411 Percussion I</td>
<td>2 hrs</td>
</tr>
<tr>
<td>MUN XXXX Major Ensemble</td>
<td>1 hr</td>
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#### Freshman Year - Spring

<table>
<thead>
<tr>
<th>Course</th>
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</thead>
<tbody>
<tr>
<td>ENC 1102 Composition II</td>
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</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>MUT 1122 Music Theory and Musicianship II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MKV 1112 Class Piano II</td>
<td>1 hr</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>
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</table>

#### Program C: Piano

#### Freshman Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ENC 1101 Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUL 2014 Introduction to Music History and Literature</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUS 1010 Music Forum</td>
<td>0 hrs</td>
</tr>
<tr>
<td>MUS 3453 Piano Ensemble</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>MUT 1122 Music Theory and Musicianship II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MKV 1112 Class Piano II</td>
<td>1 hr</td>
</tr>
<tr>
<td>MVK 1111 Class Piano II</td>
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<tr>
<td>MVK 1411 Piano I</td>
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#### Freshman Year - Spring

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>ENC 1102 Composition II</td>
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<tr>
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</tr>
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<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>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>MVK 1411 Piano I</td>
<td>2 hrs</td>
</tr>
<tr>
<td>SCIENCE FOUNDATION</td>
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</tr>
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</table>
### Sophomore Year - Fall
- STAT 2311: Basic Concepts of Statistics 3 hrs
- MUS 1400: Piano Literature I 2 hrs
- MUS 1403: Piano Ensemble 1 hr
- MUS 1010: Music Forum 1 hr
- MUS 1122: Music Theory and Musicianship II 4 hrs
- MUS 2421: Piano II 2 hrs
- SPC 1608: Fundamentals of Oral Communication 3 hrs
- STA 2023C: Basic Statistics Using Microsoft Excel 3 hrs

### Sophomore Year - Spring
- MUS 1400: Piano Literature I 2 hrs
- MUS 1403: Piano Ensemble 1 hr
- MUS 1010: Music Forum 1 hr
- MUS 1122: Music Theory and Musicianship II 4 hrs
- MUS 2421: Piano II 2 hrs
- SPC 1608: Fundamentals of Oral Communication 3 hrs
- STA 2023C: Basic Statistics Using Microsoft Excel 3 hrs

### Junior Year - Fall
- MUS 1400: Piano Literature I 2 hrs
- MUS 1403: Piano Ensemble 1 hr
- MUS 1010: Music Forum 1 hr
- MUS 1122: Music Theory and Musicianship II 4 hrs
- MUS 2421: Piano II 2 hrs
- SPC 1608: Fundamentals of Oral Communication 3 hrs
- STA 2023C: Basic Statistics Using Microsoft Excel 3 hrs

### Junior Year - Spring
- MUS 1400: Piano Literature I 2 hrs
- MUS 1403: Piano Ensemble 1 hr
- MUS 1010: Music Forum 1 hr
- MUS 1122: Music Theory and Musicianship II 4 hrs
- MUS 2421: Piano II 2 hrs
- SPC 1608: Fundamentals of Oral Communication 3 hrs
- STA 2023C: Basic Statistics Using Microsoft Excel 3 hrs

### Senior Year - Fall
- MUS 1400: Piano Literature I 2 hrs
- MUS 1403: Piano Ensemble 1 hr
- MUS 1010: Music Forum 1 hr
- MUS 1122: Music Theory and Musicianship II 4 hrs
- MUS 2421: Piano II 2 hrs
- SPC 1608: Fundamentals of Oral Communication 3 hrs
- STA 2023C: Basic Statistics Using Microsoft Excel 3 hrs

### Senior Year - Spring
- MUS 1400: Piano Literature I 2 hrs
- MUS 1403: Piano Ensemble 1 hr
- MUS 1010: Music Forum 1 hr
- MUS 1122: Music Theory and Musicianship II 4 hrs
- MUS 2421: Piano II 2 hrs
- SPC 1608: Fundamentals of Oral Communication 3 hrs
- STA 2023C: Basic Statistics Using Microsoft Excel 3 hrs

### Program E: Voice

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<tr>
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<tbody>
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<td>Composition I</td>
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<tr>
<td>MUL 2014</td>
<td>Introduction to Music History and Literature</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUS 3487</td>
<td>Guitar Ensemble</td>
<td>1 hr</td>
</tr>
<tr>
<td>MUS 1010</td>
<td>Music Forum</td>
<td>1 hr</td>
</tr>
<tr>
<td>MUT 1121</td>
<td>Music Theory and Musicianship I</td>
<td>1 hr</td>
</tr>
<tr>
<td>MUS 1411</td>
<td>Class Piano I</td>
<td>1 hr</td>
</tr>
<tr>
<td>MUS 1416</td>
<td>Guitar I</td>
<td>1 hr</td>
</tr>
<tr>
<td>MUS 2360C</td>
<td>Introduction to Music Technology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUS 1122</td>
<td>Music Theory and Musicianship II</td>
<td>4 hrs</td>
</tr>
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<td>MUS 2421</td>
<td>Guitar I</td>
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<tr>
<td>STA 1060C</td>
<td>Basic Statistics Using Microsoft Excel</td>
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<td>Voice I</td>
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<tr>
<td>MUS 1416</td>
<td>Voice I</td>
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<tr>
<td>MUS 1417</td>
<td>Voice I</td>
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<tr>
<td>MUS 2421</td>
<td>Voice II</td>
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<td>MUS XXXX</td>
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### Program F: Guitar

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<td>MUL 2014</td>
<td>Introduction to Music History and Literature</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUS 3487</td>
<td>Guitar Ensemble</td>
<td>1 hr</td>
</tr>
<tr>
<td>MUS 1010</td>
<td>Music Forum</td>
<td>1 hr</td>
</tr>
<tr>
<td>MUT 1121</td>
<td>Music Theory and Musicianship I</td>
<td>1 hr</td>
</tr>
<tr>
<td>MUS 1411</td>
<td>Class Piano I</td>
<td>1 hr</td>
</tr>
<tr>
<td>MUS 1416</td>
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<td>1 hr</td>
</tr>
<tr>
<td>MUS 2360C</td>
<td>Introduction to Music Technology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUS 1122</td>
<td>Music Theory and Musicianship II</td>
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</tr>
<tr>
<td>MUS 2421</td>
<td>Guitar I</td>
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<tr>
<td>SPC 1608</td>
<td>Fundamentals of Oral Communication</td>
<td>3 hrs</td>
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<tr>
<td>STA 1060C</td>
<td>Basic Statistics Using Microsoft Excel</td>
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<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>MUS 4954</td>
<td>Recital Performance I</td>
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<tr>
<td>MUS 1411</td>
<td>Voice I</td>
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<tr>
<td>MUS 1416</td>
<td>Voice I</td>
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<tr>
<td>MUS 2421</td>
<td>Voice II</td>
<td>2 hrs</td>
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<tr>
<td>MUS XXXX</td>
<td>Major Ensemble</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>MUS 4954</td>
<td>Recital Performance I</td>
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<td>MUS 1411</td>
<td>Voice I</td>
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<tr>
<td>MUS 1416</td>
<td>Voice I</td>
<td>1 hr</td>
</tr>
<tr>
<td>MUS 2421</td>
<td>Voice II</td>
<td>2 hrs</td>
</tr>
<tr>
<td>MUS XXXX</td>
<td>Major Ensemble</td>
<td>1 hr</td>
</tr>
</tbody>
</table>
Music Education (B.M.E.)
College of Arts and Humanities
Department of Music, Colbourn Hall, Room: 205A
http://www.music.caah.ucf.edu
E-mail: musicaud@mail.ucf.edu
Al Holcomb, aholcomb@mail.ucf.edu, 407-823-4180

Admission Requirements

Audition. To be accepted in to 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 only provide large instruments such as a tuba, string, bass, or timpani for these auditions.

The audition will serve as a placement exam for accepted candidates.

Refer to the UCF Music Department website for specific audition requirements.

Prior to attending the first music class as a music major at UCF, all students will take a keyboard placement examination to determine the appropriate level of class piano.

Interview. In addition to a performance audition, students must successfully complete an interview with Music Education faculty.

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 Professional 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.

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-5.086, Approval of Pre-service Teacher Preparation Programs.

Degree Requirements

None

1. UCF General Education Program (GEP) (36 hrs)

(See General Education Program for detailed information)

A: Communication Foundations (9 hrs)

<table>
<thead>
<tr>
<th>Required</th>
<th>ENC 1101</th>
<th>Composition I and</th>
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<tr>
<td></td>
<td>ENC 1102</td>
<td>Composition II</td>
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B: Cultural & Historical Foundations (9 hrs)

<table>
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<tr>
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<th>AMH 2010</th>
<th>U.S. History: 1492-1877</th>
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<td>AMH 2020</td>
<td>U.S. History: 1877-Present</td>
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<td></td>
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<td>Music History and Literature II</td>
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C: Mathematical Foundations (6 hrs)

<table>
<thead>
<tr>
<th>Required</th>
<th>STA 1000C</th>
<th>Basic Statistics Using Microsoft Excel</th>
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</thead>
<tbody>
<tr>
<td></td>
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1. (may substitute a higher level math)

D: Social Foundations (6 hrs)

<table>
<thead>
<tr>
<th>Required</th>
<th>PSC 1041</th>
<th>American National Government</th>
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<tbody>
<tr>
<td></td>
<td>PSY 1021</td>
<td>General Psychology</td>
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</table>

E: Science Foundations (6 hrs)

| Required | PSC 1121 | Physical Science |

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

278 Undergraduate Catalog 2010-2011
2. Common Program Prerequisites (CPP) (38 hrs)

- See “Common Prerequisites” in the Transfer and Transitions section for more information.

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>EDF 2005 Introduction to the Teaching Profession</td>
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<tr>
<td>EDF 2085 Introduction to Diversity for Educators</td>
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<td>MUS 1010 Music Forum</td>
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<td>MUS 3022 Music Theory and Musicanship I</td>
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<td>MUS 3122 Music Theory and Musicanship II</td>
<td>4</td>
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<tr>
<td>MUS 3125 Music Theory and Musicanship III</td>
<td>4</td>
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<tr>
<td>MUS 2127 Music Theory and Musicanship IV</td>
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<td>MVU XXXX Major Ensembles (4 semesters)</td>
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<td>MVI 141X Performance I (2 semesters)</td>
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<tr>
<td>MVX 242X Performance II (2 semesters)</td>
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1 4 semesters

3. Core Requirements: Basic Level (5 hrs)

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<tbody>
<tr>
<td>MUS 1010 Music Forum</td>
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<td>MUS 2126 Music Theory and Musicanship III</td>
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1 4 semesters

Music Education Prerequisites- Basic

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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>MUL 204 Introduction to Music History and Literature</td>
<td>3</td>
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<tr>
<td>MUN XXXX Major Ensembles (2 semesters)</td>
<td>2</td>
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4. Core Requirements: Advanced Level (29 hrs)

<table>
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<th>Course</th>
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<tbody>
<tr>
<td>MUE 3942 Music Internship I</td>
<td>3</td>
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<tr>
<td>MUG 3104 Basic Conducting</td>
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<td>MUN 3211 Music History and Literature I</td>
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Music Education Prerequisites- Advanced

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<thead>
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<th>Course</th>
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<tbody>
<tr>
<td>ESE 3940 Internship I - Secondary and</td>
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<tr>
<td>MUE 3333 Music Learning Theory and Assessment and</td>
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<tr>
<td>MUE 4311 Elementary School Music Methods and</td>
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<td>MUG 3104 Basic Conducting</td>
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<tr>
<td>MUN 3212 Music History and Literature I</td>
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<td>MUN 3212 Music History and Literature II</td>
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<td>MVX 342X Performance III (2 Semesters)</td>
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Education Core

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<th>Course</th>
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<tr>
<td>EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools and Teaching Strategies and Classroom Management and</td>
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<tr>
<td>EDG 4410 Content Reading in Kindergarten through Grade 12 and</td>
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<tr>
<td>TSL 4080 Theory and Practice of Teaching ESOL Students in Schools</td>
<td>3</td>
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5. Restricted Electives (26 hrs)

- Music Education Specialty Area Courses and Professional Program Courses
- Complete one program

Program A - Instrumental

<table>
<thead>
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<tbody>
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<tr>
<td>MUE 2346 Vocal Techniques</td>
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<td>MUE 4331 Secondary Choral Methods I</td>
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<tr>
<td>MUE 4394 Seminar in Music Teaching</td>
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<tr>
<td>MUG 3302 Instrumental Conducting and Materials</td>
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Select 1:

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<tr>
<td>MUE 4335 Secondary Choral Methods II or</td>
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Select 5:

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<tr>
<td>MUE 2440 String Techniques or</td>
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<tr>
<td>MUE 2450 Woodwind Techniques I or</td>
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</tr>
<tr>
<td>MUE 2460 Brass Techniques or</td>
<td>1</td>
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<tr>
<td>MUE 2470 Percussion Techniques or</td>
<td>1</td>
</tr>
<tr>
<td>MUE 2471 Percussion Techniques II or</td>
<td>1</td>
</tr>
<tr>
<td>MUE 3451 Woodwind Techniques II or</td>
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<tr>
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Program B - Choral

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<tr>
<td>MUE 4331 Secondary Choral Methods I</td>
<td>3</td>
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<tr>
<td>MUE 4335 Secondary Choral Methods II</td>
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<td>MUG 3202 Choral Conducting and Materials</td>
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<td>MUS 1250 IPA for Singers</td>
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<td>MUV 4640 Voice Pedagogy</td>
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Select 3:

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<td>MUE 2450 Woodwind Techniques I or</td>
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<td>MUE 2460 Brass Techniques or</td>
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<tr>
<td>MUE 2470 Percussion Techniques or</td>
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<td>MUE 2471 Percussion Techniques II or</td>
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Program C - Elementary School

<table>
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<td>MUE 2346 Vocal Techniques</td>
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<td>MUE 3335 General Music Literature and Techniques</td>
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<td>MUE 4331 Secondary Choral Methods I</td>
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Select 4:

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<td>MUE 2460 Brass Techniques or</td>
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<td>MUE 2470 Percussion Techniques or</td>
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</tr>
<tr>
<td>MUE 3461 Brass Techniques II</td>
<td>1</td>
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</tbody>
</table>

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).
UCF Degree Programs

- 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), Seminar in Music Teaching (MUE 4394) and Internship II (ESE 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.fl.nesinc.com/ for test information).
- Electronic Portfolio. Students will develop an electronic portfolio while enrolled in upper division education courses and internship. 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 hr
- 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 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 hr
- Students must complete a faculty-approved public recital (optional for students in the Elementary School Music Specialization). Recitals are normally performed while concurrently enrolled in the second semester of Performance III.

CMENC Membership hr
- Active participation in CMENC is expected. Students are expected to maintain a record of participation at CMENC events. In addition, students are expected to document attendance at any event that promotes development as a music educator (e.g., music or music education conferences, workshops).

Music Education Forums hr
- Attendance at all Music Education Forums (except during Internship I and II) is expected.

Public School Partnerships hr
- 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 3693 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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 134

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 auditions and interview in order to be accepted into the music education program (See Admissions Requirements above).
Acceptable Substitutes for Transfer Courses

- None

Plan of Study

- Take General Knowledge Test after spring semester of Freshman Year.
- Apply for Professional Program after spring semester of Sophomore year.
- Take PET and Music Examination of FTCE after fall semester of Senior year.
- As indicated in the Plan of Study, all 3 remaining GEP classes will be taken during the summer semester of the Senior year.
- Program A - Instrumental Program K-12:

Freshman Year - Fall

- EDF 2005 Introduction to the Teaching Profession 3 hrs
- MUE 2346 Vocal Techniques 1 hr
- MUS 1010 Music Forum 0 hrs
- MUT 1121 Music Theory and Musicanship I 4 hrs
- MVK 1111 Class Piano I 1 hr
- MVX 141X Performance I 2 hrs
- MUN XXXX Ensemble 1 hr
- CMENC/Schools
- GEP 3 hrs
- GE 3 hrs

Freshman Year - Spring

- Take General Knowledge Test
- MUL 2014 Introduction to Music History and Literature 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUT 1122 Music Theory and Musicanship II 4 hrs
- MVK 1112 Class Piano II 1 hr
- GE 3 hrs
- GEP 3 hrs
- MVX 141X Intro to Music Literature 3 hrs
- MUN XXXX Ensemble 1 hr
- CMENC/Schools

Sophomore Year - Fall

- MUB 3211 Music History and Literature I 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUT 2126 Music Theory and Musicanship III 4 hrs
- MVK 2121 Class Piano III 1 hr
- GEP 3 hrs
- MUE XXXX Techniques 1 hr
- MVX 242X Performance II 2 hrs
- MUN XXXX Ensemble 1 hr
- CMENC/Schools

Sophomore Year - Spring

- Apply for Professional Program
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- MUB 3212 Music History and Literature II 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUT 2127 Music Theory and Musicanship IV 4 hrs
- MVK 2122 Class Piano IV 1 hr
- MUE XXXX Techniques 1 hr
- MUE XXXX Techniques 1 hr
- MVX 242X Performance II 2 hrs
- MUN XXXX Ensemble 1 hr
- CMENC/Schools

Junior Year - Fall

- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- EDG 4323 Professional Teaching Practices 3 hrs
- MUE 4332 Secondary Instrumental Methods I 3 hrs
- MUS 3104 Basic Conducting 2 hrs
- MUS 1010 Music Forum 0 hrs
- MUE XXXX Techniques 1 hr
- MVK 343X Performance III 2 hrs
- MUN XXXX Ensemble 1 hr
- CMENC/Schools

Junior Year - Spring

- EME 2040 Introduction to Technology for Educators 3 hrs
- MUS 3302 Instrumental Conducting and Materials 1 hr
- MUS 1010 Music Forum 0 hrs
- MUS 3953 Recital Performance I 0 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
- Select 1:
  - MUE 4335 Secondary Choral Methods II or 3 hrs
  - MUE 4441 String Methods 3 hrs
  - GEP 3 hrs
  - MVX 343X Performance III 2 hrs
  - MUN XXXX Ensemble 1 hr
  - CMENC/Schools

Senior Year - Fall

- Take PET and Music Examination of FTCE
- ESE 3940 Internship I - Secondary 3 hrs
- MUE 3333 Music Learning Theory and Assessment 3 hrs
- MUE 4311 Elementary School Music Methods 2 hrs
- TSL 4080 Theory and Practice of Teaching ESL 3 hrs
- GE 3 hrs
- CMENC
- CMENC

Senior Year - Spring

- ESE 4943 Internship II - Secondary 7 hrs
- MUE 4394 Seminar in Music Teaching 1 hr
- GEP 3 hrs
- CMENC
- CMENC
- CMENC

Program B - Choral Program K-12

Freshman Year - Fall

- EDF 2005 Introduction to the Teaching Profession 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUT 1122 Music Theory and Musicanship II 4 hrs
- MVK 1112 Class Piano II 1 hr
- GEP 3 hrs
- MUE 4394 Seminar in Music Teaching 1 hr
- MUE 3333 Music Learning Theory and Assessment 3 hrs
- ESE 3940 Internship I - Secondary 3 hrs
- GE 3 hrs
- MVX 141X Performance I 2 hrs
- MUN XXXX Ensemble 1 hr
- CMENC/Schools

Freshman Year - Spring

- Take General Knowledge Test
- MUL 2014 Introduction to Music History and Literature 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUT 2126 Music Theory and Musicanship III 4 hrs
- MVK 2121 Class Piano III 1 hr
- GEP 3 hrs
- MVX 141X Performance I 2 hrs
- MUN XXXX Ensemble 1 hr
- CMENC/Schools

Sophomore Year - Fall

- MUB 3211 Music History and Literature I 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUT 2127 Music Theory and Musicanship IV 4 hrs
- MVK 2122 Class Piano IV 1 hr
- GEP 3 hrs
- MUE XXXX Techniques 1 hr
- MVX 242X Performance II 2 hrs
- MUN XXXX Ensemble 1 hr
- CMENC/Schools

Sophomore Year - Spring

- MUB 3211 Music History and Literature I 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUT 2126 Music Theory and Musicanship III 4 hrs
- MVK 2121 Class Piano III 1 hr
- GEP 3 hrs
- MVX 242X Performance II 2 hrs
- MUN XXXX Ensemble 1 hr
- CMENC/Schools
### UCF Degree Programs

**Sophomore Year - Spring**

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<td>MVK 2121</td>
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<tr>
<td>MUE XXXX Techniques</td>
<td>1 hr</td>
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**Sophomore Year - Fall**

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**Junior Year - Fall**

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**Senior Year - Fall**

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<td>MUH 3211</td>
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<td>MUE 4393</td>
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<td>MUE 4311</td>
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**Senior Year - Spring**

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**Senior Year - Summer**

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**Program C - Elementary Program**

**Freshman Year - Fall**

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**Freshman Year - Spring**

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<td>1 hr</td>
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<td>CMENC/Schools</td>
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</table>

**Select 1:**

- MUE 4331 Secondary Choral Methods I or TSL 4080 Theory and Practice of Teaching ESOL

**Select 2:**

- MUE 3333 Music Learning Theory and Assessment

**Select 3:**

- MUE 4334 Music Learning Theory and Assessment

**Select 4:**

- MUE 4335 Music Learning Theory and Assessment

**Select 5:**

- MUE 4336 Music Learning Theory and Assessment

**Equipment Fees**

- Part-Time Student: $45 per term
- Full-Time Student: $90 per term
Nursing (B.S.N.)
College of Nursing
HPA-1, Room: 220
http://www.nursing.ucf.edu
E-mail: ucfnurse@mail.ucf.edu
Dr. Jean Leuner, Dean
Dr. Linda Henriq, Associate Dean, Undergraduate
Ms. Patricia Leli, Undergraduate Coordinator
Phone: 407-823-2744

For individuals who are not Registered Nurses.

The College of Nursing has a demanding curriculum. The classes are work-intensive and courses include clinical practice in a variety of settings. Due to this, it is strongly recommended that students begin at least one year prior to applying to the basic nursing program. Students with concerns or questions should contact the College of Nursing Undergraduate Student Services Office for an appointment with a faculty advisor.

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 program must be made directly to the College of Nursing by the posted deadline. For application deadlines, please visit http://www.nursing.ucf.edu.
- Application for admission to the University must also be submitted 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 must complete a mandatory information session, online or in person, prior to submitting the application.
- Criminal background checks are required for all conditionally admitted or waitlisted students for all undergraduate nursing degrees. The results are reviewed as part of the final admission process and may be grounds for denying a student admission to the College of Nursing. Failure to disclose related information on an application may negate the application.
- At least seven (7) of the nine (9) Common Program Prerequisites must be completed by the program application deadline. This includes Chemistry with Lab, at least 2 courses from Group A, and the remainder from Group A or B.

Chemistry with Lab 4 hrs
Take all of the following: 4 hrs
- Both required, with grade of B- (2.75) or better.
  CHM 1032 General Chemistry and 3 hrs
  CHM 1032L General Chemistry Laboratory 1 hr

Group A 6 hrs
- A minimum of two courses, with a grade of B- (2.75) or better.
- May take Anatomy and Physiology sequence (AP I & II) of six-eight total credits
  Microbiology with Lab 4 hrs
  Anatomy with Lab 3 hrs
  Physiology with Lab 3 hrs

Group B 3 hrs
- A minimum of four courses, with grade of C (2.0) or better at time of application.
- All courses must be completed before program begins.
  Sociology 3 hrs
  Psychology 3 hrs
  Developmental Psychology 3 hrs
  Human Nutrition 3 hrs
  Statistics 3 hrs

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 community college 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 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 GE hours to more than 36. The courses designated in sections 1 and 2 below may be taken at a Florida Community or State College or other universities, 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
      - You may substitute a higher level math with appropriate scores on the Math Placement Test.
      - Prefer MAC 1105 College Algebra 3 hrs
   - 2. Statistics 3 hrs
      - Required STA 2014C Principles of Statistics or STA 2023 Statistical Methods I 3 hrs
   - D: Social Foundations (6 hrs)
   - 1. Economics/Political Science 3 hrs
      - Required ECO 2013 Principles of Microeconomics or ECO 2023 Principles of Macroeconomics 3 hrs
      - Required POS 2041 American National Government 3 hrs
   - 2. Social Sciences 3 hrs
      - Although either course satisfies General Education requirements, BOTH are required in the Common Program Prerequisites.
      - Required PSY 2012 General Psychology or PSY 2020 Introduction to Sociology 3 hrs
   - E: Science Foundations (8 hrs)
   - 1. Physical Sciences 4 hrs
      - Required CHM 1032 General Chemistry and CHM 1032L General Chemistry Laboratory 3 hrs
      - Required CHM 1032 General Chemistry and CHM 1032L General Chemistry Laboratory 1 hr
   - 2. Life Sciences 4 hrs
      - Required BSC 2010C Biology I 4 hrs
   - 2. Common Program Prerequisites (CPP) (22 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 STA 2023: Statistical Methods I (GEP)
- STA 2023: Statistical Methods I (GEP)

Select 1:
- DEP 2004: Developmental Psychology or Developmental Psychology (3 hrs)
- SOW 3104: Assessing I: Human Development (3 hrs)

3. Core Requirements: Basic Level (0 hrs)
   - None

4. Core Requirements: Advanced Level (62 hrs)
   - Any variation from the following must be approved in advance by the College of Nursing.
   - NUR 3028: Essentials of Nursing Practice (2 hrs)
   - NUR 3028L: Essentials of Nursing Practice Lab (1 hr)
   - NUR 3065: Health Assessment Lab (1 hr)
   - NUR 3056L: Health Assessment Lab (1 hr)
   - NUR 3125: Pathophysiology for Nursing Practice (3 hrs)
   - NUR 3145: Pharmacology for Nursing Practice (3 hrs)
   - NUR 3165: Nursing Research (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 (3 hrs)
   - NUR 3445L: Nursing Care of Families Clinical (3 hrs)
   - NUR 3634: Community Health Nursing (3 hrs)
   - NUR 3634L: Community Health Nursing Clinical (2 hrs)
   - NUR 3755L: Community Health Nursing Clinical (2 hrs)
   - NUR 3755L: Essentials of Nursing Practice Clinical (2 hrs)
   - NUR 3825: The Role of the Professional Nurse (2 hrs)
   - NUR 3825L: The Role of the Professional Nurse Lab (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 4257: Introduction to Critical Care Nursing (3 hrs)
   - NUR 4257L: Introduction to Critical Care Nursing Lab (1 hr)
   - NUR 4355: Psychiatric Mental Health Nursing (3 hrs)
   - NUR 4355L: Psychiatric Mental Health Nursing Lab (3 hrs)
   - NUR 4637: Public Health Nursing (2 hrs)
   - NUR 4637L: Public Health Nursing Clinical (1 hr)
   - NUR 4828: Nursing Leadership, Management and Role Transition (3 hrs)
   - NUR 4837: Health Care Issues, Policy, and Economics (3 hrs)
   - NUR 4945L: Nursing Practicum (4 hrs)

5. Restricted Electives (3 hrs)

Nursing Electives
- One College of Nursing elective approved by advisor

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
   - To continue in the major, students must:
     - 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.

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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 122

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.
- Students pursuing a BS degree must meet the University foreign language admission requirements before graduation.

Related Programs
- Health Services Administration
- Social Work

Certificates
- Aging Studies

Related Minors
- Health Sciences
- Health Services Administration
- Psychology

Advising Notes
- None

Transfer Notes
- Lower Division courses taken at community colleges do not substitute for Upper Division courses.
- Nursing 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
- The following substitutions for Common Program Prerequisites are acceptable if taken prior to transferring to UCF:
  - CHM 1032: May substitute any comprehensive college 4 hrs
  - CHM 1032L: General Chemistry Laboratory 4 hrs
  - HUN 3011: May substitute any Human Nutrition course 3 hrs
  - MCB 2004C: May substitute any Microbiology course which has a lab. 4 hrs
  - PCB 3703C: May take Anatomy and Physiology sequence 4 hrs
  - PCB 3703C: Human Anatomy 4 hrs
  - PSY 2012: May substitute any General Psychology course. 3 hrs
  - STA 2014C: May substitute STA2023 or equivalent. 3 hrs
  - SYG 2000: May substitute any Introductory Sociology course. 3 hrs
  - ZOO 3733C: May take Anatomy and Physiology sequence 4 hrs
## 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>GEP</td>
<td>General Education</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BSC 2010C</td>
<td>Biology I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAC 1105</td>
<td>College Algebra</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1. General Education or SLS 1501

### Freshman Year - Spring

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Statistical Methods I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ZOO 3733C</td>
<td>Human Anatomy</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

1. General Education Course

2. or STA 2014C

### Freshman Year - Summer

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 1032</td>
<td>General Chemistry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 1032L</td>
<td>General Chemistry Laboratory</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

### Sophomore Year - Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCB 3703C</td>
<td>Human Physiology</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

Select 1:

- DEP 2004 Developmental Psychology or 3 hrs
- SOW 3104 Assessing I: Human Development 3 hrs

### Sophomore Year - Spring

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEP</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 3703C</td>
<td></td>
<td>4 hrs</td>
</tr>
<tr>
<td>HUN 3011</td>
<td>Human Nutrition</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MCB 2004C</td>
<td>Microbiology for Health Professionals</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

### Junior Year - Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR 3028L</td>
<td>Essentials of Nursing Practice Lab</td>
<td>1 hr</td>
</tr>
<tr>
<td>NUR 3065</td>
<td>Health Assessment</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3065L</td>
<td>Health Assessment Lab</td>
<td>1 hr</td>
</tr>
<tr>
<td>NUR 3634</td>
<td>Community Health Nursing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3634L</td>
<td>Community Health Nursing Clinical</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3755L</td>
<td>Essentials of Nursing Practice Clinical</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3825</td>
<td>The Role of the Professional Nurse</td>
<td>2 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>NUR 3125</td>
<td>Pathophysiology for Nursing Practice</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3145</td>
<td>Pharmacology for Nursing Practice</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3225</td>
<td>Nursing Care of the Adult I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3225L</td>
<td>Nursing Care of the Adult I: Clinical Practice</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3445</td>
<td>Nursing Care of Families</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3445L</td>
<td>Nursing Care of Families Clinical</td>
<td>2 hrs</td>
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</table>

### Junior Year - Summer

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR 3165</td>
<td>Nursing Research</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4837</td>
<td>Health Care Issues, Policy, and Economics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR XXXX</td>
<td>Nursing Elective</td>
<td>3 hrs</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>NUR 4227</td>
<td>Nursing Care of the Adult II</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 4535L</td>
<td>Psychiatric Mental Health Clinical</td>
<td>2 hrs</td>
</tr>
</tbody>
</table>

### Senior Year - Spring

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR 4257</td>
<td>Introduction to Critical Care Nursing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4945L</td>
<td>Nursing Practicum</td>
<td>4 hrs</td>
</tr>
<tr>
<td>NUR 4637</td>
<td>Public Health Nursing</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 4637L</td>
<td>Public Health Nursing Clinical</td>
<td>1 hr</td>
</tr>
<tr>
<td>NUR 4828</td>
<td>Leadership, Management and Role Transition</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.oes.ucf.edu/alc/academic_learning_compacts.htm](http://www.oes.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees

- Part-Time Student: $25 per term
- Full-Time Student: $50 per term

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**Nursing - R.N. to B.S.N. Program (B.S.N.)**

**College of Nursing**

HPA-1, Room: 220

**http://www.nursing.ucf.edu**

E-mail: ucfnurse@mail.ucf.edu

Ms. Barbara Lange, RN to BSN Coordinator
Dr. Linda Hennig, Assoc. Dean Undergraduate
Dr. Jean Leuner, Dean

Phone: 407-823-2744

Completion program for individuals who are licensed RNs. This program is only available online. Students must complete all university-wide graduation requirements (general education, foreign language, CLAS, Gordon Rule, etc.). All nursing courses are available online and some courses may be offered face-to-face as well. For more information, see [http://distrib.ucf.edu/home](http://distrib.ucf.edu/home).

### 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.
- All applicants must have: Admission to UCF undergraduate program; graduation from an approved or accredited associate degree or diploma nursing program; current Licensure as an RN (or eligible); progress toward the UCF general education requirements, an AA degree from a Florida Community or State College, or eligible for the Statewide Articulated AS-BSN Program (see AS to BS); completion of all sections of CLAS (or Exempt); and, a minimum overall GPA of 2.5.
- Completion of program prerequisite courses with at least a grade of “C” (2.0) or better in each course.
- Criminal background checks are required for all conditionally admitted or waitlisted students for all undergraduate nursing degrees. The results are reviewed as part of the final admission process and may be grounds for denying a student admission to the College of Nursing. Failure to disclose related information on an application may negate the application.

### 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 community college AA 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 prerequisite requirements.
- The courses designated in sections 1 and 2 below may be taken at a Florida Community or State College or other university.
- 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 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)

   Required: MAC 1105 College Algebra 3 hrs

   Select 1:

   - Required STA 2014C Principles of Statistics or 3 hrs
   - Required STA 2023 Statistical Methods I 3 hrs

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**UNIVERSITY OF CENTRAL FLORIDA**

285 Undergraduate Catalog 2010-2011
### UCF Degree Programs

#### 2. Common Program Prerequisites (CPP)

**Required:**
- CHM 1032 General Chemistry 4 hrs
- HUN 3011 Human Nutrition 3 hrs
- MCB 2004C Microbiology for Health Professionals 4 hrs
- PCB 3703C Human Physiology 4 hrs
- PSY 2012 General Psychology 3 hrs
- SYG 2000 Introduction to Sociology GEP 3 hrs
- ZOO 3733C Human Anatomy 4 hrs

**Select 1:**
- STA 2041 American National Government 3 hrs
- STA 2023 Statistical Methods I GEP 3 hrs
- MCB 2004C Microbiology for Health Professionals 3 hrs
- HUN 3011 Human Nutrition 3 hrs
- PCB 3703C Human Physiology 4 hrs

**Select 1:**
- CHM 1032 General Chemistry 3 hrs
- CHM 1032L General Chemistry Laboratory 1 hr

### 3. Core Requirements: Basic Level

**None**

### 4. Core Requirements: Advanced Level

**UCF Core**
- NUR 3065 Health Assessment 2 hrs
- NUR 3065L Health Assessment Lab 1 hr
- NUR 3165 Nursing Research 3 hrs
- NUR 3634 Community Health Nursing 3 hrs
- NUR 3805 Dimensions of Professional Nursing Practice 3 hrs
- NUR 4604L Practicum in Community and Public Health 4 hrs
- NUR 4637 Public Health Nursing 2 hrs

**NUR 4637L**
- Public Health Nursing Clinical 1 hr
- NUR 4828 Nursing Leadership, Management and Role Transition 3 hrs
- NUR 4837 Health Care Issues, Policy, and Economics 3 hrs

**Upper Division Credit**
- NUR 3028 Essentials of Nursing Practice 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 3 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

### 8. Electives

**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

### 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, the CLAS and nine hours of Summer credit (if applicable)**

### Total Semester Hours Required

**120**

#### Honors In Major

**None**

#### Related Programs

- Health Services Administration
- Social Work

#### Certificates

- Aging Studies
Students not yet admitted to UCF must make application and be accepted by the University. 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 are required for all conditionally admitted or waitlisted students for all undergraduate nursing degrees. The results are reviewed as part of the final admission process and may be grounds for denying a student admission to the College of Nursing. Failure to disclose related information on an application may negate the application.

At the time of application, students must have:
- A cumulative GPA of 3.0 or above.
- Been accepted for enrollment and in good standing at SSC ASN Nursing program.
- An AA degree from a Florida Community College or have met all UCF General Education requirements at time of application.
- Met UCF Foreign Language admission requirement.
- Completed pre-requisite coursework for both the UCF and the SCC nursing programs - at time of application.
- CLAS requirement satisfied.

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 community college A.A. transfer advisor regarding completion of General Education Program requirements.
- Students should consult with an advisor in the SCC/UCF 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 Community College or other university.
- 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)
Preferred MAC 1105 College Algebra

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 1: 3 hrs
- Required SYG 2000 Introduction to Sociology 3 hrs

Select 1: 3 hrs
- Suggested ECO 2013 Principles of Macroeconomics or 3 hrs
- Suggested ECO 2023 Principles of Microeconomics or 3 hrs
- Suggested POS 2041 American National Government 3 hrs

1 One of these courses is required to meet General Education requirements, but both are required program prerequisites.

E: Science Foundations (7 hrs)

Required BSC 2010C Biology I 4 hrs

Required CHM 1032 General Chemistry 3 hrs
- Required CHM 1032L General Chemistry Laboratory 1 hr

1 Science Foundation is six credit hours for General Education Program. However the nursing program prerequisite requires four CHM credits. To earn this, the student must also take the CHM 1032 lab. This BSC course is needed as a course prerequisite for Anatomy and Physiology and Health Microbiology.

**Related Minors**
- Health Sciences
- Health Services Administration
- Psychology

**Advising Notes**
- None

**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 3065 Health Assessment 2 hrs
- NUR 3065L Health Assessment Lab 1 hr
- NUR 3805 Dimensions of Professional Nursing Practice 3 hrs

**Junior Year - Summer**
- NUR 4837 Health Care Issues, Policy, and Economics 3 hrs
- NUR XXXX Nursing Elective 3 hrs

**Senior Year - Fall**
- NUR 4828 Nursing Leadership, Management and Role Transition 3 hrs
- NUR XXXX Nursing Elective 3 hrs

**Program Academic Learning Compacts**
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  - http://www.oes.ucf.edu/atc/academic_learning_compacts.htm

**Equipment Fees**
- Part-Time Student: $25 per term
- Full-Time Student: $50 per term
### UCF Degree Programs

#### 2. Common Program Prerequisites (CPP) (19 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.

1. CHM 1032 General Chemistry GEP
2. CHM 1032L General Chemistry Laboratory 1 hr
3. HUN 3011 Human Nutrition 3 hrs
4. MCB 2004C Microbiology for Health Professionals 4 hrs
5. PSY 2012 General Psychology GEP
6. SYG 2000 Introduction to Sociology 3 hrs
7. ZOO 3733C Human Anatomy 4 hrs

#### Select 1:
- 1 STA 2014C Principles of Statistics or
- STA 2023 Statistical Methods I GEP
- STA 3023 Statistical Methods II GEP

#### Select 1:
- 1 STA 2014C Principles of Statistics or
- STA 2023 Statistical Methods I GEP
- STA 3023 Statistical Methods II GEP

1. 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 six-eight total credits.
3. May take Anatomy and Physiology sequence (AP I & II) of six-eight total credits.

#### 3. Core Requirements: Basic Level (0 hrs)
- None

#### 4. Core Requirements: Advanced Level (52 hrs)

##### Core UCF Requirements 25 hrs
- NUR 3065 Health Assessment 2 hrs
- NUR 3065L Health Assessment Lab 1 hr
- NUR 3165 Nursing Research 3 hrs
- NUR 3634 Community Health Nursing 3 hrs
- NUR 3805 Dimensions of Professional Nursing Practice 3 hrs
- NUR 3806 Professional Socialization Seminar 1 hr
- NUR 4604L Practicum in Community and Public Health 4 hrs
- NUR 4637 Public Health Nursing 2 hrs
- NUR 4637 Public Health Nursing 2 hrs
- NUR 4687 Nursing Leadership, Management and Role Transition 3 hrs
- NUR 4837 Health Care Issues, Policy, and Economics 3 hrs

##### Upper Division Credit 27 hrs
- May be met by validation
- NUR 3028 Essentials of Nursing Practice 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 3 hrs
- NUR 3445L Nursing Care of Families Clinical 2 hrs
- NUR 3755L Essentials of Nursing Practice Clinical 2 hrs
- NUR 4227L Nursing Care of the Adult II: Clinical Practice 3 hrs
- NUR 4535L Psychiatric Mental Health Nursing 3 hrs
- NUR 4535 Psychiatric Mental Health Nursing 3 hrs
- NUR 4935 Psychiatric Mental Health Clinical 2 hrs

#### 5. Restricted Electives (6 hrs)
- Any two upper division nursing 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
- 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

#### 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, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**
- 120

#### Honors In Major
- None

#### 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)

##### Sophomore Year - Spring
- NUR 3065 Health Assessment 2 hrs
- NUR 3065L Health Assessment Lab 1 hr
- NUR 3806 Professional Socialization Seminar 1 hr

##### Sophomore Year - Summer
- NUR 3805 Dimensions of Professional Nursing Practice 3 hrs

##### Junior Year - Fall
- NUR 3165 Nursing Research 3 hrs
- NUR 3363 Community Health Nursing 3 hrs

##### Junior Year - Spring
- NUR XXXX Elective 1 3 hrs

##### Junior Year - Summer
- NUR 4837 Health Care Issues, Policy, and Economics 3 hrs

##### Senior Year - Fall
- NUR 4637 Public Health Nursing 2 hrs
- NUR XXXX Nursing Elective 2 3 hrs

##### Senior Year - Spring
- NUR 4637 Public Health Nursing 2 hrs
- NUR 4637 Public Health Nursing 2 hrs
- NUR 4637L Practicum in Community and Public Health 4 hrs
- NUR 4828 Nursing Leadership, Management and Role Transition 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_comacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_comacts.htm)
### Equipment Fees
- Part-Time Student: $25 per term
- Full-Time Student: $50 per term

### Nursing - Accelerated Second Degree B.S.N. Option (B.S.N.)
**NOTE:** For detailed information, see description of this program in the Accelerated Undergraduate-Graduate Programs section.

### Nursing - R.N. to M.S.N. Option (B.S.N.)
**NOTE:** For detailed information, see description of this program in the Accelerated Undergraduate-Graduate Programs section.

### Nursing - A.S. to B.S.N. Track (B.S.N.)
**NOTE:** For detailed information, see description of this program in the Statewide Articulated AS to BS Programs section.

### Philosophy (B.A.)

#### College of Arts and Humanities

**Department of Philosophy, Psychology Building, Room: 220**

- **E-mail:** philosophy@mail.ucf.edu

Dr. Don Jones  
Dr. Jennifer Mundale  
Phone: 407-823-2273

#### 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 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)

<table>
<thead>
<tr>
<th>A: Communication Foundations</th>
<th>(9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required HUM 2210 Humanistic Tradition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Required HUM 2230 Humanistic Tradition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Required PHI 2010 Introduction to Philosophy</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>B: Cultural &amp; Historical Foundations</th>
<th>(9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required HUM 2210 Humanistic Tradition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Required HUM 2230 Humanistic Tradition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Required PHI 2010 Introduction to Philosophy</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>Prefer MGF 1106 Finite Mathematics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Prefer STA 1060C Basic Statistics Using Microsoft Excel</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1. May substitute a higher level math

#### D: Social Foundations (6 hrs)

#### E: Science Foundations (6 hrs)

#### 2. Common Program Prerequisites (CPP) (0 hrs)

- **None**

#### 3. Core Requirements: Basic Level (0 hrs)

| HUM 2210 Humanistic Tradition I | GEP |
| HUM 2230 Humanistic Tradition II | GEP |
| PHI 2010 Introduction to Philosophy | GEP |

#### 4. Core Requirements: Advanced Level (36 hrs)

<table>
<thead>
<tr>
<th>Core</th>
<th>(6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHI 3083 Research Methods in Philosophy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 4938 Senior Research Seminar</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1. To be completed before the end of Junior year as a prerequisite to enrollment in Senior courses.

#### Reasoning (6 hrs)

<table>
<thead>
<tr>
<th>Select 2:</th>
<th>(6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHI 2011 Philosophical Reasoning or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 2101 Formal Logic I or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 2108 Critical Thinking or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 2647 Logic and Ethics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3131 Formal Logic II</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### History of Philosophy (9 hrs)

<table>
<thead>
<tr>
<th>Select 2:</th>
<th>(6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHI 3100 Ancient Philosophy or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3200 Medieval Philosophy or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3460 Modern Western Philosophy</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Select 1: (3 hrs)

| PHI 3510 Marx and Nietzsche or | 3 hrs |
| PHI 3600 Contemporary Philosophy or | 3 hrs |
| PHI 3700 American Philosophy or | 3 hrs |
| PHI 3790 African Philosophy | 3 hrs |

#### Values and Society (6 hrs)

<table>
<thead>
<tr>
<th>Select 2:</th>
<th>(6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHI 3701 Native American Philosophy or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3625 Virtual Ethics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3626 Advanced Ethics in Science and Technology or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3638 Ethical Issues in the 21st Century or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3640 Environmental Ethics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3670 Ethical Theory or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3800 Aesthetics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3805 Contemporary Aesthetics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 4633 Ethics and Biological Science or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHM 3100 Freedom and Justice or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHM 3123 Feminist Theories or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHM 3401 Philosophy of Law or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHM 4031 Environmental Philosophy</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Being and Knowing (6 hrs)

<table>
<thead>
<tr>
<th>Select 2:</th>
<th>(6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHI 3320 Philosophy of Mind or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3323 Minds and Machines: Philosophy of Cognitive Science or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3451 Philosophy of Psychology or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3700 Philosophy of Religion or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 4221 Philosophy of Language or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 4300 Theories of Knowledge or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 4541 Ways of Knowing or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 4400 Philosophy of Science or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 4420 Philosophy of Social Science or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 4500 Metaphysics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHP 4782 Phenomenology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Topics in Philosophy (3 hrs)

<table>
<thead>
<tr>
<th>Select 1:</th>
<th>(3 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHI 4321 Philosophies of Embodiment: Mind/Body/Self or</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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**University of Central Florida**

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Undergraduate Catalog 2010-2011
UCF Degree Programs

PHI 4804  Critical Theory or  3 hrs
PHI 4931  Philosophy in the News or  3 hrs
PHI 4935  Topics in Philosophy of Mind or  3 hrs
PHP 3783  Modernity as a Philosophical Problem or  3 hrs
PHP 3786  Existentialism or  3 hrs
REL 3111  Religion and Philosophy Through Film  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.
- 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:  3 hrs
- PHI 493B  Senior Research Seminar or  3 hrs
- PHI 4970H  Undergraduate Honors Thesis or  1 hr
- STA 1060C  Basic Statistics Using Microsoft Excel  3 hrs

Complete one of the following:  3 hrs
- PHI 493B  Senior Research Seminar or  3 hrs
- PHI 4970H  Undergraduate Honors Thesis  1 hr

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, the CLAS and nine hours of Summer credit (if applicable)

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  1 hr
- PHI 4970H  Undergraduate Honors Thesis  1 hr

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 GOA 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
  - PHI 4970H  Undergraduate Honors Thesis

Related Programs
- Humanities
- Humanities - Philosophy, Religion, & Popular Culture Track
- Religious Studies

Certificates
- None

Related Minors
- Cognitive Sciences
- Environmental Studies
- Humanities
- Philosophy
- Religious Studies
- Women’s Studies

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges 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
- Restricted Elective  3 hrs
- ENC 1102  Composition II  3 hrs
- HUM 2230  Humanistic Tradition II  3 hrs
- SPN 1121C  Elementary Spanish Language and Civilization II  4 hrs
- STA 1060C  Basic Statistics Using Microsoft Excel  3 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
Junior Year - Fall  
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- PHI 3083 Research Methods in Philosophy 3 hrs

Junior Year - Spring  
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- PHI 3083 Research Methods in Philosophy 3 hrs

Senior Year - Fall  
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- PHI 4938 Senior Research Seminar 3 hrs

Senior Year - Spring  
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- PHI 4938 Senior Research Seminar 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_compacts.htm

Equipment Fees  
- Part-Time Student:  
- Full-Time Student:  

Photography (B.S.)  
College of Arts and Humanities  
School of Visual Arts and Design  
Jason Burrell, 386-506-3944

(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-B.F.A. programs.)

The School of Visual Art 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, 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.
- Students should consult with a Photography advisor before selecting this major, and at least annually thereafter.
- Upper-division electives, internship credit, and course substitutions must be approved by the program director.
- Students must earn at least a “C” in each required upper level course and maintain an overall GPA of at least 2.0

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  
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- SPC 2000 Speech (A.S.) 3 hrs

B: Cultural & Historical Foundations  
- Required ARH 2051 History of Western Art II 3 hrs

C: Mathematical Foundations  
- If not already completed as part of the A.S. degree, after acceptance into the program.

D: Social Foundations  
- Required MAC 1105 College Algebra or
- Required MGF 2106 College Mathematics or MGF 2107 Mathematics for Liberal Arts 3 hrs

2. Common Program Prerequisites (CPP) (10 hrs)  
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements: Basic Level  
- A.S. Required Courses:  
- (Completed in the A.S. degree program in Photographic Technology, or equivalent coursework)

- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- SPC 2000 Speech (A.S.) 3 hrs
- Required MAC 1105 College Algebra or
- Required MGF 2106 College Mathematics or MGF 2107 Mathematics for Liberal Arts 3 hrs

3. Core Requirements: Basic Level  
- A.S. Required Courses:  
- (Completed in the A.S. degree program in Photographic Technology, or equivalent coursework)

- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- SPC 2000 Speech (A.S.) 3 hrs

4. Core Requirements: Advanced Level  
- (36 hrs)

- CRW 3011 Creative Writing for Non-Majors 3 hrs
- ENC 2520 Professional Writing 3 hrs
- PGY 3002 Contemporary Photography 3 hrs
- PGY 3205C Graphic Lighting Techniques 3 hrs
- PGY 3276 The Professional Environment 3 hrs
- PGY 3651C Narrative Editorial Photography 3 hrs
- PGY 3653C Advanced Editorial Photography 3 hrs
- PGY 3703C Photography and Web Design 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 4471 Photography Thesis 3 hrs

5. Restricted Electives  
- (6 hrs)

Select two of the following courses:
- PGY 3451C Alternative Processes 3 hrs
- PGY 3480 Museum and Gallery Practices 3 hrs
- PGY 4472C Photo Visualization 3 hrs
- PGY 4493C Photography and Art 3 hrs
- PGY 4941 Internship 3 hrs
- PGY 4255C Professional Photographic Workshop 3 hrs
UCF Degree Programs

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
    None

12. University Minimum Exit Requirements
    None

    Program Academic Learning Compacts
    None

    Full-Time Student: $90 per term
    Part-Time Student: $45 per term

    Equipment Fees
    None

    Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Physics (B.S.)
College of Sciences
Department of Physics, Math and Physics, Room: 310
http://www.physics.ucf.edu
E-mail: physics@ucf.edu
Dr. Talat Rahman
Phone: 407-823-2325

Physics majors can select from five distinct tracks to earn their physics degree, as described below in Section 4, Specialization. While the various tracks 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.

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 community college, except in situations where one semester of a two semester sequence has already been taken at the community college.

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.

A: Communication Foundations (9 hrs)
   Prefer  SPC 1603 Fundamentals of Technical Presentations 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)

C: Mathematical Foundations (7 hrs)
   Required  COP 3502 Computer Science I 3 hrs
   Required  MAC 2311 Calculus with Analytic Geometry I 4 hrs

D: Social Foundations (6 hrs)

E: Science Foundations
1. Physical Science; 4 hrs
   Required  PHY 2048C Physics for Engineers & Scientists I 4 hrs

2. Life sciences; 3 hrs
   Select from the E.2. GEP list. 3 hrs

12. University Minimum Exit Requirements
    None

   Acceptable Substitutes for Transfer Courses
   Acceptable substitutes for General Education and Common Program Prerequisites

   Plan of Study
   None

   Related Programs
   None

   Related Minors
   None

   Advising Notes
   None

   Total Semester Hours Required
   127

   Required PHY 2048C Physics for Engineers & Scientists I 4 hrs
   PHY 2049C Physics for Engineers and Scientists II 4 hrs
   MAC 2311 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
   PHY 2048C Physics for Engineers & Scientists I 4 hrs
   PHY 2049C Physics for Engineers and Scientists 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.
2. Common Program Prerequisites (CPP) (20 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>CHM 2045C</td>
<td>Chemistry Fundamentals I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 2046</td>
<td>Chemistry Fundamentals II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2046L</td>
<td>Chemistry Fundamentals Laboratory</td>
<td>1 hr</td>
</tr>
<tr>
<td>MAC 2311</td>
<td>Calculus with Analytic Geometry I</td>
<td>GEP</td>
</tr>
<tr>
<td>MAC 2312</td>
<td>Calculus with Analytic Geometry II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAC 2313</td>
<td>Calculus with Analytic Geometry III</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PHY 2048C</td>
<td>Physics for Engineers &amp; Scientists I</td>
<td>GEP</td>
</tr>
<tr>
<td>PHY 2049C</td>
<td>Physics for Engineers and Scientists II</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

Note: These courses are considered equivalent.

or - students with little chemistry background should select this sequence.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2040C</td>
<td>Chemistry Fundamentals IA and IB</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2041C</td>
<td>Chemistry Fundamentals II</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

3. Core Requirements: Basic Level (36 hrs)

- Required of all specializations.
  
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAP 2302</td>
<td>Differential Equations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 3101</td>
<td>Physics for Engineers and Scientists III</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 3220</td>
<td>Mechanics I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 3323</td>
<td>Electricity and Magnetism I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 3513</td>
<td>Thermal and Statistical Physics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 4324</td>
<td>Electricity and Magnetism II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 4604</td>
<td>Wave Mechanics I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 4605</td>
<td>Wave Mechanics II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHZ 3113</td>
<td>Introduction to Theoretical Methods of Physics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 4912</td>
<td>Directed Independent Research (in area of specialization)</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Laboratory requirements 6 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 3802L</td>
<td>Intermediate Physics Laboratory</td>
<td>3 hrs</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>PHY 3722C</td>
<td>Physics Laboratory-Electronics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 3752C</td>
<td>Physics of Scientific Instruments</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Directed Electives: 6 hrs

Select courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Chemistry, Mathematics, Computer Science, or Engineering.

4. Core Requirements: Advanced Level (0 hrs)

- Select one specialization

4.1. General Physics Specialization 18 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 4803L</td>
<td>Advanced Physics Laboratory</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Restricted Electives: 6 hrs

Select from upper division PHY, PHZ, or AST courses

Directed Electives: 9 hrs

Select courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Chemistry, Computer Science, or Engineering.

4.2. Materials Physics Specialization 18 hrs

Select 1: 3 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEE 5356C</td>
<td>Fabrication of Solid-State Devices</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PHY 4803L</td>
<td>Advanced Physics Laboratory</td>
<td>3 hrs</td>
</tr>
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</table>

Select 3: 9 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 3411L</td>
<td>Physical Chemistry Laboratory</td>
<td>2 hrs</td>
</tr>
<tr>
<td>EEE 3350</td>
<td>Semiconductor Devices I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEE 5352</td>
<td>Semiconductor Material and Device Characterization</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3365</td>
<td>Structure and Properties of Materials</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EMA 4413</td>
<td>Fundamentals of Electronic Materials</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHZ 5405</td>
<td>Condensed Matter Physics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Directed Electives: 6 hrs

Select courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Chemistry, Computer Science, or Engineering.

4.3. Optics and Lasers Specialization 18 hrs

Select 2: 3 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 4424</td>
<td>Optics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 4440</td>
<td>Optical Engineering</td>
<td>3 hrs</td>
</tr>
<tr>
<td>OSE 5203</td>
<td>Geometrical Optics and Imaging Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>OSE 5312</td>
<td>Light Matter Interaction</td>
<td>3 hrs</td>
</tr>
<tr>
<td>OSE 5414</td>
<td>Fundamentals of Optoelectronic Devices</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 4445</td>
<td>Lasers</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Directed Electives: 9 hrs

Select courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Chemistry, Computer Science, or Engineering.

4.4. Computational Physics Specialization 19 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<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>4 hrs</td>
</tr>
<tr>
<td>COT 4500</td>
<td>Numerical Calculus</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHZ 3151</td>
<td>Computer Methods in Physics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Directed Electives: 6 hrs

Select courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Chemistry, Computer Science, or Engineering.

4.5. Astronomy Specialization 18 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AST 2002</td>
<td>Astronomy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AST 3722C</td>
<td>Techniques of Observational Astronomy</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Select 2: 6 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AST 3110</td>
<td>Solar System Astronomy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AST 3211</td>
<td>Stellar Astrophysics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AST 3402</td>
<td>Galaxies and Cosmology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Directed Electives: 6 hrs

Select courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Chemistry, Computer Science, or Engineering.

5. Restricted Electives (0 hrs)

- 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

- Students must have at least a 2.0 GPA in all courses counted toward the major.

- 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.

- Before applying to graduate, the CLAS must be completed satisfactorily.

- Computer Competency met by the following or a departmental exam.

- COP 3223 Introduction to Programming with C | 3 hrs

12. University Minimum Exit Requirements

- 120 credit hours

- 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, the CLAS and nine hours of Summer credit (if applicable)
### UCF Degree Programs

#### Total Semester Hours Required
- 120

#### Honors In Major
- None

#### Related Programs
- Electrical Engineering
- Mathematics - Applied Track
- Mathematics - Engineering/Physics Track
- Mathematics - Pure Track
- Mechanical Engineering

#### Certificates
- None

#### Related Minors
- Astronomy
- Mathematics
- Physics

#### Advising Notes
- None

#### Transfer Notes
- Lower Division courses taken at community colleges 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://chemplacement.sdes.ucf.edu/
- Prior to enrolling in Math, take Math Placement Test ~ http://mathplacement.sdes.ucf.edu/

#### Freshman Year - Fall
- 14 hrs
- GEP 3 hrs
- CHM 2045C  Chemistry Fundamentals I  4 hrs
- MAC 2311  Calculus with Analytic Geometry I  4 hrs

#### Freshman Year - Spring
- 15 hrs
- GEP 3 hrs
- CHM 2046  Chemistry Fundamentals II  3 hrs
- CHM 2046L  Chemistry Fundamentals Laboratory  1 hr
- MAC 2312  Calculus with Analytic Geometry II  4 hrs
- PHY 2048C  Physics for Engineers & Scientists I  4 hrs

#### Sophomore Year - Fall
- 17 hrs
- GEP 3 hrs
- COP 3502C  Computer Science I  3 hrs
- MAC 2313  Calculus with Analytic Geometry III  4 hrs
- PHY 2049C  Physics for Engineers and Scientists II  4 hrs

#### Sophomore Year - Spring
- 15 hrs
- GEP 3 hrs
- MAP 2302  Differential Equations  3 hrs
- PHY 3101  Physics for Engineers and Scientists III  3 hrs
- PHZ 3113  Introduction to Theoretical Methods of Physics  3 hrs

#### Junior Year - Fall
- 15 hrs
- Core Course 3 hrs
- Restricted Elective 3 hrs
- PHY 3323  Electricity and Magnetism I  3 hrs
- PHY 3513  Thermal and Statistical Physics  3 hrs
- PHY 3802L  Intermediate Physics Laboratory  3 hrs

#### Junior Year - Spring
- 14 hrs
- GEP 3 hrs
- Restricted Elective 3 hrs
- Free Elective 2 hrs
- PHY 4605  Wave Mechanics II  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

#### Equipment Fees
- Part-Time Student: $12.40 per term
- Full-Time Student: $24.80 per term

#### Political Science (B.A.)

#### College of Sciences

#### Department of Political Science, Howard Phillips Hall, Room: 302

http://www.cos.ucf.edu/politicalscience

E-mail: politics@ucf.edu

Dr. Roger Handberg
Phone: 407-823-2608

#### 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
- 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 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
- 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 the following:
  - POS 2041  American National Government  3 hrs
- 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)

<table>
<thead>
<tr>
<th>A: Communication Foundations</th>
<th>(9 hrs)</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>Prefer SPC 1608 Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>B: Cultural &amp; Historical Foundations</th>
<th>(9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prefer AMH 2010 U.S. History: 1492-1877</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Prefer AMH 2020 U.S. History: 1877-Present</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Select from GEP B.2 list</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>Prefer MGF 1106 Finite Mathematics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Prefer MGF 1107 Explorations in Mathematics or</td>
<td>3 hrs</td>
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<tr>
<td>You may substitute a higher level math with appropriate scores on the Math Placement Test.</td>
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<table>
<thead>
<tr>
<th>D: Social Foundations</th>
<th>(6 hrs)</th>
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</thead>
<tbody>
<tr>
<td>Required POS 2041 American National Government</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Select from GEP D.2 list</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>E: Science Foundations</th>
<th>(6 hrs)</th>
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</thead>
<tbody>
<tr>
<td>Prefer STA 1060C Basic Statistics Using Microsoft Excel</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Prefer STA 2014C Principles of Statistics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>You may substitute a higher level Statistics course.</td>
<td></td>
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</tbody>
</table>

### 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.**

<table>
<thead>
<tr>
<th>A: American Politics and Policy Area</th>
<th>(0 hr)</th>
</tr>
</thead>
<tbody>
<tr>
<td>POS 2041 American National Government</td>
<td></td>
</tr>
<tr>
<td>POS 3703 Scope and Methods of Political Science</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>B: International Relations and Comparative Government Area</th>
<th>(0 hr)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPO 3034 Politics of Developing Areas or</td>
<td></td>
</tr>
<tr>
<td>CPO 3103 Comparative Politics or</td>
<td></td>
</tr>
<tr>
<td>CPO 3104 Politics of Western Europe or</td>
<td></td>
</tr>
<tr>
<td>CPO 3132 Canadian Studies or</td>
<td></td>
</tr>
<tr>
<td>CPO 3403 Politics of the Middle East or</td>
<td></td>
</tr>
<tr>
<td>CPO 3614 Politics of Eastern Europe or</td>
<td></td>
</tr>
<tr>
<td>CPO 4047 Politics of the NAFTA Region or</td>
<td></td>
</tr>
<tr>
<td>CPO 4062 Comparative Judicial Process or</td>
<td></td>
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<tr>
<td>CPO 4074 Political Economy or</td>
<td></td>
</tr>
<tr>
<td>CPO 4101 Politics of the European Union or</td>
<td></td>
</tr>
<tr>
<td>CPO 4123 Government and Politics of Great Britain or</td>
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<tr>
<td>CPO 4303 Comparative Latin American Politics or</td>
<td></td>
</tr>
<tr>
<td>CPO 4445 Comparative Political Parties or</td>
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<tr>
<td>CPO 4514 Politics of East Asia or</td>
<td></td>
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<tr>
<td>CPO 4553 Politics of Japan or</td>
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<tr>
<td>CPO 4643 Government and Politics of Russia or</td>
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<tr>
<td>CPO 4710 Women in Comparative Politics or</td>
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<tr>
<td>CPO 4754 Comparative Political Institutions or</td>
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<tr>
<td>CPO 4784 Political and Economic Inequality in Comparative Perspective or</td>
<td></td>
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<tr>
<td>CPO 4794 Indigenous Politics and the Environment or</td>
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<tr>
<td>GEO 3471 World Political Geography or</td>
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<tr>
<td>IDS 4315 Global Perspectives or</td>
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<tr>
<td>INR 2002 International Relations-Theory and Practice or</td>
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<tr>
<td>INR 3016 Global Political Issues or</td>
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<tr>
<td>INR 3250 Politics of Pan-Africanism or</td>
<td></td>
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<td>INR 3253 International Politics of Africa or</td>
<td></td>
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<tr>
<td>INR 4011 Politics of Globalization or</td>
<td></td>
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<tr>
<td>INR 4030 Diplomacy or</td>
<td></td>
</tr>
<tr>
<td>INR 4035 International Political Economy or</td>
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<tr>
<td>INR 4054 Global Politics of Energy or</td>
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<tr>
<td>INR 4060 Causes of War or</td>
<td></td>
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<td>INR 4064 Changing Nature of War or</td>
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<tr>
<td>INR 4074 Immigration Policy or</td>
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<tr>
<td>INR 4075 Human Rights Policy or</td>
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<tr>
<td>INR 4076 Global Drug Policy or</td>
<td></td>
</tr>
<tr>
<td>INR 4084 Politics of International Terrorism or</td>
<td></td>
</tr>
</tbody>
</table>

### Restricted Electives  
(30 hrs)

- **Choose one of the following tracks.**

**Track 1: American Politics and Policy**
- No more than two of the following courses may be considered part of area B credit:
  - INR 4401 International Law I or 3 hrs
  - INR 4402 International Law II or 3 hrs
  - INR 4404 Space Law 3 hrs
  - Two courses from Area A 15 hrs
  - Two courses from Area B 6 hrs
  - Two courses from Area C 6 hrs
  - One additional course from any Area 3 hrs

**Track 2: International Relations-Comparative Politics**

**Track 3: Prelaw**
- Please see Political Science - Prelaw Track

### Areas of Specialization  
(0 hr)

**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 3282 Florida Politics or 3 hrs
- POS 3283 Public Opinion or 3 hrs
- POS 3285 Mass Media and Politics or 3 hrs
- POS 3288 Politics in Film or 3 hrs

**B. International Relations and Comparative Government Area**
- 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 4074 Latino Politics or 3 hrs
- POS 4142 Metropolitan Politics or 3 hrs
- POS 4204 Political Behavior or 3 hrs
- POS 4246 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 or 3 hrs
- POS 4604 American Constitutional Law II or 3 hrs
- POS 4622 Politics and Civil Rights or 3 hrs
- POS 4742 Geographic Information Systems for the Political Scientist or 3 hrs

**C. Mathematical Foundations**
- POS 4401 International Law I or 3 hrs
- POS 4402 International Law II or 3 hrs
- POS 4404 Space Law 3 hrs
- INR 4404 Space Law 3 hrs
- INR 4405 Space Law 3 hrs
- INR 4406 Space Law 3 hrs
- INR 4407 Space Law 3 hrs
- INR 4408 Space Law 3 hrs

**D. Social Foundations**
- Required POS 2041 American National Government 3 hrs
- Select from GEP D.2 list 3 hrs

**E: Science Foundations**
- Required POS 2041 American National Government 3 hrs
- Select from GEP D.2 list 3 hrs

**GEP - Math**
- GEP - Math 3 hrs

**GEP - Statistics**
- Prefer STA 1060C Basic Statistics Using Microsoft Excel or 3 hrs
- Prefer STA 2014C Principles of Statistics or 3 hrs
- You may substitute a higher level Statistics course. 3 hrs

**GEP - Social Foundations**
- Required POS 2041 American National Government 3 hrs
- Select from GEP D.2 list 3 hrs

**H: Science Foundations**
- Required POS 2041 American National Government 3 hrs
- Select from GEP D.2 list 3 hrs

**CPO 3034 Politics of Developing Areas 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 4047 Politics of the NAFTA Region 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 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 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
**IDS 4315 Global Perspectives 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
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**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 4064 Changing Nature 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
UCF Degree Programs

INR 4085 Women, Gender, and Globalization or American Foreign Policy or Topics and Cases in American Foreign Policy or 3 hrs
INR 4102
INR 4104
INR 4114 American Security Policy or 3 hrs
INR 4115 Strategic Weapons and Arms Control or 3 hrs
INR 4224 Contemporary Internationals 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 4504 Issues in International Public Policy or 3 hrs
INR 4335 Political Control 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 I or 3 hrs
INR 4402 International Law II or 3 hrs
INR 4404 Space Law 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 or 3 hrs
POS 3253 Contemporary Revolution and Political Violence or 3 hrs
POS 3014 Comparative Public Policy or 3 hrs
POS 3508 Space Studies or 3 hrs
POS 4510 Space Policy 3 hrs

C. Political Theory Area 6 hrs
INR 4603 International Relations Theory or 3 hrs
POS 4026 Political Psychology or 3 hrs
POF 3204 American Political Thought or 3 hrs
POT 3302 Modern Political Ideologies or 3 hrs
POT 4003 Political Theory or 3 hrs
POS 4025 Ancient, Medieval and Early Modern Political Philosophy or 3 hrs
POS 4054 Modern Political Philosophy or 3 hrs
POS 3066 Contemporary Political Theory or 3 hrs
POS 4109 Politics and Literature or 3 hrs
POS 4305 The State, Society, and the Individual or 3 hrs
POS 4314 Contemporary Democratic Theory or 3 hrs
POS 4331 Utopia/Dystopia or 3 hrs
POS 4346 Pan-Africanist Thought or 3 hrs
POS 4414 Marxist Political Theory or 3 hrs
POS 4632 Religion and Politics 3 hrs

6. Capstone Requirements

7. Foreign Language Requirements

Admissions

Graduation

8. Electives

9. Additional Requirements

10. Required Minors

11. Departmental Exit Requirements

12. University Minimum Exit Requirements

Total Semester Hours Required 120

Honors In Major

Related Programs

Certificates

Related Minors

Advising Notes

Transfer Notes

Acceptable Substitutes for Transfer Courses

Plan of Study

Freshman Year - Fall 15 hrs
GEP 3 hrs
GEP 3 hrs
AMH 2010 U.S. History: 1492-1877 3 hrs
ENC 1101 Composition I 3 hrs
POS 2041 American National Government 3 hrs
Political Science - Prelaw Track (B.A.)

College of Sciences
Department of Political Science, Howard Phillips Hall, Room: 302
http://www.cos.ucf.edu/politicalscience
E-mail: 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 Arts and 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.

**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.
- 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**

- 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 AMH 2020 U.S. History: 1877-Present 3 hrs
- Select a course from GEP B.2. list 3 hrs

**C: Mathematical Foundations**

- Math: 3 hrs
  - Prefer MGF 1106 Finite Mathematics or
  - Prefer MGF 1107 Explorations in Mathematics or
  - You may substitute a higher level math with appropriate scores on the Math Placement Test.

**Statistics:**

- Prefer STA 1060C Basic Statistics Using Microsoft Excel or
- Prefer STA 2014C Principles of Statistics or
- You may substitute a higher level statistics course.

**D: Social Foundations**

- Social Science 3 hrs
  - Select one of the listed courses 3 hrs

**E: Science Foundations**

- Science 3 hrs

**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**

- American National Government 3 hrs
- Scope and Methods of Political Science 3 hrs
- American National Government 0 hrs
- Scope and Methods of Political Science 0 hrs
UCF Degree Programs

4. Core Requirements: Advanced Level
   POS 3703  Scope and Methods of Political Science 3 hrs
   POS 4284  Judicial Process and Politics

5. Restricted Electives
   (27 hrs)
   Select one of the following four courses:
   - INR 4401  International Law I or 3 hrs
   - INR 4402  International Law II or 3 hrs
   - POS 4603  American Constitutional Law or 3 hrs
   - POS 4604  American Constitutional Law II 3 hrs

And, select one of the following two options:
   (See Area courses list under Political Science)
   - Five courses from area A and 15 hrs
   - Two courses from area B and 6 hrs
   - One course from area C 3 hrs

OR
   - Two courses from area A and 6 hrs
   - Five courses from area B and 15 hrs
   - One course from area C 3 hrs

6. Capstone Requirements
   None

7. Foreign Language Requirements
   None

8. Electives
   None

9. Additional Requirements
   None

10. Required Minors
    None

11. Departmental Exit Requirements
    Maintain a minimum GPA of 2.0 in the major
    Before applying to graduate, the CLAS must be completely satisfied.
    Computer Competency met by the following:
    POS 3703  Scope and Methods of Political Science 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, the CLAS and nine hours of Summer credit (if applicable)

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
Criminal Justice
Economics
History
Legal Studies
Philosophy

Certificates
Diplomacy

Related Minors
Criminal Justice
Economics
English - Creative Writing
History
Legal Studies
Philosophy

Advising Notes
None

Transfer Notes
Lower division courses taken at community colleges 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.

Freshman Year - Fall
- GE 1010  Major Area 3 hrs
- GE 1015  College Seminar 1 hr
- AMH 1110  U.S. History: Beginnings to 1877 3 hrs
- STA 2014  Introduction to Statistics 3 hrs

Sophomore Year - Fall
- GE 1101  Major Area 3 hrs
- GE 2000  University Writing 3 hrs
- AMH 2100  U.S. History: 1877-Present 3 hrs
- STA 2110  Principles of Statistics 3 hrs

Freshman Year - Spring
- GE 1101  Major Area 3 hrs
- GE 2000  University Writing 3 hrs
- AMH 2100  U.S. History: 1877-Present 3 hrs
- STA 2110  Principles of Statistics 3 hrs

Sophomore Year - Fall
- GE 1101  Major Area 3 hrs
- GE 2000  University Writing 3 hrs
- AMH 2100  U.S. History: 1877-Present 3 hrs
- STA 2110  Principles of Statistics 3 hrs

Senior Year - Spring
- GE 2000  University Writing 3 hrs
- AMH 2100  U.S. History: 1877-Present 3 hrs
- STA 2110  Principles of Statistics 3 hrs

Graduation
Admissions
Meet 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.

Electives
Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.
Internship Program: Political Science: For students who excel, a limited number of internship 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.
- 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.

Certificates
- Diplomacy

Related Minors
- Criminal Justice
- Economics
- History
- Legal Studies
- Philosophy

Advising Notes
- None

Transfer Notes
- Lower division courses taken at community colleges 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:

For more information, please refer to the University of Central Florida Undergraduate Catalog 2010-2011.
### Psychology (B.S.)

#### College of Sciences

**Department of Psychology, Psychology Building, Room: 301**

**http://www.psych.ucf.edu/**

**E-mail:** psychadvising@mail.ucf.edu

**Phone:** 407-823-2216

**Contact:** Psychology Advising Center, PSY 250, 407-823-2219;

**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 at least a “C” (2.0) in each course counted toward the core requirements, restricted electives, and diversity courses
- Co-op or internship credit cannot be used in this major without prior approval
- Students should consult with the Department Director of Undergraduate Advising, 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.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

**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)

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**UCF Degree Programs**

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<th>Sophomore Year - Spring</th>
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<td>3 hrs</td>
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<tr>
<td>Supporting Elective</td>
<td>3 hrs</td>
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<tr>
<td>Foreign Language</td>
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<td>POS 3703</td>
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**Junior Year - Fall**

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**Junior Year - Spring**

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**Senior Year - Fall**

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**Senior Year - Spring**

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<td>Supporting Elective</td>
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1. **UCF General Education Program (GEP)** (36 hrs)

- Note: Certain courses may be selected in the GEP for this major bringing the total GEP hours to more than 36. See Transfer Notes for possible substitutions.

   - **A: Communication Foundations** (9 hrs)
   - **B: Cultural & Historical Foundations** (9 hrs)
   - **C: Mathematical Foundations** (6 hrs)

   - **Math:** 3 hrs
     - You may substitute a higher level math with appropriate scores on the Math Placement Test.

   - **Statistics:**
     - Required STA 2014C Principles of Statistics or STA 2023 Statistical Methods I 3 hrs

   - **D: Social Foundations** (6 hrs)
     - **Social Sciences:**
       - Required PSY 2012 General Psychology 3 hrs
     - **Political Science/Economics**
       - Select one of the listed choices 3 hrs

   - **E: Science Foundations** (6 hrs)
     - **Biology:**
       - Select the advanced option if additional biology courses are planned.
       - Required BSC 1005 Biological Principles or BSC 2010C Biology I 3 hrs
       - Required STA 2014C Principles of Statistics or STA 2023 Statistical Methods I 3 hrs

     - **Physical or Chemical:**
       - Select a listed course 3 hrs
       - Select one of the listed choices 3 hrs

2. **Common Program Prerequisites (CPP)** (3 hrs)

   - See Transfer Notes for possible substitutes for the courses listed below.
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

   - **DEP 2004** Developmental Psychology 3 hrs
   - **PSY 2012** General Psychology GEP

3. **Core Requirements: Basic Level** (0 hrs)

   - **Biological:**
     - Select the advanced course if additional biology courses are planned.
     - Required BSC 1005 Biological Principles or BSC 2010C Biology I 3 hrs
     - Required STA 2014C Principles of Statistics or STA 2023 Statistical Methods I GEP

   - **Statistics:**
     - Required STA 2014C Principles of Statistics or STA 2023 Statistical Methods I GEP

   - **Lower Level Core Requirements**
     - **PSY 2012** General Psychology GEP

   - **Psychology (B.S.)**
     - **Lower Level Core Requirements**
       - **Biological:**
         - Required BSC 1005 Biological Principles or BSC 2010C Biology I GEP
       - Required STA 2014C Principles of Statistics or STA 2023 Statistical Methods I GEP

     - **Statistics:**
       - Required STA 2014C Principles of Statistics or STA 2023 Statistical Methods I GEP

   - **Core Requirements: Advanced Level** (15 hrs)
     - **Psychological:**
       - Required PSB 3002 Physiological Psychology 3 hrs
     - **Psychological:**
       - Required PSY 3204C Statistical Methods in Psychology 4 hrs
     - **Psychological:**
       - Required PSY 3213C Research Methods in Psychology 5 hrs
     - **Psychological:**
       - Required PSY 4604 History and Systems of Psychology 3 hrs

5. **Restricted Electives** (33 hrs)

   - **A. Experimental:**
     - Select two of the following:
       - **EXP 3004** Perception or 4 hrs
       - **EXP 3404** Basic Learning Processes or 3 hrs
       - **EXP 3604** Cognitive Psychology or 3 hrs
       - **PSB 4240C** Neuropsychology or 4 hrs
       - **PSY 3703** Psychology of Language or 3 hrs
       - **PSY 4251C** Advanced Research Methods in Psychology 4 hrs

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**Undergraduate Catalog 2010-2011**

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UCF Degree Programs

B. Personality/Social: Select one of the following: 3 hrs
- PPE 3003 Personality Theory or
- SOP 3004 Social Psychology

C. Developmental: Select one of the following: 3 hrs
- DEP 2004 Developmental Psychology or
- DEP 3202 Psychology of Exceptional Children or
- DEP 3464 Psychology of Aging

D. Diversity: Select one of the following: 3 hrs
- CLP 3184 Women’s Mental Health or
- SOP 3723 Cross Cultural Psychology or
- SOP 3724 Psychology of Prejudice or
- SOP 3742 Psychology of Women or
- SOP 3784 Psychology of Diversity

E. Applied: Select one of the following: 3 hrs
- CLP 3302 Clinical Psychology or
- EXP 3250 Principles of Human Factors Psychology or
- INP 3004 Industrial/Organizational Psychology

F. Psychology Electives 9 hrs
- Select three additional courses taught by the Psychology department
- NOTE: The following courses will NOT fulfill this requirement.
  - INP 3141C Advanced Applied Psychology or
  - INP 3951 Industrial/Organizational Field Work or
  - PSY 3905 Directed Independent Study or
  - 1 PSY 3951 Undergraduate Field Work or
  - PSY 4906 Directed Independent Study or
  - PSY 4912 Directed Independent Research

1 This course will not fulfill this requirement without prior approval.

G. Math/Science Electives: Select two of 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
  - BSC 1050 Biology and Environment or
  - BSC 2011C Biology II or
  - BSC 4312C Marine Biology or
  - CHM 1020 Concepts in Chemistry or
  - COP 3223 Introduction to Programming with C or
  - COP 3502C Computer Science I or
  - COP 3503C Computer Science II or
  - MAC 2233 Concepts of Calculus or
  - MAC 2253 Applied Calculus I or
  - PCB 3063 Genetics or
  - PCB 3703C Human Physiology or
  - PHY 2053C College Physics I or
  - PSC 1121 Physical Science or
  - STA 4102 Computer Processing of Statistical Data or
  - STA 4163 Statistical Methods II or
  - STA 4164 Statistical Methods III or
  - ENV XXX Any ENV prefix course or
  - GEO XXX Any GEO prefix course or
  - MCB XXX Any MCB prefix course or
  - ZOO XXX Any ZOO prefix course

6. Capstone Requirements
- None

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.

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 better in each course in the CPP, core requirements, restricted electives and science electives (sections 2-5).
- Maintain a minimum overall psychology GPA of 2.0.
- Before applying to graduate, the CLAS must be completely satisfied.
- Computer Competency met by the following:
  - PSY 3213C Research Methods in Psychology 5 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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors in Major

Additional Requirements: 6 hrs
- The Honors in Psychology is available to majors who show outstanding scholarship and promise in psychology.
- Apply and be accepted into the program through the department.
- Fulfill University requirements for Honors in the Major.
- Earn an overall UCF GPA above 3.2.
- All grades in Psychology courses must be a “B” (3.0) or higher.
- Have a Psychology GPA above 3.5, based on at least 11 credits, including the following course.
  - PSY 3213C Research Methods in Psychology 5 hrs
  - PSY 4903H Honors Directed Reading I 3 hrs
  - PSY 4970H Undergraduate Honors Thesis 3 hrs

Related Programs
- Anthropology
- Criminal Justice
- Sociology
- Statistics

Certificates
- Behavioral Forensics

Related Minors
- Anthropology
- Mathematics
- Psychology
- Sociology
- Statistics

Advising Notes
- Visit the Psychology Advising Center (PSY 250); walk-in advising available M, T, R, F from 9 to 5.

Transfer Notes
- Lower division courses taken at community colleges 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:
  - Biology: any lower level BSC course or ZOO X010 will satisfy the CPP. However, the course is required in the core and must still 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 must still be taken. In addition, they are prerequisites for some courses.
- DEP 2004: 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.

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<th>Freshman Year - Fall</th>
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<tr>
<td>GEP</td>
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<td>PSY 2012</td>
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<tr>
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<td>Full-Time Student: $11 per term</td>
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Public Administration (B.A. / B.S.)
College of Health and Public Affairs
Department of Public Administration, Health and Public Affairs II, Room: 238
http://www.cohpa.ucf.edu/pubadm/
Dr. Michael Abels, pa/ba/bs@mail.ucf.edu
Phone: 407-823-2604

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 Public University/Community College System.
- Students should consult with a departmental advisor on a regular basis
- The courses designated in sections 1 and 2 below may be taken at a Florida community college and should usually be completed in the first 60 hours
- 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

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   Suggested SPC 1608 Fundamentals of Oral Communication

   B: Cultural & Historical Foundations (9 hrs)

   C: Mathematical Foundations (6 hrs)
   Required CGS 1060C Introduction to Computer Science 3 hrs

   Select 1: 3 hrs
   Suggested MAC 1105 College Algebra or 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

   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

2. Common Program Prerequisites (CPP) (3 hrs)
   See “Common Prerequisites” in the Transfer and Transition Services section

   A: Communication
   ECO 2013 Principles of Macroeconomics GEP
   POS 2041 American National Government GEP

3. Core Requirements: Basic Level (0 hrs)
   None

4. Core Requirements: Advanced Level (21 hrs)
   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 Public Personnel Administration 3 hrs
   PAD 4720 Survey Research in Public Administration 3 hrs
UCF Degree Programs

B.A./B.S. Option 6 hrs
- Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at the college level.
- Students pursuing the B.S. degree must complete two additional upper level technical courses (six credit hours) from a list approved by the Department.

5. Restricted Electives (39 hrs)

Public Administration electives are required as follows:
- PAD majors must complete at least 21 hrs of PAD prefixed electives at the 3000 level or higher.
- Additional electives can be taken from other allied supporting fields such as accounting, legal studies, communications, computer science, criminal justice, economics, political science, social work, sociology, and statistics. Courses should be selected with the assistance of an advisor, and must be upper division (3000-4000 level).
- Those who complete a recognized UCF minor in a discipline outside Public Administration must take a minimum of 18 hrs PAD prefixed electives.
- Double Majors, those who complete a PAD major, and those of another UCF major, must take a minimum of 15 hrs PAD prefixed electives.

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 the college level, beyond University requirement

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

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).

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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Accounting
- Computer Science

Certificates
- Criminal Justice
- Economics
- Health Services Administration
- Interpersonal/Organizational Communication
- Legal Studies
- Management
- Political Science
- Social Work

Related Minors
- Business
- Criminal Justice
- Economics
- Emergency Management and Homeland Security
- Legal Studies
- Non-Profit Management/American Humanities

Acceptable Substitutes for Transfer Courses
- None

Transfer Notes
- Intro to Computer Science (CGS 1060C) or any Computer Science course (3 credits)
- Economics I (ECO 2013) or any Macroeconomics course (3 credits)
- American National Government (POS 2041) or any course in American National Government (3 credits)

Advising Notes
- None

Plan of Study
*This can be taken in any of the following combinations: 6 hrs of PAD Internship; 6 hrs of PAD Electives; or 3 hrs of PAD Internship and 3 hrs of PAD Electives

Freshman Year - Fall 14 hrs
- CGS 1060C Introduction to Computer Science 3 hrs
- ENC 1101 Composition I 3 hrs
- PAF 2102 Public Affairs Careers 2 hrs
- POS 2041 American National Government 3 hrs

Select 1: 3 hrs
- ARH 2050 History of Western Art I or
- ARH 2051 History of Western Art II or
- LIT 2110 World Literature I or
- LIT 2120 World Literature II or
- MUL 2010 Enjoyment of Music or
- PHI 2010 Introduction to Philosophy or
- REL 2300 World Religions or
- THE 2000 Theatre Survey 3 hrs

Freshman Year - Spring 15 hrs
- ENC 1102 Composition II 3 hrs
- MGF 1106 Finite Mathematics 3 hrs

Select 1: 3 hrs
- ANT 2000 General Anthropology or
- PSY 2012 General Psychology or
- SYG 2000 Introduction to Sociology 3 hrs

Select 1: 3 hrs
- Free Elective
- AST 2002 Astronomy or
- CHM 1020 Concepts in Chemistry or
- PSC 1121 Physical Science 3 hrs

Sophomore Year - Fall 15 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

Undergraduate Catalog 2010-2011
Radio - Television (B.A.)

College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu/
E-mail: radiotv@ucf.edu
Dr. W. Joseph Hall, Area Coordinator, whall@mail.ucf.edu
Ms. Rebecca Morales, Academic Support, rmorales@mail.ucf.edu
Phone: 407-823-2681

Admission Requirements
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 School.

Meet a grammar proficiency standard ("B" 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.
July 1 to be admitted the next Fall term.

Degree Requirements
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 departmental permission
Co-op credit may be used in this major with prior approval from an RTV advisor
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
Of the 120 hours required for graduation, 80 hours must be taken outside of the Nicholson School of Communication
Of these 80 hours, 65 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 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 School of Communication to remain below the 40 credit hour school maximum.
Students seeking to change tracks once accepted into the major must re-apply to the RTV 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 40 hours.
A maximum of six credit hours of internship may be earned within the 120 credit hours required for graduation. Summer internship are available during "C" term only.
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)
Suggested SPC 1603 Fundamentals of Technical Presentations or Preferred SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
Preferred AMH 2010 U.S. History: 1492-1877 3 hrs
Preferred AMH 2020 U.S. History: 1877-Present 3 hrs
Select a third course from GEP B2 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:
Full-Time Student:
UCF Degree Programs

C: Mathematical Foundations (6 hrs)
- **Math:**
  - You may substitute a higher level math with appropriate scores on the Math Placement Test.
    - Required: MGF 1106 Finite Mathematics or MGF 1107 Explorations in Mathematics (3 hrs)

Computer Science (3 hrs)
- Prefer: CGS 2100C Computer Fundamentals for Business

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) (0 hrs)
- 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.
  - MMC 3200 Mass Communication Law (3 hrs)
  - RTV 3007 Development and Structure of Electronic Media and New Technology (3 hrs)
  - RTV 3200 Production Fundamentals and Aesthetics of Electronic Media (3 hrs)
  - RTV 4403 Electronic Media, Technology, and Society (3 hrs)

Select 1:
- SPC 1603 Fundamentals of Technical Presentations or GEP (0 hr)
- GEP (0 hr)

Select 1:
- CGS 2100C Computer Fundamentals for Business or CGS 2100C (0 hr)
- CGS 2585C Desktop/Internet Publishing or CGS 3175 Internet Applications (3 hrs)

4. Core Requirements: Advanced Level (6 hrs)
- These courses are only available to students who have been accepted into the major.
  - MMC 3420 Mass Media Research Methods (3 hrs)
  - RTV 2102 Writing for the Electronic Media (3 hrs)

5. Restricted Electives (0 hrs)
- Specialization: Select one area and complete the credit hours required by that specialization.

A. Production (18 hrs)
- Select from the following:
  - RTV 3210C Audio Production I or RTV 3223C Lighting for Video (3 hrs)
  - RTV 3228C Studio Television Production or RTV 3260C Single Camera Video Production and Editing (4 hrs)
  - RTV 3263C Advanced Video Post-Production or RTV 3942L Practicum (3 hrs)
  - RTV 4200C Television Directing or RTV 4211C Audio Production II or RTV 4271C Radio Production and Programming (3 hrs)
  - RTV 4280C Webcasting I or RTV 4281C Webcasting II or RTV 4941 Internship (3 hrs)
  - 1 RTV 4941 Internship (1 hr)

1 May only apply a maximum of 3 hours to the requirement.

B. Broadcast Journalism (22 hrs)
- Complete all of the following:
  - MMC 4602 Contemporary Media Issues and RTV 3260C Single Camera Video Production and Editing (3 hrs)
  - RTV 3301 Electronic Journalism I and RTV 3304 Electronic Journalism II and RTV 4320C Television News (4 hrs)

1 May only apply a maximum of 3 hours to the requirement.

C. Broadcast Generalist (18 hrs)
- Select from the following:
  - JOU 3004 History of American Journalism or RTV 3234C Broadcast Announcing and Performance or RTV 4322C Advanced TV News (3 hrs)
  - RTV 4700 Regulation of Broadcasting or 1 RTV 4906 Directed Independent Study or 1 RTV 4941 Internship (3 hrs)

1 May only apply a maximum of 3 hours to the requirement.

D. Common Program Prerequisites (CPP) (0 hrs)

E. Science Foundations (6 hrs)

F. Social Foundations (6 hrs)

G. Communication (6 hrs)
- MMC 3200 Mass Communication Law (3 hrs)
- MMC 3200 Mass Communication Law (3 hrs)
- MMC 4263 New Media Technologies (3 hrs)
- RTV 3234C Broadcast Announcing and Performance (3 hrs)
- RTV 4700 Regulation of Broadcasting (3 hrs)
- RTV 4800 Broadcast Management (1 hr)

1 May only apply a maximum of 3 hours to the requirement.

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, with school advisor’s approval. Must be from outside of the 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 65 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 compliment the R/TV major, but any minor except those in the School of Communication, may be taken:
  - Digital Media
  - English - Writing
  - Film - Cinema Studies
  - 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.
- Achieve an overall “C” GPA (2.0) in UCF Radio/TV courses used to satisfy the major.
- Before applying to graduate, the CLAS must be completely satisfied.
- Computer competency met by the following course or departmental assessment.
  - CGS 2100C  Computer Fundamentals for Business  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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors in Major
- None

Related Programs
- Advertising/Public Relations
- Digital Media
- Digital Media: Visual Language Track
- Digital Media: Web Design Track
- Film
- Journalism
- Theatre

Certificates
- None

Related Minors
- NOTE: Minors taught within the School of Communication are not open to R/TV majors.
  - Digital Media
  - Digital Media: Visual Language Track
  - Digital Media: Web Design Track
  - Film
  - Journalism
  - Theatre

Advising Notes
- None

Transfer Notes
- Lower division courses taken at community colleges 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 departmental advisor for alternate, new, or more appropriate selections.
- Consult the department for detailed plans of study for each specialization.

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<tr>
<th>Freshman Year - Fall</th>
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<td>GEP</td>
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<tr>
<td>GEP</td>
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<td>MGF 1107</td>
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<td>RTV 2102</td>
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<td>Restricted Elective</td>
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<td>Elective / Minor</td>
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<td>Elective / Minor</td>
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<th>Senior Year - Spring</th>
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<td>3 hrs</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

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Real Estate (B.S.B.A.)
College of Business Administration
Dr. P. Phillips School of Real Estate,
Business Administration I, Room: 427
Students seeking advising will need to go to BA 2 room 101.
http://web.bus.ucf.edu/realestate/
Phone: 407-823-3575

Not eligible for a double degree with another College of Business Administration major.

Admission Requirements
- Completion of the UCF General Education Program, Gordon Rule, and CLAS or an AA degree from a Florida public community college
- See Common Program Prerequisites
### UCF Degree Programs

#### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- 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.
- Final exams will be given during exam week.
- Any student receiving a business degree must complete one-half of the 30 hours of 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.
- A maximum of 6 hours of required or elective coursework can count toward another major or minor degree program.
- Students majoring in Real Estate must earn a grade of "C" (2.0) or better in each course applied toward the major, and a 2.0 overall average in the minor.
- Students must earn at least a 2.0 GPA in the major and CBA.
- Students wanting to major in real estate must apply for admission to the major.

#### 1. UCF General Education Program (GEP) (36 hrs)

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<tr>
<th>A: Communication Foundations</th>
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<td>Prefer</td>
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<table>
<thead>
<tr>
<th>B: Cultural &amp; Historical Foundations</th>
<th>(9 hrs)</th>
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<table>
<thead>
<tr>
<th>C: Mathematical Foundations</th>
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<table>
<thead>
<tr>
<th>E: Science Foundations</th>
<th>(6 hrs)</th>
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<th>2. Common Program Prerequisites (CPP)</th>
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<tbody>
<tr>
<td>Must be completed with a &quot;C&quot; (2.0) or better.</td>
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<tr>
<td>See Common Prerequisites in the Transfer and Transition Services section for more information.</td>
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| 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 | MAC 2233 | Concepts of Calculus and STA 2023 | 3 hrs |
| or | ECO 3411 | Quantitative Business Tools II | 4 hrs |
| or | FIN 3403C | Business Finance | 4 hrs |
| 1 GEB 3031 | Cornerstone: Professional Skills for Business | 3 hrs |
| GEB 3031L | Cornerstone Lab: Professional Skills for Business | 1 hr |
| GEB 3375 | Introduction to International Business | 4 hrs |
| ISM 3011C | Essentials of Management Information Systems | 4 hrs |

#### 3. Core Requirements: Basic Level (32 hrs)

| First or subsequent semester in the College of Business Administration: | |
| BUL 2130 | Legal and Ethical Environment of Business | 4 hrs |
| ECO 3411 | Quantitative Business Tools II | 4 hrs |
| FIN 3403C | Business Finance | 4 hrs |
| 1 GEB 3031 | Cornerstone: Professional Skills for Business | 3 hrs |
| GEB 3031L | Cornerstone Lab: Professional Skills for Business | 1 hr |
| GEB 3375 | Introduction to International Business | 4 hrs |
| ISM 3011C | Essentials of Management Information Systems | 4 hrs |

#### 4. Core Requirements: Advanced Level (9 hrs)

| Select 5: | |
| FIN 3414 | Intermediate Corporate Finance | 3 hrs |
| FIN 3504 | Investment Analysis | 3 hrs |
| MAR 3391 | Professional Selling | 3 hrs |
| REE 3614 | Environmental Issues for Real Estate | 3 hrs |
| REE 4103 | Real Estate Appraisal and Valuation | 3 hrs |
| REE 4203 | Commercial Real Estate Finance | 3 hrs |
| REE 4204 | Residential Real Estate Finance | 3 hrs |
| REE 4303 | Real Estate Investment Analysis | 3 hrs |
| REE 4732 | Real Estate Development | 3 hrs |
| 1 REE 4903H | Honors Directed Readings I | 1 hr |
| REE 4933 | Advanced Topics in Real Estate | 3 hrs |
| REE 4941 | Internship | 1 hr |
| 1 REE 4970H | Undergraduate Honors Thesis | 1 hr |

1 Must be accepted into the UCF Honors in the Major program. See http://www.honors.ucf.edu/ for details.

#### 5. Restricted Electives (15 hrs)

#### 6. Capstone Requirements (4 hrs)

| MAN 4720 | Strategic Management | 4 hrs |

This course should be taken in the graduating term and requires the following prerequisites:

| FIN 3403C | Business Finance | 4 hrs |
| GEB 3031 | Cornerstone: Professional Skills for Business | 3 hrs |
| MAN 3025 | Management of Organizations | 4 hrs |
| MAR 3023 | Marketing | 4 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
- 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, the CLAS and nine hours of Summer credit (if applicable)

#### Total Semester Hours Required
- 120

#### Honors In Major
- None

#### Related Programs
- None
Certificates
- Real Estate: Mortgage Brokerage
- Real Estate: Real Estate Appraisal
- Real Estate: Real Estate Brokerage

Related Minors
- None

Advising Notes
- Florida Public Community College 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
- Courses taken at community colleges 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 ECO 3401.
- 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.
- Any student receiving a business degree must complete one half (30) of the 60 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.
- Any student receiving a business degree must complete one half (30) of the 60 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 (120 hrs)
- Must complete nine hours in a summer semester

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- MAC 1105 College Algebra 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- Cult-Hist I Elective 3 hrs

Freshman Year - Spring
- CGS 2100C Computer Fundamentals for Business 3 hrs
- ENC 1102 Composition II 3 hrs
- Cult-Hist II Elective 3 hrs

Sophomore Year - Fall
- ACG 2021 Principles of Financial Accounting 3 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs
- Science Elective 3 hrs

Sophomore Year - Spring
- ACG 2071 Principles of Managerial Accounting 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs
- ECO 3401 Quantitative Business Tools I 3 hrs
- FIN 2100 Personal Finance and Investments 3 hrs
- Science 3 hrs

Junior Year - Fall
- FIN 3403C Business Finance 4 hrs
- GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
- REE 3043 Fundamentals of Real Estate 3 hrs
- REE 3433 Real Estate Law 3 hrs

Junior Year - Spring
- ECO 3411 Quantitative Business Tools II 4 hrs
- GEB 3375 Introduction to International Business 4 hrs
- MAR 3023 Marketing 4 hrs
- REE Elective 3 hrs

Senior Year - Fall
- BUL 3130 Legal and Ethical Environment of Business 4 hrs
- ISM 3011C Essentials of Management Information Systems 4 hrs
- MAN 3025 Management of Organizations 4 hrs
- REE Elective 3 hrs

Senior Year - Spring
- MAN 4720 Strategic Management 4 hrs
- REE Elective 3 hrs
- 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

Religious Studies (B.A.)
College of Arts and Humanities
Department of Philosophy,
Psychology Building, Room: 220
http://www.philosophy.cah.ucf.edu
E-mail: religion@mail.ucf.edu
Dr. Claudia Schippert
Phone: 407-823-2273

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internshship 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 Religious 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 HUM 2210 Humanistic Tradition I 3 hrs
- Required HUM 2230 Humanistic Tradition II 3 hrs
- Required REL 2300 World Religions 3 hrs
UCF Degree Programs

C: Mathematical Foundations (6 hrs)

1 MGF 1106 Finite Mathematics 3 hrs
Prefer
Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

1 May substitute a higher level math course

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (0 hrs)

None

3. Core Requirements: Basic Level (0 hrs)

HUM 2210 Humanistic Tradition I GEP
HUM 2230 Humanistic Tradition II GEP
REL 2300 World Religions GEP

4. Core Requirements: Advanced Level (24 hrs)

Foundations in the Study of Religion and Humanities (9 hrs)

Religion
JST 3401 The Jewish People I or 3 hrs
JST 3402 The Jewish People II 3 hrs

Select 1: 3 hrs

Select 2: 3 hrs

Traditions: Religion in a Global World (9 hrs)

Select 1: 3 hrs

Select 2: 3 hrs

Applications: Topics and Issues in the Study of Religion (6 hrs)

Select 2: 3 hrs

5. Restricted Electives (9 hrs)

Select three courses from the following list and/or the Core list above (if not being used to fulfill Core Requirements):

Note: Relevant new or special topics courses in philosophy, humanities, or other relevant areas may be substituted for some required courses with prior approval by department advisor.

Select 3: 3 hrs

Harlem, Haiti, and Havana or 3 hrs
Islam and its Empires or 3 hrs
The Modern Middle East or 3 hrs
Contemporary Multicultural Studies or 3 hrs
The Classical Ideal or 3 hrs
Performance Theory or 3 hrs

JST 3100 The Hebrew Creative Mind or 3 hrs
JST 3125 The Book of Job or 3 hrs
JST 3144 Dead Sea Scrolls or 3 hrs
JST 3450 Modern Jewish Experience or 3 hrs
JST 3550 Introduction of Modernism into Judaism or 3 hrs
JST 3701 History of the Holocaust or 3 hrs
JST 3751 Literature of the Holocaust or 3 hrs
JST 3810 The Jewish National Movement and Roots of Zionism or 3 hrs

LIT 3202 Death and Dying or 3 hrs
LIT 4374 Literature of the Bible or 3 hrs
PHI 3629 Family Values or 3 hrs
PHI 3638 Ethical Issues in the 21st Century or 3 hrs
PHI 3684 Ways of Living or 3 hrs
PHI 4321 Philosophies of Embodiment: Mind/Body/Self or 3 hrs

PHI 4341 Ways of Knowing or 3 hrs
PHI 4804 Critical Theory or 3 hrs
PHM 3020 Philosophy of Love or 3 hrs
PHM 3100 Freedom and Justice or 3 hrs
PHP 3786 Existentialism or 3 hrs
REL 4941 Internship 1 hr

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.

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 4910 Senior Research Seminar 3 hrs
REL 4970H Undergraduate Honors Thesis 1 hr
STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

Must Take:

REL 4910 Senior Research Seminar 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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120
Students considering graduate school in Religious Studies are strongly encouraged to take Honors in the Major.

Requirements are as follows:

Core, Elective Requirements, and Senior Seminar
- Same requirement as for regular majors

Honors Thesis
- 36 hrs
- REL 4903H - Honors Directed Readings I (1 hr)
- REL 4970H - Undergraduate Honors Thesis (1 hr)

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 Religious Studies GPA of at least 3.5.
- Successful completion and oral defense of Honors Thesis.

Honors in Major
- 6 hrs
- REL 4903H - Honors Directed Readings I (1 hr)
- REL 4970H - Undergraduate Honors Thesis (1 hr)

Honors 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 Religious Studies GPA of at least 3.5.
- Successful completion and oral defense of Honors Thesis.

Honors Thesis
- 6 hrs
- REL 4903H - Honors Directed Readings I (1 hr)
- REL 4970H - Undergraduate Honors Thesis (1 hr)

Related Programs
- Humanities
- Interdisciplinary Studies
- Philosophy

Certificates
- None

Related Minors
- Humanities
- Judaic Studies
- Philosophy
- Religious Studies

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges 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
- 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
- Restricted Elective (3 hrs)
- ENC 1102 - Composition II (3 hrs)
- HUM 2230 - Humanistic Tradition II (3 hrs)
- SPN 1121C - Elementary Spanish Language and Civilization II (4 hrs)
- STA 1060C - Basic Statistics Using Microsoft Excel (3 hrs)

Sophomore Year - Fall
- GEP (3 hrs)
- GEP (3 hrs)
- Restricted Elective (3 hrs)
- Restricted Elective (3 hrs)

Sophomore Year - Spring
- GEP (3 hrs)
- GEP (3 hrs)
- Restricted Elective (3 hrs)
- Restricted Elective (3 hrs)

Junior Year - Fall
- 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)
- REL 3340 - Buddhist Thought (3 hrs)

Senior Year - Spring
- Restricted Elective (3 hrs)
- Restricted Elective (3 hrs)
- Restricted Elective (3 hrs)
- REL 4910 - Senior Research Seminar (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

Restaurant and Foodservice Management (B.S.)
Rosen College of Hospitality Management
Department of Food-services and Lodging, 9907 Universal Boulevard, Orlando, FL 32819
http://www.hospitality.ucf.edu
E-mail: hospitality@mail.ucf.edu
Dr. Joe Hutchinson, Department Chair
Dr. Abraham Pizam, Dean
Phone: 407-903-8000

Admission Requirements
- None

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
     Required MAC 1105 - College Algebra (3 hrs)
   Select 1:
     Required CGS 2100C - Computer Fundamentals for Business or
     Required STA 2023 - Statistical Methods I (3 hrs)
   D: Social Foundations
     Select 1:
     Required ECO 2013 - Principles of Macroeconomics or
     Required ECO 2023 - Principles of Microeconomics (3 hrs)
     Select 1:
     Required ANT 2000 - General Anthropology or
     Required PSY 2012 - General Psychology or
     Required SYG 2000 - Introduction to Sociology (3 hrs)
   E: Science Foundations (6 hrs)
**UCF Degree Programs**

<table>
<thead>
<tr>
<th>2. Common Program Prerequisites (CPP)</th>
<th>(3 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 1000 Introduction to the Hospitality and Tourism Industry</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

\[1 \text{ See “Common Prerequisites” in the Transfer and Transitions section (pg. 46) for more information.}\]

<table>
<thead>
<tr>
<th>3. Core Requirements: Basic Level</th>
<th>(0 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 1105 College Algebra</td>
<td>GEP</td>
</tr>
</tbody>
</table>

**Select 1:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CGS 2100C Computer Fundamentals for Business</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 2023 Statistical Methods I</td>
<td>GEP</td>
</tr>
</tbody>
</table>

**Select 1:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 2013 Principles of Macroeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 2023 Principles of Microeconomics</td>
<td>GEP</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>4. Core Requirements: Advanced Level</th>
<th>(55 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 2220 Hospitality Human Resources Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 2401 Hospitality Industry Financial Accounting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 2500 Hospitality and Tourism Marketing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3431 Hospitality Industry Managerial Accounting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3444 Hospitality Information Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3540 Guest Services Management I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3603 Legal Environment in the Hospitality and Tourism Industry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4286 Hospitality Communications</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4464 Hospitality Industry Finance</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Internships**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 3940 Internship</td>
<td>1 hr</td>
</tr>
<tr>
<td>HFT 4941 Internship</td>
<td>1 hr</td>
</tr>
<tr>
<td>HFT 4944 Practicum</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

**Restaurant Management Core**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FSS 2221C Techniques of Food Preparation</td>
<td>4 hrs</td>
</tr>
<tr>
<td>FSS 3124 Supply and Procurement Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3263 Restaurant Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4286 Restaurant Brand Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4288 Case Studies in Restaurant Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4281 Restaurant Leadership Strategies and Tactics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4844 Sanitation in the Food Service Industry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4861C Beverage Management</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**5. Restricted Electives**

<table>
<thead>
<tr>
<th>Select 5:</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>FSS 3008 Culture and Cuisine or Intermediate Techniques of Food Production or Corporate Contract and Managed Services Organizations or Catering and Banquet Organization or Food Service Marketing Advertising or Promotion Management or Franchising in the Restaurant Industry or History and Culture of Wine or Restaurant Leadership Strategies and Tactics or Hospitality Facilities Planning and Design or Food, Beverage, and Labor Cost Controls or Seminar in Quality Brewing and Fine Beer or Advanced Wine Management or Exploring Wines of the World or International Gastronomy or Nutrition Concepts and Issues in the Food Service Industry</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**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**

- 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.
- 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, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**

- 120

**Honors In Major**

- None

**Related Programs**

- None

**Certificates**

- None

**Related Minors**

- None

**Advising Notes**

- None

**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.
- Florida Public Community College students are encouraged to complete general education requirements, prior to transferring to UCF.
- A minimum of 30 semester hours must be completed at UCF within the Rosen College of Hospitality Management.
- 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**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CGS 2100C Computer Fundamentals for Business</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 1101 Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 1000 Introduction to the Hospitality and Tourism Industry</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Select 1:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2000 General Anthropology or General Psychology or Introduction to Sociology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSY 2012 General Psychology or Introduction to Sociology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYG 2000 Introduction to Sociology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
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.
- 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)
- 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)
- Prefer AMH 2010 U.S. History: 1492-1877 3 hrs
- Prefer AMH 2020 U.S. History: 1877-Present 3 hrs
- Prefer PHI 2010 Introduction to Philosophy 3 hrs

C: Mathematical Foundations (6 hrs)
- Select 1: STA 1060C Basic Statistics Using Microsoft Excel or STA 2014C Principles of Statistics 3 hrs

2. Common Program Prerequisites (CPP) (9 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

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.

3. Core Requirements: Basic Level (12 hrs)
- Transfer Notes: Courses taken at community colleges may substitute for select courses in this section with the permission of the department.

BSC 2010C Biology I GEP
BSC 2011C Biology II 4 hrs
CHM 2045C Chemistry Fundamentals I 4 hrs
EDF 2130 Child and Adolescent Development for Educators 3 hrs
PSC 1121 Physical Science GEP
PSC 1127L Physical Science Lab 1 hr

1 A grade of “C” (1.75) or better is required.

4. Core Requirements: Advanced Level (62 hrs)
- Education Core Requirements 18 hrs
  - Program Internship I Prerequisites: EDG 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.
## UCF Degree Programs

- 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 Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.
- EDF 4603 Learning Theory and Assessment 3 hrs
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- 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
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

### Internship I Block
- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
- 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/](http://www.education.ucf.edu/clinicalexp/)

### Specialization Requirements
- CMH 2046 Chemistry Fundamentals II 3 hrs
- CMH 2046L Chemistry Fundamentals Laboratory 1 hr
- CMH 2205 Introduction to Organic and Biochemistry 5 hrs
- MCB 3020C General Microbiology 5 hrs
- PCB 3044 Principles of Ecology 3 hrs
- PCB 3044L Principles of Ecology Laboratory 1 hr
- SCE 4361 Programs in Teaching Science 3 hrs

### Select 1:
- PCB 3073C Human Physiology or 4 hrs
- ZOO 3733C Human Anatomy or 4 hrs
- PCB 3063 Genetics & PCB 3063L Genetics Lab 4 hrs

### Internship II
- 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 score on the Subject Area Examination (Biology 6-12) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended 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/](http://www.education.ucf.edu/clinicalexp/)
- Satisfaction 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.

### 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.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- Pass all applicable sections of the Florida Teacher Certification 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, the CLAS and nine hours of Summer credit (if applicable)

### 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
- 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

### Freshman Year - Spring
- EDF 2005 Introduction to Diversity for Educators 3 hrs
- ENC 1102 Composition II 3 hrs
- PHI 2010 Introduction to Philosophy 3 hrs
- PSC 1121 Physical Science 3 hrs
- PSC 1121L Physical Science Lab 1 hr
- SPC 1608 Fundamentals of Oral Communication 3 hrs
Science Education - Chemistry (B.S.)

College of Education
Department of Teaching and Learning Principles,
Education Building, Room: 209
http://education.ucf.edu/science/
Dr. Aldrin Sweeney, ED 123L, asweeney@pegasus.cc.ucf.edu
Dr. Janet Andreasen, ED 123Q, jandreas@mail.ucf.edu, 407-823-5430
Phone: 407-823-2561

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university
- Have a minimum 2.5 overall GPA
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).
- 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.

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
- 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)
- 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

B: Cultural & Historical Foundations (9 hrs)
- Prefer AMH 2020 U.S. History: 1877-Present 3 hrs
- Prefer AMH 2020 U.S. History: 1877-Present 3 hrs

C: Mathematical Foundations (6 hrs)
- Required MAC 1114 College Trigonometry 3 hrs

Select 1: (3 hrs)
- Prefer STA 1060C Basic Statistics Using Microsoft Excel 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 BSC 2010C Biology I 4 hrs
- Required PSC 1121 Physical Science 3 hrs

1 A grade of "C-" (1.75) or better is required.

2. Common Program Prerequisites (CPP) (9 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

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.
UCF Degree Programs

3. Core Requirements: Basic Level (8 hrs)
   - Transfer Notes: Courses taken at community colleges may substitute for select courses in this section with the permission of the department.

   - BSC 2010C  Biology I  GEP
   - CHM 2045C  Chemistry Fundamentals I  4 hrs
   - EDF 2130  Child and Adolescent Development for Educators  3 hrs
   - MAC 1114  College Trigonometry  GEP
   - PSC 1121  Physical Science  GEP
   - PSC 1121L  Physical Science Lab  1 hr

4. Core Requirements: Advanced Level (66 hrs)

   - Education Core Requirements 18 hrs
     - Program Internship I Prerequisites: EDG 4410, TSL 4080
     - EDG 4410  Teaching Strategies and Classroom Management  3 hrs
     - EEX 4242  Teaching Exceptional Students in Secondary Settings  3 hrs
     - RED 4043  Content Reading Kindergarten through Grade 12  3 hrs
     - TSL 4080  Theory and Practice of Teaching ESOL Students in Schools  3 hrs

   - Internship I Block 7 hrs
     - EDF 4467  Learning Theory and Assessment  3 hrs
     - EDF 4603  Analysis and Application of Ethical, 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 4043  Content Reading in Kindergarten through Grade 12  3 hrs
     - TSL 4080  Theory and Practice of Teaching ESOL Students in Schools  3 hrs

   - Internship II 12 hrs
     - BCH 4053  Biochemistry I  3 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
     - CHM 3120  Analytical Chemistry  3 hrs
     - CHM 3120L  Analytical Chemistry Laboratory  1 hr
     - CHS 3501  Introduction to Forensic Science  3 hrs
     - PHY 2053C  College Physics I  4 hrs
     - SCE 4361  Programs in Teaching Science  3 hrs

   - Internship II 12 hrs
     - At least 80% of all required chemistry 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 score on the Subject Area Examination (Chemistry 6-12) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II.
     - Students must apply and be approved for Internship II.

5. Restricted Electives (0 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
   - 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.
    - Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
    - Pass all applicable sections of the Florida Teacher Certification 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

   - 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
- EDF 2005: Introduction to the Teaching Profession (3 hrs)
- ENC 1101: Composition I (3 hrs)
- PSC 1121: Physical Science (3 hrs)
- PSC 1121L: Physical Science Lab (1 hr)
- PSY 2012: General Psychology (3 hrs)
- STA 2014C: Principles of Statistics (3 hrs)
- STA 1060C: Basic Statistics Using Microsoft Excel (3 hrs)
- Select 1: (3 hrs)

### Junior Year - Fall
- PHY 2053C: College Physics I (4 hrs)
- CHEM 2210: Organic Chemistry I (3 hrs)
- CHEM 2210L: Organic Chemistry Laboratory (1 hr)
- EDF 4467: Learning Theory and Assessment (3 hrs)
- EDF 4410: Teaching Strategies and Classroom Management (3 hrs)
- EEX 4242: Teaching Exceptional Students in Secondary Settings (3 hrs)

### Sophomore Year - Summer
- EME 2040: Introduction to Technology for Educators (3 hrs)
- POS 2041: American National Government (3 hrs)

### Sophomore Year - Fall
- AMH 2010: U.S. History: 1492-1877 (3 hrs)
- BSC 2010C: Biology I (4 hrs)
- CHEM 2046C: Chemistry Fundamentals I (4 hrs)
- SPC 1121L: Physical Science Lab (1 hr)
- Select 1: (3 hrs)
- STA 1060C: Basic Statistics Using Microsoft Excel OR STA 2014C: Principles of Statistics (3 hrs)

### Junior Year - Summer
- TSL 4080: Theory and Practice of Teaching ESOL (3 hrs)

### Senior Year - Fall
- BCH 4053: Biochemistry I (3 hrs)
- EDF 4603: Analysis and Application of Ethical, Legal, and Safety Issues in Schools (3 hrs)
- SCE 3940: Internship (3 hrs)
- SCE 4380: Science Instructional Analysis (4 hrs)

### Senior Year - Spring
- SCE 4941: Internship (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

### Science Education - Physics (B.S.)

#### College of Education
- Department of Teaching and Learning Principles, Education Building, Room: 209
- [http://education.ucf.edu/science/](http://education.ucf.edu/science/)
- Dr. Aldrin Sweeney, ED 123L, asweeney@pegasus.cc.ucf.edu
- Dr. Janet Andreasen, ED 123Q, jandreas@mail.ucf.edu, 407-823-5430
- Phone: 407-823-2561

#### Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university.
- Have a minimum 2.5 overall GPA.
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted.)
- 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.

#### 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.
- 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.
   - **A: Communication Foundations** (9 hrs)
     - Required ENC 1101: Composition I (3 hrs)
     - Required ENC 1102: Composition II (3 hrs)
     - Prefer EDF 2085: Introduction to Diversity for Educators (3 hrs)
   - **B: Cultural & Historical Foundations** (9 hrs)
     - Prefer AMH 2010: U.S. History: 1492-1877 (3 hrs)
     - Prefer AMH 2020: U.S. History: 1877-Present (3 hrs)
     - Prefer PHI 2010: Introduction to Philosophy (3 hrs)
   - **C: Mathematical Foundations** (4 hrs)
     - Required MAC 2311: Calculus with Analytic Geometry I (4 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)
     - Required PSC 1121: Physical Science (3 hrs)
   - **Select 1:** (3 hrs)
     - Prefer STA 1060C: Basic Statistics Using Microsoft Excel (3 hrs)
     - Prefer STA 2014C: Principles of Statistics (3 hrs)
   - **F: Science Foundations** (3 hrs)
   - **Select 1:** (3 hrs)
     - Prefer ANT 2511: The Human Species or BSC 1005: Biological Principles (3 hrs)
   - **Select 2:** (3 hrs)
     - Prefer EDF 2005: Introduction to the Teaching Profession (3 hrs)
     - Prefer EDF 2085: Introduction to Diversity for Educators (3 hrs)
     - Prefer EME 2040: Introduction to Technology for Educators (3 hrs)

1. **Common Program Prerequisites (CPP)** (9 hrs)
   - See “Common Prerequisites” in the Transfer and Transition Services section for more information.

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.
### UCF Degree Programs

#### 3. Core Requirements: Basic Level (8 hrs)
- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- MAC 2311 Calculus with Analytic Geometry I GEP
- PHY 2048C Physics for Engineers & Scientists I 4 hrs
- PSC 1121 Physical Science GEP
- PSC 1121L Physical Science Lab 1 hr

#### 4. Core Requirements: Advanced Level (66 hrs)
**Education Core Requirements**
- Program Internship I Prerequisites: EDF 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 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 Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL.

**Internship I Block**
- Passing score on the General Knowledge 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 Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL.

**Specialization Requirements**
- CHM 2045C Chemistry Fundamentals I 4 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- PHY 2049C Physics for Engineers and Scientists I 4 hrs
- PHY 3101 Physics for Engineers and Scientists III 3 hrs
- SCE 4361 Programs in Teaching Science 3 hrs

**Select 1:**
- PHY 3722C Physics Laboratory-Electronics 3 hrs
- PHY 3752C Physics of Scientific Instruments 3 hrs

#### 5. Restricted Electives (0 hrs)
- 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.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- Pass all applicable sections of the Florida Teacher Certification 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, the CLAS and nine hours of Summer credit (if applicable)

#### 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
- EDP 2005: Introduction to the Teaching Profession 3 hrs
- ENC 1101: Composition I 3 hrs
- PSY 2012: General Psychology 3 hrs

#### Select 1:
- STA 1080C: Basic Statistics Using Microsoft Excel or STA 2014C: Principles of Statistics 3 hrs

#### Freshman Year - Spring
- EDF 2085: Introduction to Diversity for Educators 3 hrs
- ENC 1102: Composition II 3 hrs
- MAC 2311: Calculus with Analytic Geometry I 4 hrs
- PHI 2010: Introduction to Philosophy 3 hrs
- SPC 1608: Fundamentals of Oral Communication 3 hrs

#### Freshman Year - Summer
- EME 2040: Introduction to Technology for Educators 3 hrs
- POS 2041: American National Government 3 hrs

#### Sophomore Year - Fall
- AMH 2010: U.S. History: 1492-1877 3 hrs
- MAC 2312: Calculus with Analytic Geometry II 4 hrs
- PSC 1121: Physical Science 3 hrs
- PSC 1121L: Physical Science Lab 1 hr

#### Sophomore Year - Spring
- AMH 2020: U.S. History: 1877-Present 3 hrs
- CHM 2045C: Chemistry Fundamentals I 4 hrs
- EDF 2130: Child and Adolescent Development for Educators 3 hrs
- MAC 2313: Calculus with Analytic Geometry III 4 hrs

#### Sophomore Year - Summer
- EME 2040: Introduction to Technology for Educators 3 hrs
- POS 2041: American National Government 3 hrs

#### Junior Year - Fall
- EDF 4410: Teaching Strategies and Classroom Management 3 hrs
- EEX 4242: Teaching Exceptional Students in Secondary Settings 3 hrs
- TSL 4080: Theory and Practice of Teaching ESOL Students in Schools 3 hrs

#### Junior Year - Spring
- EDF 4467: Learning Theory and Assessment 3 hrs
- PHY 2049C: Physics for Engineers and Scientists II 4 hrs
- RED 4043: Content Reading in Kindergarten through Grade 12 3 hrs
- SCE 4361: Programs in Teaching Science 3 hrs

#### Junior Year - Summer
- PHY 3101: Physics for Engineers and Scientists III 3 hrs

#### Senior Year - Fall
- EDF 4603: Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- SCE 3940: Internship 3 hrs
- SCE 4360: Science Instructional Analysis 4 hrs

#### Senior Year - Spring
- PHY 3722C: Physics Laboratory-Electronics 3 hrs
- PHY 3752C: Physics of Scientific Instruments 3 hrs

#### 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

#### Social Science Education (B.S.)

**College of Education**

**Department of Teaching and Learning Principles,**

**Education Building, Room: 209**

[http://education.ucf.edu/ssed/](http://education.ucf.edu/ssed/)

**Dr. Scott Waring, ED 206J, swaring@mail.ucf.edu, 407-823-1766**

**Dr. Janet Andreassen, ED 123Q, jandreas@mail.ucf.edu, 407-823-5430**

### Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university.
- Have a minimum 2.5 overall GPA.
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).
- 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.

### 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.

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 preferred courses.

#### A: Communication Foundations (9 hrs)
- Required: ENC 1101: Composition I 3 hrs
- Required: ENC 1102: Composition II 3 hrs
- Register: SPC 1608: Fundamentals of Oral Communication 3 hrs

#### B: Cultural & Historical Foundations (9 hrs)
- Required: AMH 2010: U.S. History: 1492-1877 3 hrs
- Required: AMH 2020: U.S. History: 1877-Present 3 hrs
- Register: PHI 2010: Introduction to Philosophy 3 hrs

#### C: Mathematical Foundations (6 hrs)
- Select 1:
  - Register: STA 1060C: Basic Statistics Using Microsoft Excel or STA 2014C: Principles of Statistics 3 hrs
  - Register: STA 2014C: Principles of Statistics 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)
- Select 1:
  - Required: PSC 1121: Physical Science 3 hrs

#### 2. Common Program Prerequisites (CPP) (9 hrs)
- Required: EDF 2085: Introduction to Diversity for Educators 3 hrs
- Required: EME 2040: Introduction to Technology for Educators 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.
UCF Degree Programs

3. Core Requirements: Basic Level (9 hrs)
   - Student should consult advisor regarding course options.
   - ECO 2013 Principles of Macroeconomics 3 hrs
   - EDF 2130 Child and Adolescent Development for Educators 3 hrs
   - SYG 2000 Introduction to Sociology 3 hrs

1. Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

4. Core Requirements: Advanced Level (66 hrs)

Education Core Requirements 18 hrs
   - 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: EGD 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.
   - Prior to Internship I, the student must have completed EGD 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 II.
   - A minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
   - A minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
   - Pass all applicable sections of the Florida Teacher Certification Examination. Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the preprofessional level in accordance with State Board of Education Rule 6A-5.066.
   - Passing score on the Subject Area Examination (Social Science 6-12) portion of the Florida Teacher Certification Examination is strongly recommended 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 preprofessional level in accordance with State Board of Education Rule 6A-5.066.

Internship I Block 6 hrs
   - Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination is required before application to Internship I.
   - 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 3940 Internship 3 hrs
SSE 4361 Social Science Instructional Analysis 4 hrs

Specialization Requirements 30 hrs
AMH 2010 U.S. History: 1492-1877 GEP
AMH 2020 U.S. History: 1877-Present GEP
ECO 2023 Principles of Microeconomics 3 hrs
EUH 2000 Western Civilization I 3 hrs
EUH 2001 Western Civilization II 3 hrs
GEO 3471 World Political Geography 3 hrs
POS 2041 American National Government GEP
PSY 2012 General Psychology GEP
SSE 4936 Programs in Teaching Social Science 3 hrs
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

Internship II 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.

5. Restricted Electives (0 hrs)
   - 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.
    - Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
    - Pass all applicable sections of the Florida Teacher Certification 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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
   - 120

Honors In Major
   - None

Related Programs
   - None

Related Minors
   - None

Advising Notes
   - None

Transfer Notes
   - None

Acceptable Substitutes for Transfer Courses
   - None
Plan of Study (120 hrs)

**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

**Freshman Year - Spring**
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- ENC 1102 Composition II 3 hrs
- POS 2041 American National Government 3 hrs

**Select 1:**
- ANT 2511 The Human Species 3 hrs
- BSC 1005 Biological Principles 3 hrs

**Freshman Year - Summer**
- EME 2040 Introduction to Technology for Educators 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

**Sophomore Year - Fall**
- AMH 2010 U.S. History: 1492-1877 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs
- RSC 1121 Physical Science 3 hrs
- SYG 2000 Introduction to Sociology 3 hrs

**Select 1:**
- STA 1080C Basic Statistics Using Microsoft Excel or 3 hrs
- STA 2014C Principles of Statistics 3 hrs

**Sophomore Year - Spring**
- AMH 2020 U.S. History: 1877-Present 3 hrs
- SYG 2023 Principles of Macroeconomics 3 hrs
- 1 EDF 2130 Child and Adolescent Development for Educators 3 hrs
- PHI 2010 Introduction to Philosophy 3 hrs

**Junior Year - Fall**
- EDF 4467 Learning Theory and Assessment 3 hrs
- EDF 4410 Teaching Strategies and Classroom Management 3 hrs
- EUH 2000 Western Civilization I 3 hrs
- SSE 4936 Programs in Teaching Social Science 3 hrs
- Upper Division Non-Western History Elective (AFH, ASH, LAH 3/4XXX) 3 hrs

**Junior Year - Spring**
- GEO 3471 World Political Geography 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
- SSE 3840 Internship 3 hrs
- SSE 4361 Social Science Instructional Analysis 4 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
- American History Elective (AMH 3/4XXX) 3 hrs
- Field of Concentration Upper Level Elective (AFH, AMH, ASH, CPO, INR, CAH, or POS 3/4XXX) 3 hrs

**Senior Year - Spring**
- SSE 4941 Internship 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

**Social Sciences (B.S.)**
**College of Sciences**
**Department of Sociology**, Howard Phillips Hall, Room: 403
http://sociology.ucf.edu/
E-mail: sociology@mail.ucf.edu
Dr. H. Corzine
Phone: 407-823-3744

The Social Science Interdisciplinary Degree emphasizes the critical study of the social world. The curriculum increases students’ awareness of the social sciences and how they interpret society, societal institutions, social interaction and communication, social culture, as well as past and present human conditions. Students focus on several specific areas within the social sciences while becoming aware of the interdisciplinary nature of the participating programs.

**Admission Requirements**
- None

**Degree Requirements**
- Students who change degree programs and select this major must adopt the most current catalog.
- Students who declare the Social Sciences major must meet with a program advisor and complete a standardized entrance exam.
- Students must meet the residency requirements specified in each minor.
- Special topics courses may be used if they are acceptable within the specific minor.
- A minimum UCF GPA of 2.0 is required in all courses used to satisfy the major.
- Grades below “C” (2.0) in lower level courses are not accepted.
- Co-op, internship, or credit by exam (TSD, Military credit) cannot be used in this major.
- Independent Studies and Directed Independent Research (course numbers 3905, 4906, 5907, 4912, 5917, 3940, 4941) must be approved by the Sociology Department prior to enrollment.
- 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

   **Complete one of the following:**
   - 3 hrs
   - Preferred COM 1000 Introduction to Communication or 3 hrs
   - Suggested SPC 1603 Fundamentals of Technical Presentations or 3 hrs
   - 1 Required if Communication option of the major is to be followed.

   **B: Cultural & Historical Foundations**
   - 9 hrs

   **C: Mathematical Foundations**
   - 6 hrs

   **Statistics:**
   - 3 hrs
   - Required STA 2014C Principles of Statistics or 3 hrs
   - Required STA 2023 Statistical Methods I 3 hrs

   **Math:**
   - 3 hrs
   - You may substitute a higher level math with appropriate scores on the Math Placement Test.
   - Preferred MGF 1107 Explorations in Mathematics 3 hrs

   **D: Social Foundations**
   - 6 hrs

   **Select the following course:**
   - 3 hrs
   - Required POS 2041 American National Government 3 hrs
Select one of the following, depending on the concentration to be followed.  

**Required**

- **ANT 2000** General Anthropology or **3 hrs**
- **PSY 2012** General Psychology or **3 hrs**
- **SYG 2000** Introduction to Sociology **3 hrs**

**E: Science Foundations** (6 hrs)

2. **Common Program Prerequisites (CPP)** (0 hrs) 
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- Students must complete two introductory courses in a social science discipline.
- Course selection depends on concentration to be followed.

3. **Core Requirements: Basic Level** (0 hrs)

Select one of the following Statistics courses: 0 hr

- **STA 2014C** Principles of Statistics or 
- **STA 2023** Statistical Methods I

Select at least three of the following, depending on concentrations to be taken: 0 hr

- **ANT 2000** General Anthropology 
- **POS 2041** American National Government or 
- **PSY 2012** General Psychology or 
- **SPC 1608** Fundamentals of Oral Communication or 
- **SYG 2000** Introduction to Sociology

4. **Core Requirements: Advanced Level** (57 hrs)

Select one methods’ course: 3 hrs

- **COM 3311** Communication Research Methods or 
- **POS 3703** Scope and Methods of Political Science or 
- **PSY 3213C** Research Methods in Psychology or 
- **SYA 4300C** Research Methods

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**

5. **Restricted Electives** (0 hrs)

- None

6. **Capstone Requirements**

- Students will be required to take a standardized exit exam in their graduating semester.

7. **Foreign Language Requirements**

Admissions

- Met by graduation requirement

Graduation

- Proficiency equivalent to one year of college instruction in either a foreign language, three semesters equivalent of American Sign Language, or one course with a multicultural dimension. Standardized examinations 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 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.

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.
- Before applying to graduate, the CLAS must be completely satisfied.
- Students will be required to take a standardized 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, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**

- 120

**Honors In Major**

- None

**Related Programs**

- Anthropology
- Economics
- Interdisciplinary Studies - Liberal Arts Track
- Political Science
- Psychology
- Public Administration
- Sociology

**Certificates**

- None

**Related Minors**

- Anthropology
- Economics
- Interpersonal/Organizational Communication
- Political Science
- Psychology
- Public Administration
- Sociology

**Advising Notes**

- Students should seek advising in the Sociology department.

**Transfer Notes**

- Lower Division courses taken at community colleges do not substitute for Upper Division courses
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.

Freshman Year - Fall

- Foreign Language 4 hrs
- GEP 3 hrs
- ENC 1101 Composition I 3 hrs
- MGF 1107 Explorations in Mathematics 3 hrs

Freshman Year - Spring

- Foreign Language 4 hrs
- Core Course 3 hrs
- GEP 3 hrs
- ENC 1102 Composition II 3 hrs

Sophomore Year - Fall

- Elective / Minor 3 hrs
- GEP 4 hrs
- Core Course 3 hrs
- GEP 3 hrs

Sophomore Year - Spring

- GEP 3 hrs
- GEP 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs

Junior Year - Fall

- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs

Junior Year - Spring

- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs

Senior Year - Fall

- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
- Free Elective 3 hrs

Senior Year - Spring

- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 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.oecs.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: $11 per term
- Full-Time Student: $22 per term

Social Work (B.S.W.)

College of Health and Public Affairs
School of Social Work, Health and Public Affairs I, Room: 204
http://www.copha.ucf.edu/social/
E-mail: socialwk@mail.ucf.edu
John Ronnau, Director
Robin Kohn, Undergraduate Program Coordinator
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 State Community College) or UCF General Education Program, Gordon Rule, and CLAS
  - 15 semester hours common program prerequisites (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, the CLAS and the Common Program Prerequisite Requirements before beginning the Social Work Program
- 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
- 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

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)

Select 1: Suggested STA 2014C Principles of Statistics or STA 2023 Statistical Methods I 3 hrs

Select 1: Suggested MGF 1106 Finite Mathematics or MGF 1107 Explorations in Mathematics 3 hrs

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## UCF Degree Programs

### D: Social Foundations
- Suggested: POS 2041 American National Government 3 hrs
- Suggested: PSY 2012 General Psychology 3 hrs

### E: Science Foundations
- Suggested: BSC 1005 Biological Principles 3 hrs

#### Select 1:
- Suggested: AST 2002 Astronomy or 3 hrs
- Prefer: PSC 1121 Physical Science 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.

#### Select 1:
- BSC 1005 Biological Principles 3 hrs
- POS 2041 American National Government 3 hrs
- PSY 2012 General Psychology 3 hrs
- SYG 2000 Introduction to Sociology 3 hrs

### 3. Core Requirements: Basic Level (0 hrs)
- None

### 4. Core Requirements: Advanced Level (45 hrs)
- SOW 3104 Assessing I: Human Development 3 hrs
- SOW 3111 Assessing II: Human Systems 3 hrs
- SOW 3203 Social Work & Community Resources 3 hrs
- SOW 3300 Practice I: Generalist Practice in Social Work 3 hrs
- SOW 3352 Practice II: Interpersonal Skills in Social Work: 3 hrs
- SOW 3401 Social Work Research 3 hrs
- SOW 3620 Social Work with Diverse Populations 3 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 4510 Field Education 3 hrs
- SOW 4522 Field Education Seminar 3 hrs
- SOW 4730 Documentation in Social Work Practice 3 hrs

### Required Principles of Statistics
- Choose two of the following suggested courses, or see advisor for more options:

### Foreign Language or Cultural Diversity Requirement
- 6 hrs
- Choose two of the following suggested courses:
  - AMH 3561 Women in American History I 3 hrs
  - AMH 3571 Black American History I 3 hrs
  - AMH 3586 History of the Hispanic Minorities in the U.S. 3 hrs
  - ANT 2410 Cultural Anthropology 3 hrs
  - ANT 3302 Sex, Gender and Culture 3 hrs
  - ANT 3311 Indians of the Southeastern United States 3 hrs
  - ANT 3313 Indians of North America High Plains 3 hrs
  - ANT 3363 Anthropology of Japan 3 hrs
  - ANT 3610 Language and Culture 3 hrs
  - ANT 4332 People and Cultures of Latin America 3 hrs
  - ASH 4404 China in 19th and 20th Centuries 3 hrs
  - ASH 4442 Modern Japan, 19th and 20th Centuries 3 hrs
  - ASL 4344 Introduction to Signed English and Culture of the Deaf 3 hrs
  - CPO 4303 Comparative Latin American Politics 3 hrs
  - EDF 2085 Introduction to Diversity for Educators 3 hrs
  - HSC 3593 HIV Disease: A Human Concern 3 hrs
  - HUM 3401 Asian Humanities 3 hrs
  - HUM 3417 Hindu Thought and Culture 3 hrs
  - HUM 3419 Islamic Thought and Culture 3 hrs
  - JST 3401 The Jewish People I 3 hrs
  - JST 3402 The Jewish People II 3 hrs
  - JST 3820 Modern Hebrew Culture 3 hrs
  - LAH 3130 Latin American History I 3 hrs
  - LAH 3200 Latin American History II 3 hrs
  - LAH 3400 History of Mexico and Central America 3 hrs
  - LAH 3470 History of the Caribbean 3 hrs
  - SOP 3724 Psychology of Prejudice 3 hrs
  - SOP 3742 Psychology of Women 3 hrs
  - SYD 3700 Race and Ethnicity 3 hrs

### 5. Restricted Electives (3 hrs)
- Select three 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.

### 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 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, the CLAS and nine hours of Summer credit (if applicable)

### 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
- Public Administration
- Sociology

### Certificates
- Aging Studies
- Children’s Services

### Related Minors
- Aging Studies
- American Humanics
- Health Services Administration
- Non-Profit Management/American Humanics National Certification Program
- Psychology
- Sociology
The Sociology curriculum emphasizes critical examination of various components of society. The purpose of the curriculum is to increase students’ social awareness and their abilities to employ a sociological perspective to interpret social institutions and behavior. Sociology includes the study of interpersonal interactions, organizations, and societies through the application of theoretical approaches and the use of qualitative and quantitative methods. Students will be better prepared for careers in any field by being trained in critical thinking and analytical skills, and by being familiar with theoretical and methodological tools for the study of peoples, groups, and organizations. To this end, we provide state-of-the-art training in an array of courses. Sociology majors master skills in quantitative and qualitative research methods, communication, and analytical thinking as well as acquiring written and oral presentation skills. These are among the top 10 abilities for which today’s employers are looking and are also essential for success in graduate study at UCF.
UCF Degree Programs

and professional programs. Sociology courses are directly relevant to many contemporary issues, including murder and violent crime, domestic violence, global warming, alcohol and drug abuse, popular culture, and changes in the family. The department offers groups of courses in several areas, including social institutions, the environment, crime and deviance, popular culture, family, and diversity and social inequalities. As such, the B.A. in Sociology provides excellent grounding for a wide range of careers such as teaching, public administration, metropolitan planning, behavioral analysis, legal/court case assessment, law enforcement, marketing research, advertising, public relations, human resources, child welfare officer, victim advocate, convention/events organizer, environmental/social activist, social assistance specialist, and research analyst.

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 30 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Sociology Department.
■ Students must maintain a UCF GPA of at least 2.0 in all courses used for the major.
■ Students must have a “C” (2.0) or higher in all core courses.
■ Co-op credit cannot be used 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.
■ 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.
   Prefer MAC 1105 College Algebra 3 hrs
   Statistics: 3 hrs
   Prefer STA 2014C Principles of Statistics 3 hrs
   D: Social Foundations (6 hrs)
   Social Sciences 3 hrs
   Required SYG 2000 Introduction to Sociology 3 hrs
   Political Science/Economics 3 hrs
   Select one listed course 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.
    SYA 3110 Social Theory 3 hrs
    SYG 2000 Introduction to Sociology GEP
    3. Core Requirements: Basic Level (0 hrs)
    SYG 2000 Introduction to Sociology GEP/CPP

4. Core Requirements: Advanced Level (12 hrs)
   SYA 3110 Social Theory CPP
   SYA 3400C Applied Social Statistics 4 hrs
   SYA 4300C Research Methods 4 hrs
   SYA 4450 Data Analysis 4 hrs

5. Restricted Electives (27 hrs)

Select from the following courses:
■ All special topics courses with the prefixes SYA, SYD, SYO, or SYP count toward the restricted electives requirement.
   SYA 3120 Contemporary Social Theory 3 hrs
   SYA 4650C Community Action and Involvement 3 hrs
   SYA 5625 ProSeminar 3 hrs
   SYA 5652 Advanced Population 3 hrs
   SYD 3410 Urban Society 3 hrs
   SYD 3700 Race and Ethnicity 3 hrs
   SYD 3800 Sex and Gender in Society 3 hrs
   SYD 4020 Birth, Death, and Population Trends 3 hrs
   SYD 4510 Environment and Society 3 hrs
   SYD 4810 Women in Contemporary Society 3 hrs
   SYD 4813 Women, Law and Social Change 3 hrs
   SYO 2010 Social Problems 3 hrs
   SYO 3000 Contemporary Society 3 hrs
   SYO 3360 Social Organization and Human Relations 3 hrs
   SYO 3410 Patterns of Mental Health in Society 3 hrs
   SYO 3530 Social Power and Inequality 3 hrs
   SYO 4100 Family Trends 3 hrs
   SYO 4200 Religion in Society 3 hrs
   SYO 4250 Education and Social Achievement 3 hrs
   SYO 4300 Political Sociology 3 hrs
   SYO 4400 Medical Sociology 3 hrs
   SYP 3300 Fads, Crowds, and Social Action 3 hrs
   SYP 3400 Social Change 3 hrs
   SYP 3510 Sociology of Deviant Behavior 3 hrs
   SYP 3511 Sociology of Murder 3 hrs
   SYP 3520 Criminology 3 hrs
   SYP 3530 Juvenile Delinquency 3 hrs
   SYP 3540 Sociology of Law 3 hrs
   SYP 3551 Patterns of Alcoholism in Society 3 hrs
   SYP 3562 Patterns of Domestic Violence in Society 3 hrs
   SYP 3602 Patterns of Popular Music in Society 3 hrs
   SYP 3630 Popular Culture In Society 3 hrs
   SYP 3650 Sports and Society 3 hrs
   SYP 4000 Sociological Social Psychology 3 hrs
   SYP 4004 Constructing Social Issues 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
   SYP 4550 Patterns of Drug Abuse in Society 3 hrs
   SYP 4730 Patterns of Aging in Society 3 hrs
   SYP 4732 Minority Aging 3 hrs
   SYP 5525 Sociological Criminology 3 hrs

Internship: 0 hr
■ Eligible students may enroll for 3 to 6 semester hours of Internship in the following courses. Arrangements for internships are coordinated by the Department Internship Supervisor and require prior approval.
   SYA 3940 Internship or 3 hrs
   SYA 4941 Internship or 3 hrs
   SYA 5944 Internship 3 hrs
   All special topics courses with the prefixes SYA, SYD, SYO, or SYP

6. Capstone Requirements

■ None

7. Foreign Language Requirements

Admissions
■ Met by graduation requirement.

Graduation
■ Proficiency equivalent to one year of college instruction in either a foreign language, or three semesters equivalent of American Sign Language. Standardized examinations 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
- None

11. Departmental Exit Requirements
- A minimum GPA of 2.0 in all courses used for the major.
- A minimum grade of "C" (2.0) in all core courses.
- Students will be required to take a standard exit exam in their graduating semester.
- Before applying to graduate, the CLAS must be completely satisfied.
- Computer Competency met by the following:
  
  SYA 4450  Data Analysis  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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Anthropology
- Criminal Justice

Certificates
- None

Related Minors
- African American Studies
- American Studies
- Anthropology
- Anthropology in Multicultural Studies
- Asian Studies
- Judaic Studies
- Latin American Area Studies
- Sociology
- Women's Studies

Advising Notes
- None

Transfer Notes
- Lower division courses taken at community colleges 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 CPP accepts any lower division sociology course, this course is a prerequisite for subsequent sociology courses and still must be taken.
- SYA 3110: although the CPP accepts any SYA, SYD, SYG, SYO, or SYP course, this course is required in the program and must be taken.

Plan of Study
- This is one of numerous possible plans of study. See program description for all requirements.
- Prior to enrolling in Math, take Math Placement Test ~ http://mathplacement.sdes.ucf.edu/

Freshman Year - Fall
- Foreign Language  4 hrs
- ENC 1101  Composition I  3 hrs
- MAC 1105  College Algebra  3 hrs
- SYG 2000  Introduction to Sociology  3 hrs

Freshman Year - Spring
- Free Elective  3 hrs
- Foreign Language  4 hrs
- GEP  3 hrs
- ENC 1102  Composition II  3 hrs
- STA 2014C  Principles of Statistics  3 hrs

Sophomore Year - Fall
- GEP  3 hrs
- GEP  3 hrs
- Restricted Elective  3 hrs
- Free Elective  3 hrs
- Free Elective  3 hrs

Sophomore Year - Spring
- GEP  3 hrs
- GEP  3 hrs
- Restricted Elective  4 hrs
- Restricted Elective  3 hrs
- Free Elective  3 hrs

Junior Year - Fall
- Restricted Elective  3 hrs
- SYA 3400C  Applied Social Statistics  4 hrs
- SYA 4300C  Research Methods  4 hrs

Junior Year - Spring
- Free Elective  3 hrs
- Free Elective  4 hrs
- SYA 3110  Social Theory  3 hrs
- SYA 4450  Data Analysis  4 hrs

Senior Year - Fall
- Restricted Elective  3 hrs
- Restricted Elective  3 hrs
- Free Elective  3 hrs
- Free Elective  3 hrs
- Free Elective  3 hrs

Senior Year - Spring
- Restricted Elective  3 hrs
- Restricted Elective  3 hrs
- Restricted Elective  3 hrs
- Free 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.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $7.50 per term
- Full-Time Student: $15 per term
UCF Degree Programs

Spanish (B.A.)
College of Arts and Humanities
Department of Modern Languages and Literatures,
Colbourn Hall, Room: 523
http://mll.cah.ucf.edu/
E-mail: forlang@mail.ucf.edu
Dr. Paul Giordano
Phone: 407-823-2472

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.
- 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)
      1. MGF 1106 Finite Mathematics 3 hrs
      Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
   D: Social Foundations (6 hrs)
   E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (0 hrs)
   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   1. SPN 1120C Elementary Spanish Language and Civilization I 4 hrs
   2. SPN 1121C Elementary Spanish Language and Civilization II 4 hrs
   3. SPN 2200 Intermediate Spanish Language and Civilization I 3 hrs
   4. May substitute a higher level math

3. Core Requirements: Basic Level (0 hrs)
   SPN 3234 Advanced Directed Readings 3 hrs

4. Core Requirements: Advanced Level (15 hrs)
   1. SPN 3300 Advanced Spanish Grammar and Composition 3 hrs
   2. SPN 3420 Spanish Composition 3 hrs
   3. SPN 3760 Advanced Spanish Oral Communication 3 hrs

Select one of the following sequences of courses:
   SPW 3100 Survey of Spanish Literature I and
   SPW 3101 Survey of Spanish Literature II
   or
   SPW 3130 Survey of Latin-American Literature I and
   SPW 3131 Survey of Latin-American Literature II
   1. 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 of the following
   3 hrs
   FOL 3730 Romance Philology
   SPN 3852 Bilinguismo
   SPN 4780 Spanish Phonetics
   SPN 4800 Spanish-American Syntax
   SPN 4801 Spanish Morphosyntax
   3 hrs
   Spanish literature beyond the survey level taught in Spanish
   6 hrs
   3 hrs
   Culture and Civilization
   3 hrs
   Select 1:
   SPN 4510 Spanish Civilization and Culture or
   SPN 4520 Latin American Civilization and Culture
   3 hrs
   Spanish courses
   9 hrs

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 credit hours of upper division Spanish courses.
- Students are required to satisfactorily complete a departmental exit exam. The exam is offered each September and February; students should discuss the optimal test date with their advisor.
- Computer Competency met by the following or equivalent:
   CGS 1060C Introduction to Computer Science 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, the CLAS and nine hours of Summer Credit (if applicable)

Total Semester Hours Required
- 120
Honors In Major
- None

Related Programs
- French
- Modern Language Combination

Certificates
- None

Related Minors
- French
- Italian
- Judaic Studies
- Latin American Area Studies
- Spanish

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges 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
- Elective / Minor 3 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

Freshman Year - Spring
- Elective / Minor 4 hrs
  - ENC 1102 Composition II 3 hrs
  - SPN 1121C Elementary Spanish Language and Civilization II 4 hrs
  - STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

Sophomore Year - Fall
- 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
- Elective / Minor 3 hrs
  - BSC 1005 Biological Principles 3 hrs
  - COM 1000 Introduction to Communication 3 hrs
  - MUL 2010 Enjoyment of Music 3 hrs
  - SPN 2324 Advanced Directed Readings 3 hrs

Junior Year - Fall
- Elective / Minor 3 hrs
  - Elective / Minor 3 hrs
  - SPN 3300 Advanced Spanish Grammar and Composition 3 hrs
  - SPN 3420 Spanish Composition 3 hrs
  - SPN 3760 Advanced Spanish Oral Communication 3 hrs

Junior Year - Spring
- Elective / Minor 3 hrs
  - Elective / Minor 3 hrs
  - SPN 3141 Business Spanish II 3 hrs
  - SPN 4780 Spanish Phonetics 3 hrs
  - SPN 3101 Survey of Spanish Literature II 3 hrs

Senior Year - Fall
- Elective / Minor 3 hrs
  - SPN 4520 Latin American Civilization and Culture 3 hrs
  - SPN 5705 Introduction to Spanish Linguistics 3 hrs
  - SPW 3100 Survey of Spanish Literature I 3 hrs

Senior Year - Spring
- Elective / Minor 3 hrs
  - Elective / Minor 3 hrs
  - SPN 4410 Advanced Spanish Conversation 3 hrs
  - SPW 3131 Survey of Latin-American Literature II 3 hrs
  - SPW 4381 Latin-American Theatre/Poetry 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeyes.ucf.edu/aic/academic_learning_compacts.htm

Sport and Fitness (B.S.)
College of Education
Department of Child, Family and Community Sciences, Education Building, Room: 209
http://pegasus.cc.ucf.edu/~sportfit/
Dr. Debbby Mitchell, ED 320H, mitchell@mail.ucf.edu

The Sport and Fitness B.S. program is offered at the UCF Orlando and UCF South Lake ( Clermont) Campuses. The program prepares graduates for positions with university athletic programs, community sports organizations, private and public fitness and recreation programs, and multipurpose facilities. Students select from five areas of specialization (i.e., Coaching; Fitness Training; Children’s Physical Activity and Movement; Physical Human Performance; or Recreation). While in the program, students complete professional certification(s) within their specialization as part of their program requirements. Students are provided with a mix of course content and practical field experiences. Students may be required to participate in courses and/or field experiences at both the UCF Orlando campus and the UCF South Lake (Clermont) Campus sites. The capstone activities of the program include two Practicums with high-quality program partners that provide invaluable hands-on knowledge and experiences in the student’s chosen field.

Admission Requirements
- Complete the University General Education Requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university; or the AS degree from the affiliated program at Lake Sumter Community College.
- Have a minimum 2.0 overall GPA.
- Meet the University CLAS requirement.
- Complete program prerequisite courses prior to admission to the major and upper level courses.

Degree Requirements
- Students should consult with an advisor on a regular basis. The courses designated in 1. (General Education), 2. (Sport and Fitness Lower Division), and 3. (Lower Division Electives) should be completed prior to admission to the major and upper division courses.
- 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-” (1.75) in each required course and maintain an overall GPA of at least a 2.0.
UCF Degree Programs

Prior to participation in Sport and Fitness Practicum I and Practicum II listed below, students must have achieved admission into one of the areas of specialization listed and described below.

Students must meet with their advisor prior to enrollment in Sport and Fitness Practicum I and Practicum II to complete departmental approval and approval process of the organization with which they will be working.

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
   Preferred
   SPC 1968 Fundamentals of Oral Communication 3 hrs
   B: Cultural & Historical Foundations (9 hrs)
   Prefer
   AMH 2010 U.S. History: 1492-1877 3 hrs
   Prefer
   AMH 2020 U.S. History: 1877-Present 3 hrs
   Elective from GEP section B.2 3 hrs
   C: Mathematical Foundations (6 hrs)
   Prefer
   MGF 1106 Finite Mathematics 3 hrs
   Select 1:
   Prefer
   STA 1060C Basic Statistics Using Excel 3 hrs
   or
   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
   BSC 2010C Biology I 4 hrs
   Prefer
   PSC 1121 Physical Science 3 hrs
   2. Common Program Prerequisites (CPP) (0 hrs)
   None
   3. Core Requirements: Basic Level (38 hrs)
   Sport and Fitness Pre-requisite Courses 3 hrs
   PET 3137 Concepts & Practices in Sport and Fitness
   Sport and Fitness Co-requisite Courses 7 hrs
   PET 2622C Human Injuries and
   ZOO 3736C Exercise Physiology Anatomy 4 hrs
   Lower Division Electives 13 hrs
   Students may select other electives but are advised to take the following courses to improve their preparation for their specialization. (Choose courses with prefixes: PEL, PEM, PEO, PET, DAE, HFT, EEX, EDF, EDG, HSC, HUN, CHM)
   Sport and Fitness Core 15 hrs
   PET 4312 Biomechanics 3 hrs
   PET 4401 Administration and Evaluation in Sport and Fitness 3 hrs
   PET 4550 Fitness Assessment 3 hrs
   SPM 3904 Fiscal and Facilities: Issues in Sport and Fitness 3 hrs
   SPM 4723 Legal Issues in Sport and Fitness 3 hrs
   4. Core Requirements: Advanced Level (27 hrs)
   Select one Specialization and Electives- approved by advisor
   Students must complete three certifications approved by advisor prior to graduation (these certifications will be determined in PET 3137-Concepts and Practices in Sport and Fitness course).
   A. Coaching Specialization 27 hrs
   PET 3361 Nutrition for Sport and Fitness 3 hrs
   PET 3768 Group Exercise Instruction 3 hrs
   PET 4083 Personal Training Methods 3 hrs
   PET 4215 Motivational Aspects of Athletic Performance 3 hrs
   PET 4351C Applied Exercise and Human Physiology 3 hrs
   SPM 3415 Public Relations in Sport and Fitness 3 hrs
   Select 1:
   PET 3125 Fitness and Weight Management or 3 hrs
   PET 3771 Strength and Conditioning Concepts 3 hrs
   Select six hours of electives (as approved by Advisor) 6 hrs
   B. Fitness Training Specialization 27 hrs
   PET 3361 Nutrition for Sport and Fitness 3 hrs
   PET 3768 Group Exercise Instruction 3 hrs
   PET 4083 Personal Training Methods 3 hrs
   PET 4215 Motivational Aspects of Athletic Performance 3 hrs
   PET 4351C Applied Exercise and Human Physiology 3 hrs
   SPM 3415 Public Relations in Sport and Fitness 3 hrs
   Select 1:
   PET 3125 Fitness and Weight Management or 3 hrs
   PET 3771 Strength and Conditioning Concepts 3 hrs
   Select six hours of electives (as approved by Advisor) 6 hrs
   C. Children's Physical Activity & Movement 27 hrs
   Complete the following required courses and complete one group.
   DA 3370 Dance and Rhythms 3 hrs
   PET 4625 Human Injuries: Mechanisms & Prevention 3 hrs
   PET 4050C Motor Development and Learning 3 hrs
   PET 4710 Methods for Physical Activity for Children and Adolescents 3 hrs
   1. Education: School-Age Focus 9 hrs
   Note: Students must enroll in Education minor
   EDF 4467 Learning Theory and Assessment and 3 hrs
   EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools and 3 hrs
   EDG 4410 Teaching Strategies and Classroom Management 3 hrs
   Select 1:
   RED 4043 Content Reading in Kindergarten through Grade 12 or 3 hrs
   TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs
   Select 2:
   PEO 2624 Coaching Basketball or 3 hrs
   PEO 3324 Coaching Volleyball or 3 hrs
   PEO 3644 Coaching Football 3 hrs
   Group 2-Coaching Children Focus 6 hrs
   PET 3765 Coaching Theory and 3 hrs
   PET 4763 Coaching Methods And Principles 3 hrs
   Select 2:
   PEO 2624 Coaching Basketball or 3 hrs
   PEO 3324 Coaching Volleyball or 3 hrs
   PEO 3644 Coaching Football 3 hrs
   PET 4215 Motivational Aspects of Athletic Performance or 3 hrs
   SPM 3204 Sports and Ethics or 3 hrs
   SPM 3415 Public Relations in Sport and Fitness 3 hrs
   Group 3-Children’s Fitness Focus 15 hrs
   PET 3361 Nutrition for Sport and Fitness and 3 hrs
   PET 3771 Strength and Conditioning Concepts and 3 hrs
   PET 4215 Motivational Aspects of Athletic Performance and 3 hrs
   SPM 3415 Public Relations in Sport and Fitness and 3 hrs
   PET 3939 Group Exercise Instruction 3 hrs
   Group 4- Early Childhood Development Focus 12 hrs
   EEC 3700 Social and Emotional Development of Young Children and 3 hrs
   EEC 4303 Planning Creative Activities in Early Childhood Education and 3 hrs
   EEC 4604 Classroom Management and Guidance of Young Children and 3 hrs
   EEC 4661 Early Childhood Education Theory and Practice 3 hrs
   D. Physical Human Performance Specialization 27 hrs
   PET 3361 Nutrition for Sport and Fitness 3 hrs
   PET 3768 Group Exercise Instruction 3 hrs
   PET 4083 Personal Training Methods 3 hrs
   PET 4215 Motivational Aspects of Athletic Performance 3 hrs
   PET 4351C Applied Exercise and Human Physiology 3 hrs
   PET 4625 Human Injuries: Mechanisms & Prevention 3 hrs
   Select nine hours of electives (as approved by Advisor) 9 hrs
F. Recreational Specialization  27 hrs
APK 3132  Triathlon Training and Performance  3 hrs
PET 3765  Coaching Theory  3 hrs
PET 3820  Teaching Sports Skills I  3 hrs
PET 4002  Outdoor and Leisure Activities  3 hrs
SPM 3130  Aquatic Management  3 hrs
SPM 3204  Sports and Ethics  3 hrs
SPM 3415  Public Relations in Sport and Fitness  3 hrs
Select six hours of electives (as approved by Advisor)  6 hrs

5. Restricted Electives  (18 hrs)
Sport and Fitness Practica  
During the final year of the program, students will complete Practicum requirements with a Sport or Fitness organization. These experiences will provide the student with actual professional experiences and practical hands-on knowledge of the career in which they have chosen to work. The design of Practicum I will be that of an observational and analytical role. During Practicum II, the student will be given responsibilities and assignments through the organization in which they have been placed and will carry an active role in the operation of the organization. In both Practicum I and Practicum II, the student will be working directly with a Placement Coordinator in the organization and their University Supervisor. The University Supervisor will maintain periodic contact with the Placement Coordinator to check performance status. The Sport and Fitness program has developed tremendous opportunities through associations with partners in the Clermont and greater Orlando areas. Students will not be limited to these organizations. Students will have the option to arrange their own practicum experience if they so choose. In either case, before enrolling in either Practicum I or Practicum II, students must meet with their advisor to provide organization contact information and gain Practicum Placement Approval. The students will be instructed that they will be representing not only themselves while on site during their Practicum experiences, but also the University of Central Florida and the Sport and Fitness Program. Professionalism in manner, dress and job performance 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 University 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 will be developed. If the problems persist and the situation warrants, the students may be removed from their Practicum experience. 
PET 4925  Sport and Fitness Practicum I  6 hrs
PET 4926  Sport and Fitness Practicum II  12 hrs

6. Capstone Requirements  
None

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.)

Graduation  
None

8. Electives  
None

9. Additional Requirements  
None

10. Required Minors  
None

11. Departmental Exit Requirements
■ A minimum overall GPA of 2.5.
■ Complete three Specialization Certifications.
■ Participation in event operations of a minimum of one major sport and fitness event.
■ Successful completion of 18 hours of Practicum Experience.

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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required  120

Honors In Major  
None

Related Programs  
None

Certificates  
None

Related Minors  
None

Advising Notes  
None

Transfer Notes  
■ Students who transfer from another institution may be permitted to take the prerequisite course, PET 3137-Concepts and Practices, concurrently with the remaining core classes in their first term of enrollment in the Sport and Fitness program

Acceptable Substitutes for Transfer Courses  
■ BSC 2093C and PET 2622C may be taken at a community college to meet UCF Sport and Fitness co-requisite requirements. BSC 2093C may substitute for ZOO 3736C if taken at a community college.

Plan of Study

Freshman Year - Fall  12 hrs
ENC 1101  Composition I  3 hrs
PSC 1121  Physical Science  3 hrs
PSY 2012  General Psychology  3 hrs
Elective  3 hrs

Freshman Year - Spring  16 hrs
BSC 2010C  Biology I  4 hrs
ENC 1102  Composition II  3 hrs
MGF 1106  Finite Mathematics  3 hrs
POS 2041  American National Government  3 hrs
SPC 1608  Fundamentals of Oral Communication  3 hrs

Sophomore Year - Fall  14 hrs
ZOO 3736C  Exercise Physiology Anatomy  4 hrs
Select 1:  3 hrs
CGS 1060C  Introduction to Computer Science or STA 1060C  Basic Statistics Using Microsoft Excel or STA 2014C  Principles of Statistics  3 hrs

Sophomore Year - Spring  15 hrs
PET 2622C  Human Injuries  3 hrs
PET 3137  Concepts & Practices in Sport and Fitness  3 hrs
GEP B.1  3 hrs
Elective  3 hrs
Elective  3 hrs
UCF Degree Programs

Sophomore Year - Summer  6 hrs
GEP B.2  3 hrs
Elective  3 hrs

Junior Year - Fall  12 hrs
PET 4312  Biomechanics  3 hrs
PET 4550  Fitness Assessment  3 hrs
SPM 4723  Legal Issues in Sport and Fitness  3 hrs
Specialization course  3 hrs

Junior Year - Spring  15 hrs
PET 4401  Administration and Evaluation in Sport and Fitness  3 hrs
SPM 3504  Fiscal and Facilities: Issues in Sport and Fitness  3 hrs
Specialization course  3 hrs
Specialization course  3 hrs
Specialization course  3 hrs

Junior Year - Summer  3 hrs
Specialization course  3 hrs

Senior Year - Fall  15 hrs
PET 4925  Sport and Fitness Practicum I  6 hrs
Specialization course  3 hrs
Specialization course  3 hrs
Specialization course  3 hrs

Senior Year - Spring  12 hrs
PET 4926  Sport and Fitness Practicum II  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

Statistics (B.S.)
College of Sciences,
Department of Statistics,
Computer Center II, Room: 212
http://statistics.cos.ucf.edu/
E-mail: 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.
- A minimum 2.0 average is required in all computer science and mathematics courses that count toward a statistics major.
- Co-op or internship credit cannot be used in this major.
- Students should consult with a departmental advisor.
- 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 Course Numbering must be taken from, or approved by the Statistics Department at UCF.
  STA 2023  Statistical Methods I  3 hrs
  STA 3032  Probability and Statistics for Engineers  3 hrs

1. UCF General Education Program (GEP)  (39 hrs)
- 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 2311  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  AN 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  (8 hrs)
- Life Science:  4 hrs
  Required  BSC 2010C  Biology I  4 hrs

Physical Science:
- Required  PHY 2053C  College Physics I  4 hrs
  or  Required  CHM 2040C  Chemistry Fundamentals IA and  3 hrs
  or  Required  CHM 2041C  Chemistry Fundamentals IB  3 hrs
  or  Required  CHM 2045C  Chemistry Fundamentals I  4 hrs

2. Common Program Prerequisites (CPP)  (15 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information, including some possible substitutes.
  BSC 2010C  Biology I  GEP/CPP
  COP 3223  Introduction to Programming with C  3 hrs
  MAC 2311  Calculus with Analytic Geometry I  GEP
  MAC 2312  Calculus with Analytic Geometry II  4 hrs
  MAC 2313  Calculus with Analytic Geometry III  4 hrs
  STA 2023  Statistical Methods I  GEP

Select one of these courses designed for science majors:  4 hrs
- Required  BSC 2011C  Biology II or  4 hrs
- Required  CHM 2045C  Chemistry Fundamentals I or  GEP
- Required  PHY 2053C  College Physics I  GEP

3. Core Requirements: Basic Level  (0 hrs)
- Required  MAC 2311  Calculus with Analytic Geometry I  GEP/CPP
  MAC 2312  Calculus with Analytic Geometry II  GEP/CPP
  MAC 2313  Calculus with Analytic Geometry III  CPP
  STA 2023  Statistical Methods I  GEP/CPP

Select a second science course for majors:  0 hr
- Required  CHM 2045C  Chemistry Fundamentals I or  GEP/CPP
- Required  PHY 2053C  College Physics I  GEP/CPP

4. Core Requirements: Advanced Level  (43 hrs)
- Required  COP 3502C  Computer Science I  3 hrs
- Required  COT 4500  Numerical Calculus  3 hrs
- Required  ENC 3241  Writing for the Technical Professional  3 hrs
- Required  STA 4102  Computer Processing of Statistical Data  3 hrs
- Required  STA 4163  Statistical Methods II  3 hrs
- Required  STA 4164  Statistical Methods III  3 hrs
- Required  STA 4321  Statistical Theory I  3 hrs
- Required  STA 4322  Statistical Theory II  3 hrs

Select 1:  4 hrs
- Required  MAS 3105  Matrix and Linear Algebra or  4 hrs
- Required  MAS 3106  Linear Algebra  4 hrs

Select 1:  3 hrs
- Required  COT 3100C  Introduction to Discrete Structures or  3 hrs
- Required  MHF 3302  Logic and Proof in Mathematics  3 hrs

http://statistics.cos.ucf.edu/
Select 4:  
STA 3096  Statistical Graphics or  
STA 4173  Biostatistical Methods or  
STA 4183  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 4664  Statistical Quality Control or  
STA 4852  Applied Time Series  

5. Restricted Electives (6 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  
  - MAC 2253  Applied Calculus I  
  - MAC 2254  Applied Calculus II  
  - MHF 4404  History of Mathematics  
- 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  
  - ACG 2071  Principles of Managerial Accounting  
  - ECO 2023  Principles of Microeconomics  
  - FIN 3403C  Business Finance  
  - MAC 2254  Applied Calculus II  
  - PIN 3403C  Business Finance  
- All courses  

9. Additional Requirements  
- None  

10. Required Minors  
- None  

11. Departmental Exit Requirements  
- Earn a grade of "C" (2.0) or better in each STA course.  
- Take SOA Exam P (Probability) and report the score to the department.  
- Before applying to graduate, the CLAS must be completely satisfied.  
- Computer Competency met by the following:  
  - STA 4102  Computer Processing of Statistical Data  
  
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, the CLAS and nine hours of Summer credit (if applicable)  

Total Semester Hours Required  
- 120  

Honors in Major  
- None  

Related Programs  
- Mathematics - Applied Track  
- Mathematics Education  

Certificates  
- None  

Related Minors  
- Mathematics  
- Statistics  

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 taken at community colleges 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 laboratory BSC, CHM, or PHY course will satisfy the CPP. However the listed is a program 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://chemplacement.sdes.ucf.edu  
- Prior to enrolling in Math, take Math Placement Test ~ http://mathplacement.sdes.ucf.edu/  

Freshman Year - Fall  

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<tr>
<td>STA 2023</td>
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<tr>
<td>ENC 1101</td>
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<td>MAC 2311</td>
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<td>STA 2023</td>
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Freshman Year - Spring  

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<tr>
<td>ENC 1102</td>
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<tr>
<td>MAC 2312</td>
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Select one course:  

<table>
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<td>CHM 2045C</td>
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<tr>
<td>PHY 2053C</td>
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Sophomore Year - Fall  

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<th>Core Course</th>
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<tr>
<td>ECO 2013</td>
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<tr>
<td>MAC 2313</td>
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<td>STA 4163</td>
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Sophomore Year - Spring  

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<td>COP 3223</td>
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<tr>
<td>STA 4164</td>
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Junior Year - Fall  

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<tr>
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University of Central Florida
Junior Year - Spring 16 hrs
- Free Elective 3 hrs
- Core Course 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
- STA 4322 Statistical Theory II 3 hrs

Senior Year - Fall 15 hrs
- Elective / Minor 3 hrs
- Core Course 3 hrs
- COT 4500 Numerical Calculus 3 hrs
- ENC 3241 Writing for the Technical Professional 3 hrs
- STA 4102 Computer Processing of Statistical Data 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.oes.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: 
- Full-Time Student: 

Technical Education and Industry Training (B.S.)
College of Education
Department of Teaching and Learning Principles,
Education Building, Room: 209
http://education.ucf.edu/teched/
Dr. Jo Ann M. Whiteman, ED 115D, jwhitema@mail.ucf.edu
Phone: 407-823-2848

This program offers upper division courses via the World Wide Web. Students must complete all University-wide graduation requirements (general education, foreign language, CLAS, 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 community college or state university)
- Have a minimum 2.5 overall GPA
- Meet the University CLAS or CLAS alternative criteria
- 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 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.

UCF Degree Programs
## UCF Degree Programs

### Theatre (B.F.A.)

**College of Arts and Humanities**  
**Department of Theatre, UTC, Room: 180**  
http://www.theatre.cah.ucf.edu/

Dr. Be Boyd, bboymd@mail.ucf.edu, 407-823-2862  
Dr. Bert Scott, hscott@mail.ucf.edu, 407-823-2862  
Phone: 407-823-2862

The Bachelor of Fine Arts Degree is offered for students who, upon graduation, plan to pursue a specialized career in professional theatre. It provides the student with a very structured and intensive career preparation in either Acting, Stage Management, or Design & Technology. The BFA is also 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 generally impossible. BFA standards are high, both for admission and for continuation in the program. Casting, crew, and design assignments are regulated to serve the artistic growth of students coordinating production experience with classroom exploration.

### Admission Requirements
- Entrance into most theatre classes is restricted to majors. Exceptions must be approved by the Undergraduate Coordinator.

## Freshman Year - Fall

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| Cultural-Historical Foundations Course                               | 3 hrs |
| Social Foundations Course                                            | 3 hrs |
| **Total Semester Hours Required**                                     | 15    |

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### Certificates

- None

### Related Minors

- None

### Advising Notes

- None

### Transfer Notes

- None

### Acceptable Substitutes for Transfer Courses

- None

### Plan of Study (120 hrs)

- It is highly recommended that students seeking State Certification pass the GKT. See advisor for further details.

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UCF Degree Programs

- The departmental faculty evaluates students desiring to become BFA majors via an interview and either audition or portfolio review as appropriate to the specialization. For complete information, visit the audition site online at http://www.theatre.ucf.edu.
- An Acting candidate must be interviewed and perform two monologues of contrasting styles limited to a combined time of 3 minutes. See http://www.theatre.ucf.edu for details and to schedule an appointment.
- Design & Technology and Stage Management tracks require an interview and portfolio review. The portfolio need not be expensive and should contain no more than fifteen examples of the student’s best work representing a variety of mediums including theatre work, drawing, painting, or other related projects. Three-dimensional pieces should be submitted in photo format. Stage Management majors should prepare a prompt book for presentation at their interview. See http://www.theatre.ucf.edu.
- All Acting students must submit a resume, black & white or color head shot, three letters of recommendation, and transcripts of previous college work at the time of audition.
- All Design & Technology and Stage Management students must submit a resume, personal photo (formal head shot not required), three letters of recommendation, and transcripts of previous college work at the time of interview.
- 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.
- Departmental scholarship applications are due by April 15. Scholarship applications for incoming students are available at the audition/interview. Scholarship decisions are usually finalized in August.
- The BFA plan of study requires a fall start for proper course sequencing. Students are not accepted to begin 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 adopt the most current internship manual upon registration for their internship. Internships are subject to departmental approval and may not be fulfilled through participating on a UCF Conservatory Theatre Production.
- Students must maintain a minimum “B” (3.0) overall Theatre GPA to continue in the major.
- Theatre grades of less than “C” (2.0) will not be counted in the major or toward total theatre credits. Earning a grade less than “C” (2.0) in any theatre course will cause the student to be placed on departmental probation for one semester which causes him/her to be ineligible for casting or other department production positions. If grades improve probation is lifted. If grades do not improve the student may be released from the program. Semesters of poor performance need not be sequential for possible release from program. Continuation in the BFA program requires a positive BFA Review every semester. More than one negative review at any time in the program can lead to removal from the program.
- Co-op credit cannot be used in this major.
- Students must consult with a departmental advisor before registering each semester. Students who do not consult with their department 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 department advisor may lead to release from the program.
- Departmental Residency Requirement consists of 60 semester hours of courses taken from the UCF Theatre Department.
- Prior to graduation, all BFA acting majors (including transfers) must participate in at least 4 productions in addition to their Technical Theatre Production Lab. At least one participation credit must be an acting role, one must be a run crew, one must be a front of house assignment, and the final one can be chosen by the student.
- Prior to graduation, all BFA Design & Technology and Stage Management majors (including transfers) must participate in at least 4 productions in addition to their Stagecraft I and II Labs. At least two participation credits must be in an advanced production position. The other two credits can be a combination of shop assignments, run crew, front of house, or department head. Stage Management majors can use performance assignments for participation assignments.
- All BFA acting majors are required to audition for all Fall and Spring productions and must accept the roles assigned.
- Due to the conservatory nature, the BFA demands a closely integrated four-year curriculum. Although the BFA program is not designed for transfer students, transfer students may audition and be admitted, but they should consult with the Theatre Department’s 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 Public University/ Community College System.
- Design & Technology Students are required to take at least two level one design or technical direction elective courses following the completion of Scenography. Design & Technology Students are also required to take at least one level two design or technical direction elective course.
- All BFA Theatre majors who participate in production work 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. Students may also 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.
- Students must follow the most recent department student handbooks which are available on the department web site at www.theatre.ucf.edu.
- 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.
- Design & Technology Students are required to take ARH 2051 as part of their GEP and are strongly encouraged to take ARH 2050 as an elective as early in their academic career as possible. Transfer students who have not completed ARH 2051 must complete the course at UCF.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)
1 Required ARH 2051 History of Western Art II 3 hrs
Required THE 2020 Survey of Theatre for Majors 3 hrs

C: Mathematical Foundations (6 hrs)
1 Required MGF 1106 Finite Mathematics 3 hrs
Required STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

D: Social Foundations (6 hrs)
1 (May substitute for a higher level math)
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
2. THE 2304 Script Analysis 3 hrs
1. TPP 2290L Theatre Participation-Production I 1 hr
2. TPP 3310C Directing for Theatre I 3 hrs

Select 1: 3 hrs
2. TPA 2101 Fundamentals of Acting or
3. TPA 2110C Acting I - Introduction 3 hrs

Select 1: 3 hrs
2. TPA 2211 Stagecraft II or
3. TPA 2170C Acting II - The Actor Prepares 3 hrs

Select one of the following sequences of courses:
TPA 2210 Stagecraft I 3 hrs

or
TPA 2201 Technical Theatre Production 2 hrs
TPA 2201L Technical Theatre Production Lab 1 hr

Theatre Elective (THE, TPP, TPA Prefix) 3 hrs

1. See Transfer Notes for possible substitutes.
2. (Design & Tech and Stage Management)
3. (Acting specialization)

3. Core Requirements: Basic Level (9 hrs)
THE 2081C Introduction to UCF Theatre 0 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
THE 4954 Theatre Exit Critique 0 hrs

4. Core Requirements: Advanced Level (64 hrs)

Specialization: select one area

Acting Specialization 61 hrs
DAA 2200C Ballet I and 2 hrs
TPA 2248C Makeup Techniques and 2 hrs
TPP 2190L Theatre Participation-Performance I and 1 hr
TPP 2710C Voice Production I and 2 hrs
TPP 3172C Acting III - Building the Character and 3 hrs
TPP 3257C Musical Theatre Voice I and 2 hrs
TPP 3258C Musical Theatre Voice II and 2 hrs
TPP 3510C Movement for the Actor I and 2 hrs
TPP 3513C Movement for the Actor II and 2 hrs
TPP 3711C Voice Production II and 2 hrs
TPP 3712C Voice Production III and 2 hrs
TPP 4140C Acting IV - Creating the Role and 3 hrs
TPP 4142C Acting Verse and 3 hrs
TPP 4221 Auditioning and 3 hrs
TPP 4223C Theatre Careers for Performance and 3 hrs
TPP 4265C Camera Acting and 3 hrs
TPP 4512C Stage Combat and 2 hrs
TPP 4531C Period Movement and 2 hrs
TPP 4730C Dialects and 2 hrs
TPP 4940L Theatre Internship and 6 hrs
Restricted Electives (see list of courses) 12 hrs

Select 1: 2 hrs
1. DAA 2100C Modern Dance I or
2. DAA 2570C Jazz Dance I

Select 1: 1 hr
1. THE 4093L Theatre Participation-Management II or
2. TPA 4293L Theatre Participation-Production II or
3. TPA 4193L Theatre Participation-Performance II

Stage Management Specialization 60 hrs
THE 4284 Period Costume, Architecture, and Decor I and 3 hrs
THE 4285 Period Costume, Architecture, and Decor II and 3 hrs
TPA 2000C Theatre Design Basics and 3 hrs
TPA 2010C Scenography and 3 hrs
TPA 2210L Stagecraft I Lab and 1 hr
TPA 2211L Stagecraft II Lab and 1 hr
TPA 2220C Stage Electronics and 3 hrs
TPA 2600 Stage Management Basics and 3 hrs
TPA 3195L Summer Theatre Studio/Tech/Design I and 3 hrs
TPA 3197L Summer Theatre Studio/Tech/Design II and 3 hrs
TPA 3601 Stage Management and 3 hrs
TPA 4250C CADD for Theatre and 2 hrs
TPA 4293L Theatre Participation-Production II and 1 hr
TPA 4400 Theatre Management and 3 hrs
TPA 4401C Theatre Careers in Production and 3 hrs
TPA 4602 Advanced Stage Management and 3 hrs
TPP 3103 Intermediate Acting and 3 hrs
TPP 4940L Theatre Internship and 6 hrs
Restricted Electives (see list of courses) and 7 hrs
TPA 3060C Scene Design for Theatre I or TPA 3040C Costume Design for Theatre I

Select 1: 1 hr
1. TPA 3211C Lighting Design for Theatre I or
2. TPA 3260C Sound Design for Theatre I

Design & Technology Specialization 63 hrs
ARH 2051 History of Western Art I and 3 hrs
1. THE 2084 Period Costume, Architecture, and Decor I and 3 hrs
THE 4285 Period Costume, Architecture, and Decor II and 3 hrs
TPA 2000C Theatre Design Basics and 3 hrs
TPA 2010C Scenography and 3 hrs
TPA 2071C Theatre Rendering and 3 hrs
TPA 2210L Stagecraft I Lab and 1 hr
TPA 2211L Stagecraft II Lab and 1 hr
TPA 2220C Stage Electronics and 3 hrs
TPA 2230C Costume Construction and 3 hrs
TPA 2600 Stage Management Basics and 3 hrs
TPA 3077C Scene Painting and 3 hrs
TPA 3195L Summer Theatre Studio/Tech/Design I and 3 hrs
TPA 3197L Summer Theatre Studio/Tech/Design II and 3 hrs
TPA 3601 Stage Management and 3 hrs
TPA 4066C Advanced Scenography and 2 hrs
TPA 4250C CADD for Theatre and 2 hrs
TPA 4251C Advanced CADD for Theatre and 2 hrs
TPA 4293L Theatre Participation-Production II and 1 hr
TPA 4401C Theatre Careers in Production and 3 hrs
TPP 4940L Theatre Internship and 6 hrs
Design Electives (see list of courses) and 9 hrs

1. (1 credit course, must be taken twice)

5. Restricted Electives (0 hrs)
- (except where required for a specialization - see specifications for credit hours)

Choose from the following:
1. ARH 2050 History of Western Art I 3 hrs
2. DAA 3905 Directed Study 1 hr
1. DAA 4912 Directed Independent Research 1 hr
1. THE 2025 Introduction to Theatrical Design 3 hrs
THE 2250 Sex, Drugs, & the Rock and Roll Musical 3 hrs
THE 3240 Musical Theatre Survey 3 hrs
THE 3383 Taboo Theatre: Sex & Violence on Stage 3 hrs
1. THE 3905 Directed Independent Study 1 hr
1. THE 4093L Theatre Participation-Management II 1 hr
THE 4212 Global Theatre 3 hrs
THE 4284 Period Costume, Architecture, and Decor I 3 hrs
THE 4285 Period Costume, Architecture, and Decor II 3 hrs

UCF Degree Programs

UNIVERSITY OF CENTRAL FLORIDA
UCF Degree Programs

THE 4423 Women in Theatre 3 hrs
THE 4543 Theatre for Social Change 3 hrs
THE 4912 Directed Independent Research 1 hr
THE 5307 Contemporary Theatre Practice 3 hrs
TPA 2248C Makeup Techniques 2 hrs
TPA 2600 Stage Management Basics 3 hrs
TPA 3040C Costume Design for Theatre I 3 hrs
TPA 3060C Scenic Design for Theatre I 3 hrs
TPA 3077C Scene Painting 3 hrs
TPA 3195L Summer Theatre Studio/Tech/Design I 3 hrs
TPA 3197L Summer Theatre Studio/Tech/Design II 3 hrs
TPA 3221C Lighting Design for Theatre I 3 hrs
TPA 3260C Sound Design for Theatre I 3 hrs
TPA 3283C Topics in Technical Theatre 2 hrs
TPA 3360C Stage Management 3 hrs
TPA 4041C Costume Design for Theatre II 3 hrs
TPA 4061C Scenic Design for Theatre II 3 hrs
TPA 4224C Lighting Design for Theatre II 3 hrs
TPA 4254C Sound Design for Theatre II 3 hrs
TPA 4293L Theatre Participation-Production II 1 hr
TPA 4384C Advanced Topics in Technical Theatre 3 hrs
TPA 4400 Theatre Management 3 hrs
TPP 3197L Summer Theatre Studio/Tech/Design I 3 hrs
TPP 3952L Summer Studio Performance 3 hrs
TPP 4143C Acting Styles 3 hrs
TPP 4193L Theatre Participation-Performance II 1 hr
TPP 4243C Circus Arts 2 hrs
TPP 4311C Advanced Directing for Theatre 3 hrs
Honors in the Major Directed Readings and Thesis 3 hrs

1 Other THE, TPA, TPP, DAA, or DAN courses taught by and approved by the department Undergraduate Coordinator in advance. Courses with these prefixes not taught by the Department of Theatre cannot be used in this program.

Design Electives
- (for Design and Technology Specialization)
- Select three
  TPA 3040C Costume Design for Theatre I 3 hrs
  TPA 3060C Scenic Design for Theatre I 3 hrs
  TPA 3221C Lighting Design for Theatre I 3 hrs
  TPA 3260C Sound Design for Theatre I 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
- (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 “B” Theatre GPA (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.
- Minimum of 60 theatre credits must be completed in residency at UCF
- Computer Competency met by STA 1060C, 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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 129

Honors in Major
- None

Related Programs
- Art
- Film
- Music
- Theatre Studies

Certificates
- None

Related Minors
- Art - Studio
- Dance
- Film - Cinema Studies
- Music
- Theatre

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges 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:
  1 THE 2304 Survey of Theatre for Majors 3 hrs
  may be substituted with:
  THE 2301 Script Analysis 3 hrs
  may be substituted with:
  TPA 2201 Technical Theatre Production 2 hrs
  may be substituted with:
  TPA 2210 Stagecraft I 3 hrs
  may be substituted with:
  TPA 3310C Directing for Theatre I 3 hrs
  may be substituted with:
  TPP 2300

1 may use any introductory course. However, THE 2304 is a prerequisite for all Theatre courses and will still need to be taken.

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

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term
The Bachelor of Fine Arts Track in Musical Theatre serves those students interested in a career on the musical theatre stage. It is offered for students who, upon graduation, plan to pursue a specialized career in professional theatre.

Because of its geographic location, UCF is a top choice for students interested in musical theatre. Walt Disney World, Universal Studios, and the budding expansion of the arts in Central Florida make it necessary for students to receive advanced studies in acting, musical theatre voice, and dance. Work within the BFA program requires energy and dedication; therefore, other part-time study or outside employment is generally impossible. BFA standards are high, both for admission and for continuation in the program. Production assignments are regulated to serve the artistic growth of students, coordinating production experience with classroom exploration.

Admission Requirements

- Entrance into most theatre classes is restricted to majors. Exceptions must be approved by the Undergraduate Coordinator.
- The departmental faculty evaluates students desiring to become majors via an interview and audition. For complete information, contact the Department of Theatre or visit the audition site online at http://www.theatre.ucf.edu.
- A candidate must present an audition consisting of one monologue and two musical selections. The entire audition should last no more than three minutes. An accompanist will be provided. Recorded accompaniment is not accepted. Candidates must also participate in a dance audition and complete a Music Skills Evaluation Survey. Visit http://www.theatre.ucf.edu for details.
- All students must submit a resume, black & white or color head shot, three letters of recommendation, and transcripts of previous college work at the time of interview.
- All BFA musical theatre 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.
- Departmental scholarship applications are due by April 15. Scholarship applications for incoming students are available at the audition/interview. Scholarship decisions are usually finalized in August.
- The Musical Theatre 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 adopt the most current internship manual upon registration for their internship. Internships are subject to departmental approval and may not be fulfilled through participating on a UCF Conservatory Theatre Production.
- Students must maintain a minimum “B” (3.0) overall Theatre GPA to continue in the major.
- Theatre grades of less than “C” (2.0) will not be counted in the major or toward total theatre credits. Earning a grade less than “C” (2.0) in any theatre course will cause the student to be placed on departmental probation for one semester which causes him/her to be ineligible for casting or other department production positions. If grades improve probation is lifted. If grades do not improve the student may be released from the program. Semesters of poor performance need not be sequential for possible release from program.

- Continuation in the BFA program requires a positive annual BFA Review every semester. More than one negative review at any time in the program can lead to removal from the program.
- Co-op cannot be used in this major.
- 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 which causes him/her to be ineligible for casting or other production positions. Repeated failure to consult with a department advisor may lead to release from the program.
- Departmental Residency Requirement consists of 60 semester hours of courses taken from the UCF Theatre Department.
- Prior to graduation, all BFA Musical Theatre majors must participate in at least 4 productions in addition to their Technical Theatre Production Lab. At least one participation credit must be an acting role, one must be a run crew, and one must be a front of house position. The fourth assignment may be in any production area.
- All BFA Musical Theatre majors are required to audition for all Fall and Spring productions and must accept the roles assigned.
- 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 Public University/Community College System.
- All BFA Theatre majors who participate in production work must be registered for the appropriate Theatre Participation course in the term in which they are participating. 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. Students may also use additional participation credits as electives.
- Students must follow the most recent department student handbooks which are available on the department web site at http://www.theatre.ucf.edu.
- 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.
- 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.

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 1.B.1 list 3 hrs
Select one course from 1.B.1 or 1.B.2 list 3 hrs

C: Mathematical Foundations (6 hrs)

1 Prefer MGF 1106 Finite Mathematics 3 hrs
1 Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

(May substitute a higher math)

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

http://www.theatre.ucf.edu/
## UCF Degree Programs

### 2. Common Program Prerequisites (CPP)

- **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>1 THE 2020</td>
<td>Survey of Theatre for Majors</td>
<td>GEP</td>
</tr>
<tr>
<td>1 THE 2304</td>
<td>Musical Theatre Voice IV</td>
<td>2 hrs</td>
</tr>
<tr>
<td>1 TPA 201L</td>
<td>Technical Theatre Production</td>
<td>2 hrs</td>
</tr>
<tr>
<td>1 TPP 2200L</td>
<td>Technical Theatre Production Lab</td>
<td>1 hr</td>
</tr>
<tr>
<td>1 TPP 2290L</td>
<td>Theatre Participation-Production I</td>
<td>1 hr</td>
</tr>
<tr>
<td>TPP 2110C</td>
<td>Acting I - Introduction</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPP 2170C</td>
<td>Acting II - The Actor Prepares</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 TPP 3101C</td>
<td>Directing for Theatre</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Theatre Elective (THE, TPP, TPA prefix)</td>
<td>3 hrs</td>
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</tr>
</tbody>
</table>

*See Transfer Notes for possible substitutes.*

### 3. Core Requirements: Basic Level

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>DAA 2201C</td>
<td>Ballet I</td>
<td>2 hrs</td>
</tr>
<tr>
<td>DAA 2203C</td>
<td>Ballet II</td>
<td>2 hrs</td>
</tr>
<tr>
<td>DAA 2520C</td>
<td>Tap Dance I</td>
<td>2 hrs</td>
</tr>
<tr>
<td>DAA 2570C</td>
<td>Jazz Dance I</td>
<td>2 hrs</td>
</tr>
<tr>
<td>DAA 2571C</td>
<td>Jazz Dance II</td>
<td>2 hrs</td>
</tr>
<tr>
<td>MUT 1121</td>
<td>Music Theory and Musicianship I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MUT 1122</td>
<td>Music Theory and Musicianship II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>THE 2081C</td>
<td>Introduction to UCF Theatre</td>
<td>0 hrs</td>
</tr>
<tr>
<td>TPA 2248C</td>
<td>Techniques</td>
<td>2 hrs</td>
</tr>
</tbody>
</table>

### 4. Core Requirements: Advanced Level

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>THE 3311</td>
<td>Theatre History and Dramatic Literature I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 3312</td>
<td>Theatre History and Dramatic Literature II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 4244</td>
<td>Musical Theatre History I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 4245</td>
<td>Musical Theatre History II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 4954</td>
<td>Theatre Exit Critique</td>
<td>0 hrs</td>
</tr>
<tr>
<td>TPP 3172C</td>
<td>Acting III - Building the Character</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPP 3250</td>
<td>Musical Theatre Acting I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPP 3252</td>
<td>Musical Theatre Acting II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPP 3257C</td>
<td>Musical Theatre Voice I</td>
<td>2 hrs</td>
</tr>
<tr>
<td>TPP 3258C</td>
<td>Musical Theatre Voice II</td>
<td>2 hrs</td>
</tr>
<tr>
<td>TPP 4140C</td>
<td>Acting IV - Creating the Role</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPP 4223C</td>
<td>Theatre Careers for Performance</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPP 4253C</td>
<td>Musical Theatre Acting III</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPP 4259C</td>
<td>Musical Theatre Voice III</td>
<td>2 hrs</td>
</tr>
<tr>
<td>1 TPP 4746C</td>
<td>Musical Theatre Repertoire</td>
<td>2 hrs</td>
</tr>
<tr>
<td>TPP 4923C</td>
<td>Musical Theatre Voice IV</td>
<td>2 hrs</td>
</tr>
<tr>
<td>TPP 4940L</td>
<td>Theatre Internship</td>
<td>6 hrs</td>
</tr>
</tbody>
</table>

**Select 1:** 2 hrs

- (1 credit course, must be taken twice)
  - THE 4093L | Theatre Participation-Management I or TPP 4293L | 1 hr |
  - TPP 4193L | Theatre Participation-Management II or TPP 4193L | 1 hr |

*(2 hr class must be taken twice)*

### Movement Electives

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>TPP 4512C</td>
<td>Stage Combat</td>
<td>2 hrs</td>
</tr>
<tr>
<td>TPP 4531C</td>
<td>Period Movement</td>
<td>2 hrs</td>
</tr>
</tbody>
</table>

### 5. Restricted Electives

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>DAA 2100C</td>
<td>Modern Dance I</td>
<td>2 hrs</td>
</tr>
<tr>
<td>DAA 2101C</td>
<td>Modern Dance II</td>
<td>2 hrs</td>
</tr>
<tr>
<td>DAA 2238C</td>
<td>World Dance</td>
<td>2 hrs</td>
</tr>
<tr>
<td>DAA 2521C</td>
<td>Tap Dance II</td>
<td>2 hrs</td>
</tr>
<tr>
<td>DAA 3108C</td>
<td>Modern Dance III</td>
<td>2 hrs</td>
</tr>
<tr>
<td>DAA 3208C</td>
<td>Ballet III</td>
<td>2 hrs</td>
</tr>
<tr>
<td>DAA 3524C</td>
<td>Tap Dance III</td>
<td>2 hrs</td>
</tr>
<tr>
<td>DAA 3612</td>
<td>Dance Improvisation/Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DAA 3645</td>
<td>Choreography Practicum</td>
<td>1 hr</td>
</tr>
<tr>
<td>DAA 3684</td>
<td>Dance Performance</td>
<td>1 hr</td>
</tr>
<tr>
<td>DAN 3154</td>
<td>Dance History</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 2250</td>
<td>Sex, Drugs, &amp; the Rock and Roll Musical</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 3331</td>
<td>Theatre History and Dramatic Literature III</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 3383</td>
<td>Taboo Theatre: Sex &amp; Violence on Stage</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 4093L</td>
<td>Theatre Participation-Management II</td>
<td>1 hr</td>
</tr>
<tr>
<td>THE 4121</td>
<td>Global Theatre</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 4230</td>
<td>Cultural Diversity in Theater</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 4284</td>
<td>Period Costume, Architecture, and Decor I</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 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 “B” Theatre GPA (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 1060C 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, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required

- 129

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**Undergraduate Catalog 2010-2011**

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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. Upon graduation, UCF students can choose to pursue further education or enter the job market with a skill set unique to their goals.

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### UCF Degree Programs

#### C: Mathematical Foundations
- **1** Prefer MGF 1106 Finite Mathematics 3 hrs
- **1** Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

1. **1** may substitute a higher level math

#### 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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>THE 2020</td>
<td>Survey of Theatre for Majors</td>
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<tr>
<td>THE 2000L</td>
<td>Theatre Participation-Management I</td>
<td>1 hr</td>
</tr>
<tr>
<td>THE 2304</td>
<td>Script Analysis</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 2201</td>
<td>Technical Theatre Production</td>
<td>2 hrs</td>
</tr>
<tr>
<td>TPA 2201L</td>
<td>Technical Theatre Production Lab</td>
<td>1 hr</td>
</tr>
<tr>
<td>TPA 2290L</td>
<td>Theatre Participation-Production I</td>
<td>1 hr</td>
</tr>
<tr>
<td>TPP 2101</td>
<td>Fundamentals of Acting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPP 2700C</td>
<td>Stage Speech/Voice</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 3310C</td>
<td>Directing for Theatre I</td>
<td>3 hrs</td>
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<tr>
<td>Theatrical Elective (THE, TPP, TPA Prefix)</td>
<td>3 hrs</td>
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</tbody>
</table>

1. See Transfer Notes for possible substitutes

#### 3. Core Requirements: Basic Level
- **(0 hrs)**
- **None**

#### 4. Core Requirements: Advanced Level
- **(10 hrs)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>THE 2081C</td>
<td>Introduction to UCF Theatre</td>
<td>0 hrs</td>
</tr>
<tr>
<td>THE 3311</td>
<td>Theatre History and Dramatic Literature I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 3312</td>
<td>Theatre History and Dramatic Literature II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 3313</td>
<td>Theatre History and Dramatic Literature III</td>
<td>3 hrs</td>
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<tr>
<td>THE 4954</td>
<td>Theatre Exit Critique</td>
<td>0 hrs</td>
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<tr>
<td>Select 1:</td>
<td><strong>1 hr</strong></td>
<td></td>
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<tr>
<td>THE 4093L</td>
<td>Theatre Participation-Management II</td>
<td>1 hr</td>
</tr>
<tr>
<td>TPA 4293L</td>
<td>Theatre Participation-Production II</td>
<td>1 hr</td>
</tr>
<tr>
<td>TPP 4193L</td>
<td>Theatre Participation-Performance II</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

Select 16 hours from the following:

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>THE 2025</td>
<td>Introduction to Theatrical Design</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 2250</td>
<td>Sex, Drugs, &amp; the Rock and Roll Musical</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 3082</td>
<td>Theatre Careers</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 3240</td>
<td>Musical Theatre Survey</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 3383</td>
<td>Taboo Theatre: Sex &amp; Violence on Stage</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 4093L</td>
<td>Theatre Participation-Management II</td>
<td>1 hr</td>
</tr>
<tr>
<td>THE 4212</td>
<td>Global Theatre</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 4230</td>
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</tr>
<tr>
<td>THE 4284</td>
<td>Period Costume, Architecture, and Decor I</td>
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</tr>
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</tr>
<tr>
<td>THE 4423</td>
<td>Women in Theatre</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 4543</td>
<td>Theatre for Social Change</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 4912</td>
<td>Directed Independent Research</td>
<td>1 hr</td>
</tr>
<tr>
<td>THE 5307</td>
<td>Contemporary Theatre Practice</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 2248C</td>
<td>Makeup Techniques</td>
<td>2 hrs</td>
</tr>
<tr>
<td>TPA 2500</td>
<td>Stage Management Basics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 3195L</td>
<td>Summer Theatre Studio/Tech/Design I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 3197L</td>
<td>Summer Theatre Studio/Tech/Design II</td>
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<tr>
<td>TPP 4400</td>
<td>Theatre Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPP 3103</td>
<td>Intermediate Acting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPP 3197L</td>
<td>Summer Theatre/Performance</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPP 3264C</td>
<td>Acting on Camera</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPP 3952L</td>
<td>Summer Studio Performance</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPP 4143C</td>
<td>Acting Styles</td>
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<tr>
<td>TPP 4243C</td>
<td>Circus Arts</td>
<td>2 hrs</td>
</tr>
<tr>
<td>TPA 4011C</td>
<td>Advanced Directing for Theatre</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPP 4512C</td>
<td>Stage Combat</td>
<td>2 hrs</td>
</tr>
</tbody>
</table>

Any DAA or DAN courses taught by the theatre department with departmental approval
Honors in the Major Directed Readings and Thesis (see #1 footnote)

1. Other THE, TPA, or TPP courses as approved by the department requires departmental approval in advance

#### 5. Restricted Electives
- **(16 hrs)**

Select 16 hours from the following:

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1. Other THE, TPA, or TPP courses as approved by the department requires departmental approval in advance

#### 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 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. Students are free to pursue any minor open to them, but are encouraged to participate in the department's Associated Minor program which provides additional career/advising support targeted at specific career paths. Please see the departmental handbook for a more complete description of the program and a list of Associated Minors. Participation in an Associated Minor must be approved after interview with the Area Coordinator of BA Theatre Studies.

#### 11. Departmental Exit Requirements
- Earn a grade of "C" (2.0) or better in each Theatre course.
- Write an Exit Critique of a UCF-affiliated production and pass with a 75% or better score 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 residency at UCF.
- Computer Competency met by the following or Computer Science Course:
  - STA 1060C 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, the CLAS and nine hours of Summer credit (if applicable)

#### Total Semester Hours Required
- **120**

- **Honors In Major**
  - **None**

- **Related Programs**
  - **Art**
  - **Film**
  - **Music**
  - **Theatre**

- **Certificates**
  - **None**
Related Minors
- Art - Studio
- Dance
- Film - Cinema Studies
- Music
- Theatre

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges 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
1. THE 2020  Survey of Theatre for Majors  3 hrs
   may be substituted with:
   THE 2304  Script Analysis  3 hrs
   may be substituted with: THE 2300
   THE 2304  Script Analysis  3 hrs
   may be substituted with: THE 3305
   TPA 2201  Technical Theatre Production  2 hrs
   may be substituted with: TPA 2210
   TPA 2201  Technical Theatre Production  2 hrs
   may be substituted with: TPA 2200
   2. TPP 2101  Fundamentals of Acting  3 hrs
   may be substituted with:
   TPP 3310C  Directing for Theatre I  3 hrs
   may be substituted with: TPP 2300

1 may use any introductory course. However, THE 2020 is a prerequisite for all Theatre courses and will still need to be taken.
2 may use any introductory acting course

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/aio/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term
## 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 online "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.

### Minors

- Accounting
- Actuarial Science
- Aerospace Studies
- African American Studies
- Aging Studies
- American Studies
- Anthropology
- Anthropology in Multicultural Studies
- Art - Studio
- Art History
- Asian Studies
- Astronomy
- Bioengineering
- Biology
- Business
- Chemistry
- Coaching
- Cognitive Sciences
- Communication Sciences and Disorders
- Community Arts - PAVE
- Computer Science
- Criminal Justice
- Dance
- Digital Media
- Early Childhood Development and Education
- Economics
- Education
- Emergency Management and Homeland Security
- Energy and Sustainability
- Engineering Leadership
- English - Creative Writing
- English - Linguistics
- English - Literature
- English - Technical Communication
- English - Writing
- English Language Arts Education
- Entrepreneurship
- Environmental Studies
- European Studies
- Exceptional Education
- Film - Cinema Studies
- Finance
- Fitness Training
- French
- German
- Health Informatics and Information Management
- Health Sciences
- Health Services Administration
- History
- Hospitality Management
- Humanities
- Information Technology
- Intelligent Robot Systems
- Interdisciplinary Informatics Technology
- International and Global Studies
- International Business
- International Engineering
- Interpersonal/Organizational Communication
- Italian
- Judaic Studies
- Latin American Area Studies
- Leadership Studies
- Legal Studies
- Magazine Journalism
- Marketing
- Mass Communication
- Mathematics
- Mathematics Education
- Medical Anthropology
- Medieval and Renaissance Studies
- Middle Eastern Studies
- Military Science
- Molecular Biology and Microbiology
- Music
- Nonprofit Management/American Humanics
- National Certification Program
- North American Indian Studies
- Philosophy
- Philosophy, Religion and Popular Culture
- Physics
- Political Science
- Political Science/Prelaw
- Psychology
- Public Administration
- Real Estate
- Recreation
- Religious Studies
- Science Education
- Secure Computing and Networks
- Social Science Education
- Social Sciences - Interdisciplinary
- Sociology
- Spanish
- Sport Business Management
- Statistics
- Technical Education and Industry Training
- Technological Entrepreneurship
- Theatre
- Urban and Regional Planning
- Women’s Studies
- World Comparative Studies
- Real Estate: Real Estate Appraisal Certificate
- Real Estate: Real Estate Brokerage Certificate
- Security Management Certificate
- Service-Learning Certificate
- Substitute Teaching Certificate
- Translation and Interpretation Certificate
- Victim Advocacy Certificate
- Women’s Studies Certificate

### Certificates

- Aging Studies Certificate
- Behavioral Forensics Certificate
- Children’s Services Certificate
- Crime Analysis and Crime Mapping Certificate
- Crime Scene Investigation Certificate
- Criminal Profiling Certificate
- Cultural Tourism Certificate
- Diplomacy Certificate
- Educational Studies Certificate
- Finance: Banking Certificate
- Finance: Corporate Finance Certificate
- Finance: Investments Certificate
- Judaic Studies Certificate
- Language Development and Disorders Certificate
- Leadership Studies Certificate
- Marketing: e-Marketing Certificate
- Marketing: Entertainment Marketing Certificate
- Marketing: Healthcare Marketing Certificate
- Marketing: Retailing Management Certificate
- Marketing: Selling and Sales Management Certificate
- Marketing: Services Marketing Certificate
- Marketing: Sport Marketing Management Certificate
- Military Science Certificate
- Nonprofit Management Certificate
- Real Estate: Mortgage Brokerage Certificate
- Additional UCF Programs

Study Abroad Programs:
- Argentina
- Australia
- Austria
- Brazil
- Costa Rica
- Croatia
- Czech Republic
- England
- France
- Germany
- Honduras
- Ireland
- Italy
- Japan
- Jordan
- Poland
- Russia
- Scotland
- Spain
- Sweden
- Switzerland
- The Netherlands
### Accounting - Minor

**College of Business Administration**  
Kenneth G. Dixon School of Accounting,  
Business Administration, Room: 437  
http://web.bus.ucf.edu/academics/accounting/  
Phone: 407-823-2871

For Business and Non-Business Majors.

**Minor Admission Requirements**  
- None

**Other Requirements**  
- None

**Prerequisite Courses**  
- None

**Required Courses**  

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACG 2021</td>
<td>Principles of Financial Accounting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ACG 2071</td>
<td>Principles of Managerial Accounting</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Select 1:**  
- May not be counted as an elective if selected as a required course.  
  - ACG 3131  Financial Accounting Concepts and Analysis  
  - ACG 3361  Cost Accounting I

**Restricted Electives**  

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>ACG 3141</td>
<td>Intermediate Financial Accounting II or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ACG 3361</td>
<td>Cost Accounting I or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ACG 3501</td>
<td>Financial Accounting for Governmental and</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>Nonprofit Organizations or</td>
<td></td>
</tr>
<tr>
<td>ACG 4401C</td>
<td>Accounting Information Systems or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ACG 4651</td>
<td>Auditing or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIN 3414</td>
<td>Intermediate Corporate Finance or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIN 4453</td>
<td>Financial Models or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ISM 3252</td>
<td>MIS Techniques or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ISM 421C</td>
<td>Database Design and Implementation or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>TAX 4001</td>
<td>Taxation of Business Entities and Transactions</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Minor Admission Requirements**  
- None

**Other Requirements**  
- None

**Prerequisite Courses**  
- None

**Required Courses**  

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**Select 4:**  
- At least two courses must have either an ACG or TAX prefix.
  - ACG 3131  Financial Accounting Concepts and Analysis  
  - ACG 3141  Intermediate Financial Accounting II or
  - ACG 3361  Cost Accounting I or
  - ACG 3501  Financial Accounting for Governmental and
  - Nonprofit Organizations or
  - ACG 4401C  Accounting Information Systems or
  - ACG 4651  Auditing or
  - FIN 3414  Intermediate Corporate Finance or
  - FIN 4453  Financial Models or
  - ISM 3252  MIS Techniques or
  - ISM 421C  Database Design and Implementation or
  - TAX 4001  Taxation of Business Entities and Transactions

**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 taken at community colleges 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.

### Actuarial Science - Minor

**College of Sciences**  
Department of Statistics,  
Computer Center II, Room: 212  
http://statistics.cos.ucf.edu/  
Dr. David Nickerson, nickerson@mail.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.

**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 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.
  - MAC 2311  Calculus with Analytic Geometry I  
  - MAC 2312  Calculus with Analytic Geometry II  
  - MAC 2313  Calculus with Analytic Geometry III

**Required Courses**  

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<tbody>
<tr>
<td>ECO 2013</td>
<td>Principles of Macroeconomics</td>
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</tr>
<tr>
<td>MAC 2311</td>
<td>Calculus with Analytic Geometry I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAC 2312</td>
<td>Calculus with Analytic Geometry II</td>
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<tr>
<td>MAC 2313</td>
<td>Calculus with Analytic Geometry III</td>
<td>4 hrs</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Statistical Methods I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 4163</td>
<td>Statistical Methods II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 4164</td>
<td>Statistical Methods III</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 4321</td>
<td>Statistical Theory I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 4322</td>
<td>Statistical Theory II</td>
<td>3 hrs</td>
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<tr>
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<td>Principles of Financial Accounting</td>
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<tr>
<td>ECO 2023</td>
<td>Principles of Microeconomics</td>
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<tr>
<td>FIN 3403C</td>
<td>Business Finance</td>
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<tr>
<td>STA 4183</td>
<td>Theory of Interest</td>
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<tr>
<td>STA 4184</td>
<td>Introduction to Derivative Markets</td>
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<tr>
<td>STA 4186</td>
<td>Theory of Derivative Pricing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 4852</td>
<td>Applied Time Series</td>
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</tr>
<tr>
<td>ACG 4401C</td>
<td>Accounting Information Systems or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ACG 4651</td>
<td>Auditing or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIN 3414</td>
<td>Intermediate Corporate Finance or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIN 4453</td>
<td>Financial Models or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ISM 3252</td>
<td>MIS Techniques or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ISM 421C</td>
<td>Database Design and Implementation or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>TAX 4001</td>
<td>Taxation of Business Entities and Transactions</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Foreign Language Requirements**  
- No additional courses are required.

**Total Semester Hours Required**  
- 25

**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.
Minors

Aerospace Studies - Minor
College of Engineering and Computer Science
Air Force ROTC, ROTC Trailer, Room: 103
Col. Michael J. Chandler
Phone: 407-823-1247

Minor Admission Requirements
■ None

Other Requirements
■ None

Prerequisite Courses
■ None

Required Courses
(16 hrs)
Required Courses 16 hrs
AFR 1101C The Air Force Today I 1 hr
AFR 1111C The Air Force Today II 1 hr
AFR 2130C The Development of Air Power I 1 hr
AFR 2131C The Development of Air Power II 1 hr
AFR 3220C Air Force Leadership and Management I 3 hrs
AFR 3230C Air Force Evaluation and Management II 3 hrs
AFR 4201C National Security Affairs and Preparative for Active Duty I 3 hrs
AFR 4210C National Security Affairs and Preparative for Active Duty II 3 hrs

Restricted Electives
■ None

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 16

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 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 or Independent Study credit cannot be used toward the minor.

African American Studies - Minor
College of Arts and Humanities
Program in African American Studies, Colbourn Hall, Room: 411
http://www.aas.cah.ucf.edu/
JoAnne Stephenson, 407-823-0026

The African American Studies minor is designed to complement a student’s major area of study. The minor requires a core of African American Studies courses as well as a selection of directed electives in Fine Arts, History, English, Modern Languages, Music, Literatures, Political Science, Psychology, Sociology, Anthropology, Film, and Theatre.

Minor Admission Requirements
■ None

Other Requirements
■ None

Prerequisite Courses
■ None

Required Courses (6 hrs)
AFA 3104 The Black Intellectual Experience 3 hrs
AMH 3571 Black American History I 3 hrs

Restricted Electives (12 hrs)
■ Additional courses may be used only with the prior permission of the program Director.
AFA 2300 African American Music 3 hrs
AFA 3102 Black Perspectives: A Multidisciplinary Approach 3 hrs
AFA 3955 Study Abroad in Eastern Caribbean 6 hrs
AFA 4105 Documenting African American Heritage and Life 3 hrs
AFH 3100 African History to 1870 3 hrs
AFH 3200 African History Since 1870 3 hrs
AFH 5806 The Historiography of Slavery in Africa 3 hrs
AMH 3403 History of the South Since 1865 3 hrs
AMH 3572 Black American History II 3 hrs
AML 3614 Topics in African American Literature 3 hrs
AML 3615 Harlem, Haiti, and Havana 3 hrs
ANT 3319 Anthropology of Diaspora 3 hrs
ANT 3398 Black/Seminoles Relations 3 hrs
ANT 4340 Caribbean Cultures 3 hrs
ARH 3520 African Art 3 hrs
FIL 3831 Black Cinema 3 hrs
INR 3253 International Politics of Africa 3 hrs
LAH 3470 History of the Caribbean 3 hrs
LAS 4023 African Caribbean Experience 3 hrs
LIT 3192 Caribbean Literature 3 hrs
MUL 2016 Evolution of Jazz 3 hrs
POS 4622 Politics and Civil Rights 3 hrs
PUP 3314 Minorities in American Politics 3 hrs
SOP 3724 Psychology of Prejudice 3 hrs
SYD 3700 Race and Ethnicity 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 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 the approval of the program coordinator.

Aging Studies - Minor
College of Health and Public Affairs
School of Social Work, Health and Public Affairs, Room: 204
E-mail: socialwk@mail.ucf.edu
BSW Coordinator
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. The minor may be completed as a fully web-based program.

Minor Admission Requirements
■ None
Other Requirements
- A required internship, along with course options that include service-learning activities, complements the web-based course of study.
- 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
- GEY 3001: Gerontology: An Interdisciplinary Overview (3 hrs)
- Select One:
  - HSA 4941: Internship (3 hrs)
  - PSY 4510: Field Education (9 hrs)
  - SOW 4941: Internship (9 hrs)
- SYP 4941: Internship (3 hrs)

1 For full-time students
2 For part-time students over two semesters

Restricted Electives
- Students select FOUR additional courses from the following courses: A maximum of TWO courses in their College must be taken and at least TWO courses must be outside their college.
  - College of Health and Public Affairs:
    - HSA 3222: Long Term Care and Administration (3 hrs)
    - HSA 4220: Long Term Patient Management (3 hrs)
    - HSC 4564: Health Care Needs of the Elderly (3 hrs)
    - NUR 4286: Gerontologic Nursing (3 hrs)
    - PLA 4530: Legal Issues of the Elderly (3 hrs)
    - SOW 3740: Social Work Practice with Loss & Life’s Transitions (3 hrs)
    - SOW 4645: Social Services for the Elderly (3 hrs)
  - Other Colleges:
    - DEP 3464: Psychology of Aging (3 hrs)
    - GEY 5007: Women and Healthy Aging (3 hrs)
    - SYP 4730: Patterns of Aging in Society (3 hrs)
    - SYP 4732: Minority Aging (3 hrs)

1 Open to undergraduates with senior standing

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 less than “C” (2.0) are not accepted.
- At least 12 hours used in the minor must be earned at UCF within the program.
- No credit by exam (TSD, Military credit) may be used.
- Independent Study credit may not be used toward the minor.

American Studies - Minor

College of Arts and Humanities
CAH Dean’s Office, Room: 190
http://www.cah.ucf.edu
Lyman Brodie, lbrodie@mail.ucf.edu, 407-823-2292
Phone: 407-823-2251

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses
- (9 hrs)
  - AML 3031: American Literature I or
  - AML 3682: Ethnic Literature in America or
  - AML 4101: American Novel or
  - AML 4261: Literature of the South

Literature and Humanities
- 3 hrs

Select 1:
  - AML 3031: American Literature I or
  - AML 3682: Ethnic Literature in America or
  - AML 4101: American Novel or
  - AML 4261: Literature of the South

Social Sciences
- 3 hrs

Select 1:
  - POS 3413: The American Presidency or
  - POT 3204: American Political Thought or
  - SYD 3700: Race and Ethnicity or
  - SYP 3630: Popular Culture In Society

History
- 3 hrs

Select 1:
  - AMH 3561: Women in American History I or
  - AMH 4110: Colonial America, 1607-1763 or
  - AMH 4130: The Age of the American Revolution, 1763-1789 or
  - AMH 4311: American Culture I or
  - AMH 4313: American Culture II

Restricted Electives
- (12 hrs)
  - 12 additional upper level hours. Select courses not already used from lists above.

Foreign Language Requirements
- None

Total Semester Hours Required
- 21

Other Requirements
- Students must earn at least a “C” (2.0) in each course used to satisfy the minor.
- At least eighteen credit hours must be earned in upper level credits.
- At least 15 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 9 hours may be taken in one area.

Anthropology - Minor

College of Sciences
Department of Anthropology, Howard Phillips Hall, Room: 309
http://www.cos.ucf.edu/anthropology
E-mail: 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.

Other 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.
### Minors

**Prerequisite Courses**
- Students must satisfy each course’s prerequisites before enrolling in the class.

**Required Courses** *(3 hrs)*
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2000</td>
<td>General Anthropology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Restricted Electives** *(15 hrs)*

**A. Concentration in General Anthropology** *(15 hrs)*
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2140</td>
<td>Archaeology and the Rise of Human Culture</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 2141</td>
<td>Cultural Anthropology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 2511</td>
<td>The Human Species</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Select 2:**
- Select two upper level (3000-5000) courses in Anthropology *(6 hrs)*

**B. Concentration in Archaeology** *(15 hrs)*
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2140</td>
<td>Archaeology and the Rise of Human Culture</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Select 4:**
- Select four upper level (3000-5000) courses in Anthropology *(12 hrs)*

**C. Concentration in Physical Anthropology** *(15 hrs)*
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2511</td>
<td>The Human Species</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Select 4:**
- Select four upper level (3000-5000) courses in Anthropology *(12 hrs)*

**D. Concentration in Cultural Anthropology** *(15 hrs)*
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2410</td>
<td>Cultural Anthropology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Select 4:**
- Select four upper level (3000-5000) courses in Anthropology *(12 hrs)*

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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.

**Anthropology in Multicultural Studies - Minor College of Sciences**

Department of Anthropology, Howard Phillips Hall, Room: 309

[http://www.cos.ucf.edu/anthropology](http://www.cos.ucf.edu/anthropology)  
E-mail: [anthropology@ucf.edu](mailto: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

**Other 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 1: 3 hrs
- ANT 2000 General Anthropology or 3 hrs
- ANT 2410 Cultural Anthropology 3 hrs

Restricted Electives (15 hrs)
- Select five of the following. Substitutions require prior consent of the Anthropology Coordinator.
  - ANT 3164 Ancient Incas 3 hrs
  - ANT 3212 Peoples of the World 3 hrs
  - ANT 3241 Magic, Ritual, and Belief 3 hrs
  - ANT 3245 Native American Religions 3 hrs
  - ANT 3302 Anthropology of Diaspora 3 hrs
  - ANT 3312 Ethnology of North American Indians 3 hrs
  - ANT 3319 Anthropology of Black/Seminole Relations 3 hrs
  - ANT 3398 Anthropology of Diaspora 3 hrs
  - ANT 3541 Black/Seminole Relations 3 hrs
  - ANT 3610 Language and Culture 3 hrs
  - ANT 3701 Applied Anthropology 3 hrs
  - ANT 4266 Economic Anthropology, Production, Consumption, and Exchange 3 hrs
  - ANT 4303 Non-Western Course Requirement 3 hrs
  - ANT 4332 Non-Western Course Requirement 3 hrs
  - ANT 4340 Caribbean Cultures 3 hrs
  - ANT 4408 Culture, Disease, and Healing 3 hrs
  - ANT 4467 Nutritional Anthropology 3 hrs
  - ANT 4516 Human Biological Diversity 3 hrs
  - ANT 4702 Culture, Power and Development 3 hrs

Restricted Electives (6 hrs)
- Six semester hours of studio art in one area of specialization at the 3000-4000 level

Art History - Minor
College of Arts and Humanities
School of Visual Arts and Design, Visual Arts Building, Room: 117
http://www.svad.ucf.edu/
Ms. Donna Mercado, 407-823-1708

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

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://www.svad.ucf.edu/
Ms. Donna Mercado, 407-823-1708

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (18 hrs)
Select 1: 3 hrs
- ARH 2050 History of Western Art I 3 hrs
- ARH 2051 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 3 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
- 27
Minors

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- At least two of the required courses must be regularly scheduled 3000-4000 level courses in a single area of specialization in the School of Visual Arts and Design.
- 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 department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Asian Studies - Minor
College of Arts and Humanities
College of Arts and Humanities
http://www.cah.ucf.edu/
Dr. Paul Giordano, 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

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (3 hrs)
HUM 3401 Asian Humanities 3 hrs

Restricted Electives (18 hrs)
- Approved courses (see department for listing)

Foreign Language Requirements
- None

Total Semester Hours Required
- 21

Other Requirements
- Students must earn at least a “C” (2.0) in each course used to satisfy the minor.
- At least fifteen credits hours must be earned in upper level credits.
- At least 15 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.

Astronomy - Minor
College of Sciences
Department of Physics, Math and Physics, Room: 310
E-mail: 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.

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy 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, kassab@mail.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-Professional Advisement or the Pre-Health Professions Advisement office. 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 un-weighted 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@mail.ucf.edu, for application into the minor. Applications will be reviewed and decisions rendered by an admissions committee.

Other Requirements
- None
Biology - Minor
College of Sciences
Department of Biology, Biology, Room: 301
http://biology.cos.ucf.edu/
E-mail: biology@ucf.edu
Mr. Frank Logiudice
Phone: 407-823-2141

Minor Admission Requirements
■ The minor is not open to Biology or Biology Preprofessional majors.

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 in the minor.
■ At least 15 hours used in the minor must be earned at UCF within the department of Biology.

Prerequisite Courses
■ Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (31 hrs)
BSC 2010C  Biology I  4 hrs
BSC 2011C  Biology II  4 hrs
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
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

Select one of the following sequences of courses:
■ Note: These courses are considered equivalent.

CHM 2045C  Chemistry Fundamentals I  4 hrs
or
CHM 2040C  Chemistry Fundamentals IA and
CHM 2041C  Chemistry Fundamentals IB  3 hrs

Restricted Electives
■ None

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 31

Business - Minor
College of Business Administration
Department of Management, Business Administration II, Room: 101
Undergraduate Student Services , 407-823-2184

Minor for Non-Business Majors

Minor Admission Requirements
■ None

Other Requirements
■ None

Prerequisite Courses
■ None
### Minors

#### Chemistry - Minor

**College of Sciences**

**Department of Chemistry, Chemistry, Room: 117**

[http://www.cos.ucf.edu/chemistry](http://www.cos.ucf.edu/chemistry)

**E-mail:** chemistry@ucf.edu

Dr. Pedro Patino, ppatino@mail.ucf.edu

**Minor Admission Requirements**
- The minor is not open to Chemistry majors.

**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 community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and 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.
- 30 of the last 39 hours of course work must be completed in residency at UCF.

**Prerequisite Courses**
- Students must satisfy each course's prerequisites before enrolling in the class.

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>(20 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2045C</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 2046</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2210</td>
<td>1 hr</td>
</tr>
<tr>
<td>CHM 2211</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2211L</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 3120</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 3120L</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

**Recommended Courses**
- At least one course must be selected from group I and the remaining from group I and/or II.

<table>
<thead>
<tr>
<th>Group I: Select at least one course</th>
<th>(8 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCH 4103L</td>
<td>Biochemical Methods</td>
</tr>
<tr>
<td>CHM 3212L</td>
<td>Organic Laboratory Techniques II</td>
</tr>
<tr>
<td>CHM 3411L</td>
<td>Physical Chemistry Laboratory</td>
</tr>
<tr>
<td>CHM 4130</td>
<td>Advanced Analytical Laboratory Technique</td>
</tr>
<tr>
<td>CHM 5451C</td>
<td>Techniques in Polymer Science</td>
</tr>
<tr>
<td>CHS 3530C</td>
<td>Forensic Analysis of Controlled Substances</td>
</tr>
</tbody>
</table>

**Group II:**
- BCH 4053 | Biochemistry I | 3 hrs |
| BCH 4054 | Biochemistry II | 3 hrs |
| CHM 3410 | Physical Chemistry I | 4 hrs |
| CHM 3411 | Physical Chemistry II | 3 hrs |
| CHM 3422 | Applied Physical Chemistry | 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 |
| CHS 4200 | Concepts in Industrial Chemistry | 3 hrs |
| CHS 4615 | Environmental Chemistry | 3 hrs |

**Foreign Language Requirements**
- None

### Coaching - Minor

#### College of Education

**Department of Child, Family and Community Sciences,**

**Education Building, Room: 209**

Debby Mitchell, ED 320H, mitchell@mail.ucf.edu

Phone: 407-823-6598

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 following courses will give the student a coaching endorsement as well as strengthen the marketability of the student’s major program. This Minor is available for students in the 2001 Catalog Year and beyond.

**Minor Admission Requirements**
- None

**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.

#### Prerequisite Courses
- None

**Required Courses**
- None

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>(15 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 PET 2622C</td>
<td>Human Injuries</td>
</tr>
<tr>
<td>PET 3765</td>
<td>Coaching Theory</td>
</tr>
<tr>
<td>PET 4215</td>
<td>Motivational Aspects of Athletic Performance</td>
</tr>
<tr>
<td>PET 4763</td>
<td>Coaching Methods And Principles</td>
</tr>
<tr>
<td>SPM 3204</td>
<td>Sports and Ethics</td>
</tr>
<tr>
<td>Select:</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PEO 2624</td>
<td>Coaching Basketball</td>
</tr>
<tr>
<td>PEO 3324</td>
<td>Coaching Volleyball</td>
</tr>
<tr>
<td>PEO 3644</td>
<td>Coaching Football</td>
</tr>
</tbody>
</table>

1. If the student has completed this course at a community college, it can be transferred into the program.
Cognitive Sciences - Minor
College of Arts and Humanities
Department of Philosophy, Psychology Building, Room: 220
http://www.philosophy.cah.ucf.edu
E-mail: philosophy@mail.ucf.edu
Jennifer Mundale, 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 science, 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

Other Requirements
- None

Prerequisite Courses
- Note: It is the student’s responsibility to satisfactorily complete 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 (15 hrs)
- Foundation Courses
- Select from at least 4 subject areas.

Neuroscience
- PSB 3002  Physiological Psychology or 3 hrs
- PSB 4240C  Neuropsychology or 4 hrs
- PSB 4422  Brainwaves and Behavior or 3 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 3 hrs

Psychology
- EXP 3204  Perception or 3 hrs
- EXP 3604  Cognitive Psychology or 3 hrs
- EXP 4507C  Advanced Human Memory and Cognition 3 hrs

Restricted Electives
- None

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.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study require 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, Room: 101
http://www.cohpa.ucf.edu/comdis/
E-mail: advising@mail.ucf.edu

Licensed Speech-Language Pathology and Audiology Assistant: This state license may be obtained by completing the minor plus one additional course in the disorders area as recommended by the academic advisor.
**Minors**

<table>
<thead>
<tr>
<th>Minor Admission Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
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</table>

<table>
<thead>
<tr>
<th>Other Requirements</th>
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</thead>
<tbody>
<tr>
<td>None</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Prerequisite Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Required Courses (24 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LIN 3716 Language Development 3 hrs</td>
</tr>
<tr>
<td>LIN 3716L Language Development Lab 2 hrs</td>
</tr>
<tr>
<td>SPA 3101 Physiological Bases of Speech and Hearing 3 hrs</td>
</tr>
<tr>
<td>SPA 3112 Basic Phonetics 3 hrs</td>
</tr>
<tr>
<td>SPA 3112L Basic Phonetics Lab 1 hr</td>
</tr>
<tr>
<td>SPA 3471 Communication Disorders in Literature and Media 3 hrs</td>
</tr>
<tr>
<td>SPA 4032 Audiology 3 hrs</td>
</tr>
<tr>
<td>SPA 4400 Language Disorders Across the Life Span 3 hrs</td>
</tr>
<tr>
<td>SPA 4476 Speech Disorders Across the Lifespan 3 hrs</td>
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</table>

<table>
<thead>
<tr>
<th>Restricted Electives</th>
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</thead>
<tbody>
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<table>
<thead>
<tr>
<th>Foreign Language Requirements</th>
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<tbody>
<tr>
<td>None</td>
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<table>
<thead>
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<th>Total Semester Hours Required</th>
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</table>

<table>
<thead>
<tr>
<th>Other Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>A minimum grade of &quot;C-&quot; (1.75) is required in all courses used to satisfy the minor.</td>
</tr>
<tr>
<td>Students must earn an overall minimum of 2.0 GPA in the courses used to complete the minor.</td>
</tr>
<tr>
<td>At least 19 hours used in the minor must be earned at UCF within the department.</td>
</tr>
<tr>
<td>No credit by exam (TSD, Military credit) may be used.</td>
</tr>
<tr>
<td>Internship or Independent Study credit cannot be used toward the minor.</td>
</tr>
</tbody>
</table>

**Community Arts - PAVE - Minor**

**College of Arts and Humanities**

**School of Visual Arts and Design, Visual Arts Building, Room: 117**


E-mail: svad@mail.ucf.edu

Janet Kilbride, 407-823-2676

<table>
<thead>
<tr>
<th>Minor Admission Requirements</th>
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<tbody>
<tr>
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<table>
<thead>
<tr>
<th>Other Requirements</th>
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<tbody>
<tr>
<td>None</td>
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<table>
<thead>
<tr>
<th>Partners in Art in Visual Education (PAVE)</th>
</tr>
</thead>
<tbody>
<tr>
<td>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 department chair.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Prerequisite Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
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</table>

<table>
<thead>
<tr>
<th>Required Courses</th>
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</thead>
<tbody>
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<table>
<thead>
<tr>
<th>Restricted Electives</th>
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<tbody>
<tr>
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<table>
<thead>
<tr>
<th>Foreign Language Requirements</th>
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<tbody>
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<table>
<thead>
<tr>
<th>Total Semester Hours Required</th>
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<tbody>
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<table>
<thead>
<tr>
<th>Other Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not open to Computer Engineering, Computer Science or Information Technology majors.</td>
</tr>
</tbody>
</table>

**Computer Science - Minor**

**College of Engineering and Computer Science**

**School of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 246**

[http://www.eecs.ucf.edu](http://www.eecs.ucf.edu)

Dr. Mark Llewellyn, markl@cs.ucf.edu

Phone: 407-823-2787

<table>
<thead>
<tr>
<th>Minor Admission Requirements</th>
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<tbody>
<tr>
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<table>
<thead>
<tr>
<th>Prerequisite Courses</th>
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</thead>
<tbody>
<tr>
<td>None</td>
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</table>

<table>
<thead>
<tr>
<th>Required Courses (19 hrs)</th>
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</thead>
<tbody>
<tr>
<td>CDA 3103 Computer Logic and Organization 3 hrs</td>
</tr>
<tr>
<td>COP 3223 Introduction to Programming with C 3 hrs</td>
</tr>
<tr>
<td>COP 3330 Object Oriented Programming 3 hrs</td>
</tr>
<tr>
<td>COP 3502C Computer Science I 3 hrs</td>
</tr>
<tr>
<td>COP 3503C Computer Science II 4 hrs</td>
</tr>
<tr>
<td>Select 1:</td>
</tr>
<tr>
<td>COT 3100C Introduction to Discrete Structures or 3 hrs</td>
</tr>
<tr>
<td>MAD 2104 Foundations of Discrete Math 3 hrs</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>Restricted Electives</th>
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<tbody>
<tr>
<td>None</td>
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<table>
<thead>
<tr>
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<tr>
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<td>19</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Other Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not open to Computer Engineering, Computer Science or Information Technology majors.</td>
</tr>
<tr>
<td>A grade of &quot;C&quot; (2.0) or better is required in each course used to satisfy the minor.</td>
</tr>
<tr>
<td>At least 9 hours used in the minor must be earned within Computer Science at UCF.</td>
</tr>
<tr>
<td>No credit by exam (TSD, Military credit) may be used.</td>
</tr>
<tr>
<td>Internship, cooperative education, or Independent Study credit cannot be used toward the minor.</td>
</tr>
</tbody>
</table>

**Criminal Justice - Minor**

**College of Health and Public Affairs**

**Department of Criminal Justice and Legal Studies, Health and Public Affairs I, Room: 311**

E-mail: cjadvise@mail.ucf.edu

Mary Ann Eastep, 407-823-2603

<table>
<thead>
<tr>
<th>Minor Admission Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Other Requirements</th>
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</thead>
<tbody>
<tr>
<td>None</td>
</tr>
</tbody>
</table>

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**UNIVERSITY OF CENTRAL FLORIDA**

352  Undergraduate Catalog 2010-2011
Dance - Minor
College of Arts and Humanities
Department of Theatre, UTC, Room: 180
http://www.theatre.ucf.edu
Brian Vernon, bvernon@mail.ucf.edu, 407-823-2862

Minor Admission Requirements
- A successful audition - contact department for audition dates.

Other 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.
- 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 may be used in the minor only with prior written permission.
- Participation on a minimum of one departmental dance concert.
- A minimum of 3 different dance styles must be completed in the minor.

Prerequisite Courses
- None

Required Courses
- (6 hrs)
  - CCJ 3014 Crime in America 3 hrs
  - CCJ 3024 Criminal System 3 hrs

Restricted Electives
- (12 hrs)
  - Select 2: 6 hrs
    - CJC 3010 Corrections and Penology or 3 hrs
    - CJE 4014 Police and Society or 3 hrs
    - CJE 3510 Prosecution and Adjudication 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

Digital Media - Minor
College of Arts and Humanities
School of Visual Arts and Design
http://www.svad.ucf.edu
E-mail: svad@mail.ucf.edu
Phone: 407-823-6100

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses
- (13 hrs)
  - COP 2500C Concepts in Computer Science 4 hrs
  - DIG 2000 Introduction to Digital Media 3 hrs
  - DIG 3183 Digital Imagery 3 hrs
  - DIG 3716C Internet Interaction 3 hrs

Restricted Electives
- (6 hrs)
  - Select two courses:
    - DIG 2485 Visual Language of the Moving Image 3 hrs
    - DIG 2821 Creative Digital Media Problem Solving 3 hrs
    - DIG 3253C Digital Media Audio 3 hrs
    - DIG 3286C Assembling Digital Media 3 hrs
    - DIG 3480C Computer as a Medium 3 hrs
    - DIG 3525 Digital Media Production I 3 hrs
    - DIG 3563 Information Management and Entrepreneurship 3 hrs
    - DIG 4324C Modeling for Realtime Systems II 3 hrs
    - DIG 4455 Interactive Performance II 3 hrs
    - DIG 4503 Rapid Application Web Development 3 hrs
    - DIG 4530C Media for e-Commerce 3 hrs
    - DIG 4630C Media Business Practices 3 hrs
    - DIG 4713 Game Design 3 hrs
    - DIG 4715C Game Production 3 hrs
    - DIG 4780C Modeling for Realtime Systems 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 19

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.
- 12 hours used in the minor must be taken at UCF.
- 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.
**Minors**

**Early Childhood Development and Education - Minor**

**College of Education**

Department of Child, Family and Community Sciences, Education Building, Room: 209

[http://education.ucf.edu/ece/](http://education.ucf.edu/ece/)

E-mail: ece@mail.ucf.edu

Dr. Judy Levin, ED 122L, jlevin@mail.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. The minor is appropriate for students who are seeking an enhanced understanding of education 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**

- Completion of the CLAS requirement, not alternatives, or completion of an A.A. degree from a Florida public post-secondary institution, including completion of the CLAS requirement or alternatives.
- 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.

**Other Requirements**

- A minimum GPA of 2.75 in all Early Childhood Development and Education courses.
- At least 12 hours used in the minor must be earned at UCF.

**Required Courses**

- None

**Restricted Electives**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEC 4268</td>
<td>Curriculum Activities in Early Childhood</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEC 4604</td>
<td>Classroom Management and Guidance of Young Children</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEC 4661</td>
<td>Early Childhood Education Theory and Practice</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEX 3450</td>
<td>Young Children With Special Needs</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RED 3310</td>
<td>Early Reading, Writing and Language Arts</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Select 1:**

- ECO 2013 Principles of Macroeconomics 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs

**Economics - Minor**

**College of Business Administration**

Department of Economics, Business Administration II, Room: 305

[http://www.bus.ucf.edu/economics](http://www.bus.ucf.edu/economics)

Michael Caputo, BA2 302Q, mcaputo@bus.ucf.edu

David Scrogin, BA2 302U, 407-823-4129

Dr. Nora Underwood, BA2 302N, 407-823-1403

Phone: 407-823-3266

(for both Business Majors and non-Business Majors)

**Minor Admission Requirements**

- None

**Other Requirements**

- None

**Prerequisite Courses**

- None

**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 2013</td>
<td>Principles of 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:**

- ECO 3101 Intermediate Microeconomics or 3 hrs
- ECO 3203 Intermediate Macroeconomics 3 hrs

**Restricted Electives**

**Upper Division Restricted Electives** 9 hrs

- Select from any ECO, ECP or ECS courses at the 3000 - 4000 level, excluding ECO 3401.
- Note: ECO 3401 (or equivalents) is a pre-requisite for the following:
  - ECO 3101 Intermediate Microeconomics 3 hrs
  - ECO 3203 Intermediate Macroeconomics 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) or “S” grades from other institutions are not accepted.
- Courses taken at community colleges 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.

**Education - Minor**

**College of Education**

Department of Educational Studies, Education Building, Room: 220B

[http://education.ucf.edu/](http://education.ucf.edu/)

Dr. William Wise, ED 220B, wwise@mail.ucf.edu

Phone: 407-823-1502

The Education minor is intended to provide for university students outside the College of Education a limited but substantial experience.
Emergency Management and Homeland Security - Minor

College of Health and Public Affairs
Department of Public Administration, Health and Public Affairs II, Room: 238
E-mail: pa/ba/bs@mail.ucf.edu
Dr. Naim Kapucu, 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 expecta-
tions 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 agen-
cies.

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>(15 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 4467  Learning Theory and Assessment</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDF 4603  Analysis and Application of Ethical, Legal, and Safety Issues in Schools</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDG 4410  Teaching Strategies and Classroom Management</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>TSL 4080  Theory and Practice of Teaching ESOL Students in Schools</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Restricted Electives
- Select one
  | Course                                      | (3 hrs) |
  | LAE 4342  Programs in Teaching Language and Composition | |
  | LAE 4464  Survey of Adolescent Literature | 3 hrs |
  | MAE 4634  Programs in Teaching of Mathematics | 3 hrs |
  | SCE 4361  Programs in Teaching Science | 3 hrs |
  | SSE 4396  Programs in Teaching Social Science | 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 certificate nor does it constitute admission to the College of Education.
- Students may enroll in the Education Minor or a Minor in a Content Area, but not both.

Energy and Sustainability - Minor

College of Engineering and Computer Science
Engineering, Room: 107
CECS Academic Affairs
http://www.cecs.ucf.edu
Paul Edlen, paule@mail.ucf.edu, 407-823-2455

Participants in this minor will acquire knowledge in technical, economic and policy issues related to sustainable energy generation, conservation, management and utilization. Those completing the minor will be able to improve their understanding, awareness and job skills to have additional opportunities and advantages to pursue a career in the emerging energy sector.

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None
Minors

Required Courses (12 hrs)
- EGN 4824 Energy and Society 3 hrs
- IDS 3150 Foundations of Environmental Studies 3 hrs
- IDS 4204C Advanced Topics on Energy and Sustainability 3 hrs

Select 1: 3 hrs
- GEB 4152 Technological Entrepreneurship or 3 hrs
- IDS 4949 Cooperative Education 0 hrs

1 Proposals must be approved by the Energy and Sustainability minor program coordinator in cooperation with faculty from the Office of Experiential Learning.

Restricted Electives (6 hrs)
- Select any two elective courses from the following courses:

Energy Systems Design 0 hr
- EEL 4216 Fundamentals of Electric Power Systems or 3 hrs
- EML 4411 Mechanical Power Systems or 3 hrs
- EML 4454 Turbines for Sustainable Power or 3 hrs
- EML 4600 HVAC Systems Engineering or 3 hrs
- EML 4602 Applied HVAC Engineering 3 hrs

Water, Environmental and Waste Management 0 hr
- ENV 3091 Introduction to Environmental Engineering or 3 hrs
- ENV 4120 Air Pollution Control or 3 hrs
- ENV 4341 Solid & Hazardous Waste Management or 4 hrs
- ENV 4561 Environmental Engineering - Process Design 4 hrs

Business and Public Policy 0 hr
- ECP 3902 Economics and the Environment or 3 hrs
- ECP 4003 Environmental and Natural Resource Economics or 3 hrs
- REE 3614 Environmental Issues for Real Estate 3 hrs

Social and Ethical Dimensions 0 hr
- INR 4350 Global Environmental Politics or 3 hrs
- INR 4351 International Environmental Law or 3 hrs
- PAD 4351 Issues in Environmental Program Management or 3 hrs
- PHI 3640 Environmental Ethics or 3 hrs
- PLA 4554 Environmental Law or 3 hrs
- PUP 3203 Environmental Politics or 3 hrs
- PUP 4205 Urban Environmental Policy or 3 hrs
- SYD 4510 Environment and Society 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 cumulative GPA of 2.5 is required to successfully complete the minor.

Engineering Leadership - Minor
College of Engineering and Computer Science
Department of Industrial Engineering and Management Systems, Engineering II, Room: 312
http://www.iems.ucf.edu

The Engineering Leadership Minor provides a knowledge base in engineering leadership principles and practices as well as management techniques in a technical environment. This minor is designed to enhance the student’s marketability, preparation and career viability as they enter the engineering profession.

Minor Admission Requirements
- Acceptance to the program is from a pool of applicants each fall term for the two semester program. Admission requires an interview with the Director of this minor program, submission of the applicant’s resume with academic and outside activity information, and an essay prepared by the applicant explaining their interest in the program with self development issues they would like to explore in the program.
- Only open to CECS undergraduate students
- A minimum GPA of 3.0 is required for acceptance into this minor degree program

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (18 hrs)
- EGN 3613 Engineering Economic Analysis 2 hrs
- EGN 4624 Engineering Administration 3 hrs
- EIN 3354 Principles of Cost Engineering 3 hrs
- EIN 4191C Engineering Leadership Seminar I 2 hrs
- EIN 4192C Engineering Leadership Seminar II 2 hrs
- Two Engineering Design courses 6 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- Students must have a Grade of “C” (2.0) or better in all courses in the minor.
- Any course substitution must be approved by IEMS Undergraduate Coordinator and/or Department Chair.

English - Creative Writing - Minor
College of Arts and Humanities
Department of English, Colbourn Hall, Room: 405
http://english.cah.ucf.edu/
E-mail: english@mail.ucf.edu
Dr. David Wallace, 407-823-2212

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (6 hrs)
- CRW 3013 Creative Writing for English Majors 3 hrs
- CRW 3503 Theory & Practice of Creative Writing 3 hrs

Restricted Electives (6 hrs)

Select one course after completing CRW 3013
- CRW 3102 Fiction Writing Workshop 3 hrs
- CRW 3111 Creative Nonfiction Writing 3 hrs
- CRW 3102 Poetry Writing Workshop 3 hrs
- CRW 3610 Writing Scripts 3 hrs

Select one course
- CRW 4102 Advanced Fiction Writing Workshop 3 hrs
- CRW 4111 Advanced Creative Nonfiction Writing 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.

Minors

Restricted Upper Division Electives--select three courses

CRW 3311  Structure of Verse  3 hrs
CRW 3950  Cypress Dome Editorship  3 hrs
CRW 4014  The Writing Life  3 hrs
CRW 4114  History of Prose Style  3 hrs
CRW 4722  Editing for Creative Writers  3 hrs
CRW 4724  The Florida Review  3 hrs
CRW 4726  Teaching Creative Writing  3 hrs
ENC 3310  Magazine Writing I  3 hrs
ENC 3311  Advanced Expository Writing  3 hrs
Any other CRW elective or Special Topics course  3 hrs

Other Requirements

A grade of “C” (2.0) or better is required in each course 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.

Foreign Language Requirements

None

Total Semester Hours Required

21

English - Literature - Minor

College of Arts and Humanities

Department of English, Colbourn Hall, Room: 405
http://english.cah.ucf.edu/

E-mail: english@mail.ucf.edu

Dr. David Wallace, 407-823-2212

Minor Admission Requirements

None

Other Requirements

None

Prerequisite Courses

None

Required Courses

ENG 3014  Theories and Techniques of Literature Study  3 hrs
PR for all 4000 level AML, ENG, ENL, and LIT courses

Restricted Electives

English courses with AML, ENG, ENL, or LIT prefixes chosen by student and departmental advisor.

Foreign Language Requirements

None

Total Semester Hours Required

21

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, and must be regularly scheduled, upper level courses.

No credit by exam (TSD, Military credit) may be used.

Internship, Co-op, or Independent Study credit cannot be used toward the minor.

English - Technical Communication - Minor

College of Arts and Humanities

Department of English, Colbourn Hall, Room: 405
http://english.cah.ucf.edu/

E-mail: english@mail.ucf.edu

Dr. David Wallace, 407-823-2212

Minor Admission Requirements

None

Other Requirements

None

Prerequisite Courses

None

Required Courses

ENC 3241  Writing for the Technical Professional  3 hrs
ENC 4215  Technical Publication and Project Management  3 hrs
ENC 4218  The Visual in Technical Documentation  3 hrs
ENC 4280  Technical Writing Style  3 hrs
ENC 4293  Documentation and the Collaborative Process  3 hrs
ENC 4294  Documentation and Client-Based Collaboration  3 hrs

Restricted Electives

Students completing the minor may intern with a Central Florida corporation.

Foreign Language Requirements

None
Minors

English - Writing - Minor
College of Arts and Humanities
Department of English, Colbourn Hall, Room: 405
http://english.cah.ucf.edu/
E-mail: english@mail.ucf.edu
Dr. David Wallace, 407-823-2212

Minor Admission Requirements
■ None

Other Requirements
■ None

Prerequisite Courses
■ None

Required Courses
■ None

Restricted Electives (18 hrs)
■ Any 3000 or 4000 level ENC or CRW classes for which the student has met the prerequisites, including:
  CRW 3013 Creative Writing for English Majors 3 hrs
  CRW 3053 Theory & Practice of Creative Writing 3 hrs
  CRW 3120 Fiction Writing Workshop 3 hrs
  CRW 3211 Creative Nonfiction Writing 3 hrs
  CRW 3310 Poetry Writing Workshop 3 hrs
  CRW 3311 Structure of Verse 3 hrs
  CRW 3610 Writing Scripts 3 hrs
  CRW 4122 Advanced Fiction Writing Workshop 3 hrs
  CRW 4123 Science Fiction Writing 3 hrs
  CRW 4224 Advanced Nonfiction Workshop 3 hrs
  CRW 4320 Advanced Poetry Writing Workshop 3 hrs
  CRW 4616 Advanced Scriptwriting Workshop 3 hrs
  ENC 3241 Writing for the Technical Professional 3 hrs
  ENC 3250 Professional Writing 3 hrs
  ENC 3310 Magazine Writing I 3 hrs
  ENC 3311 Advanced Expository Writing 3 hrs

Please note that students will be allowed to take only two of the following courses: CRW 3120, CRW 3211, CRW 3310, CRW 3610, CRW 4122, CRW 4224, CRW 4320, or CRW 4616

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

English Language Arts Education - Minor
College of Education
Department of Teaching and Learning Principles,
Education Building, Room: 209
http://education.ucf.edu/englished/
Dr. Jeff Kaplan, ED 122B, jkaplan@mail.ucf.edu
Dr. Janet Andreassen, ED 123Q, jandreas@mail.ucf.edu, 407-823-5430
Phone: 407-823-2041

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.

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 community college or state university

Other Requirements
■ None

Prerequisite Courses
■ None

Required Courses (18 hrs)
EDF 4467 Learning Theory and Assessment 3 hrs
EDG 4410 Teaching Strategies and Classroom Management 3 hrs
LAE 4342 Programs in Teaching Language and Composition 3 hrs
LAE 4360 English Instructional Analysis 3 hrs
RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
TSL 4080 Theory and Practice of Teaching ESOL in Schools 3 hrs

Restricted Electives
■ None

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Entrepreneurship: Business - Minor
College of Business Administration
Department of Management, Business Administration I,
Room: 309
http://www.cel.ucf.edu
Dr. Cameron Ford, cford@bus.ucf.edu
Phone: 407-823-5569

Open to Business Students

Minor Admission Requirements
■ None

Other Requirements
■ None
Prerequisite Courses
- None

Required Courses (15 hrs)
- GEB 4110 Business Plan Preparation 3 hrs
- GEB 4111 New Venture Finance 3 hrs
- MAN 3301 Management of Human Resources 3 hrs
- MAN 4802 Entrepreneurship 3 hrs

Select 1: 3 hrs
- MAR 3391 Professional Selling or
- MAR 3641 Marketing Intelligence 3 hrs

Restricted Electives (3 hrs)
- Any 3000 or 4000 MAN course not in COB core or the following course:
  - BUL 4540 Employment Law 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) 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.
- A maximum of 6 hours of the above listed required or elective courses can count toward another major or minor degree program.

Entrepreneurship: For Non-Business Majors - Minor
College of Business Administration
Department of Management, Business Administration I, Room: 309
http://web.bus.ucf.edu/

Non-Business Majors

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses

Required Introductory Courses 11 hrs
- MAN 3025 Management of Organizations 4 hrs
- MAR 3023 Marketing 4 hrs

Select 1: 3 hrs
- GEB 3113 How to Start a Business or
- MAN 3301 Management of Human Resources 3 hrs

Required Entrepreneurship Courses 9 hrs
- GEB 4110 Business Plan Preparation 3 hrs
- GEB 4111 New Venture Finance 3 hrs

Select 1:
- GEB 4152 Technological Entrepreneurship or
- MAN 4802 Entrepreneurship 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 20

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.
- 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.
- A maximum of 6 hours of required elective coursework can count toward another major or minor degree program.

Environmental Studies - Minor
Office of Undergraduate Studies
Office of Interdisciplinary Studies, Classroom I, Room: 302
http://www.is.ucf.edu
E-mail: is@mail.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

Other Requirements
- None

Prerequisite Courses
- Note: It is the student’s responsibility to ensure that prerequisite courses have been completed before enrolling in any of these courses requiring a prerequisite.

Required Courses (3 hrs)
- IDS 3150 Foundations of Environmental Studies

Restricted Electives (18 hrs)

Science & Environmental Electives 9 hrs
- BOT 3152C Local Flora 3 hrs
- BOT 3802 Ethnobotany 3 hrs
- BOT 4156C Florida Wildflowers 4 hrs
- BOT 4303C Plant Kingdom 5 hrs
- BOT 4686C Conservation and Management of Native Plants 4 hrs
- BSC 4312C Marine Biology 4 hrs
- HSC 4500 Epidemiology 3 hrs
- OCE 3008 Oceanography 3 hrs
- OS 3044 Principles of Ecology 3 hrs
- PCB 3044L Principles of Ecology Laboratory 1 hr
- PCB 3063 Genetics 3 hrs
- PCB 3304C River Ecology 4 hrs
- PCB 3314 Marine Bio Diversity 3 hrs
- PCB 3442 Florida Aquatic Ecology 4 hrs
- PCB 4303C Physicochemical Limnology 4 hrs
- PCB 4303C Biological Limnology 4 hrs
- PCB 4683 Evolutionary Biology 4 hrs
Minors

Social & Humanities Electives  9 hrs
ECO 4701  Seminar in Global Economic Policy  3 hrs
1 ECP 3302  Economics and the Environment  3 hrs
1 ECP 4309  Environmental and Natural Resource Economics  3 hrs
GEO 2370  Resources Geography  3 hrs
GIS 3043  GIS for Environmental Studies  3 hrs
GIS 4035C  Remote Sensing of the Environment  3 hrs
GIS 4031C  Advanced GIS Applications in Environmental Studies  4 hrs
INR 4351  International Environmental Law  3 hrs
PAD 3330  Urban and Regional Planning  3 hrs
PAD 4351  Issues in Environmental Program Management  3 hrs
PHI 3033  Philosophy, Religion, and the Environment  3 hrs
PHI 3640  Environmental Ethics  3 hrs
PHI 4400  Philosophy of Science  3 hrs
PHI 4633  Ethics and Biological Science  3 hrs
PHM 4051  Environmental Philosophy  3 hrs
PLA 4554  Environmental Law  3 hrs
PUP 3203  Environmental Politics  3 hrs
PUP 4204  Sustainability  3 hrs
PUP 4503  Government and Science  3 hrs

1 Only one of these two courses may be used to fulfill these restricted electives

Foreign Language Requirements

Required Courses (6 hrs)
CPO 4101  Politics of the European Union  3 hrs
LIT 3082  Continental European Fiction Since 1900  3 hrs

Restrictive Electives (15 hrs)

Required Courses (6 hrs)
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
FRE 4500  French Civilization and Culture or  3 hrs
FRW 4281  20th Century French Novels or  3 hrs
FRW 4324  20th Century French Drama or  3 hrs
FRW 4532  French Romanticism or  3 hrs
FRW 4552  Nineteenth Century French Literature or  3 hrs
GER 3102  Germany - Past to Present  3 hrs
GER 4520  Modern Germany or  3 hrs
GEW 3370 短期 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 4184  Irish Literature or  3 hrs
MUL 3604  German Song Literature or  1 hr
MUL 3605  French Song Literature or  1 hr
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

Prerequisite Courses

Literature, Film, and Culture:  3 hrs

European Studies - Minor

College of Sciences

Department of Political Science, Howard Phillips Hall, Room: 302
http://www.cos.ucf.edu/politicalscience
E-mail: politics@mail.ucf.edu
Dr. Kerstin Hamann
Phone: 407-823-2608

An interdisciplinary minor that offers students a general background of 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

Required Courses (6 hrs)

Select at least 6 credits from this grouping:  3 hrs
ECP 3302  Economics and the Environment  3 hrs
ECP 4309  Environmental and Natural Resource Economics  3 hrs

Select at least 6 credits from this grouping:  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

Select at least 6 credits from this grouping:  3 hrs
EUC 3315  History of Modern Spain or  3 hrs
EUC 3411  Ancient Rome or  3 hrs
EUC 3431  History of Modern Italy or  3 hrs
EUC 3451  History of Modern France or  3 hrs
EUC 4284  Fascism and Nazism in the Interwar Europe or  3 hrs
EUC 4400  The History of Ancient Greece or  3 hrs
EUC 4405  English History: 1485-1815 or  3 hrs
EUC 4502  British History: 1815-Present or  3 hrs
EUC 4574  History of Russia: 1801-1917 or  3 hrs
EUC 4576  History of Russia in the 20th Century or  3 hrs
EUC 4582  20th Century Russian Diplomatic History or  3 hrs
EUC 4610  Women in European Society: From Medieval to Modern or  3 hrs

Restrictive Electives (15 hrs)

Required Courses (6 hrs)

Select at least 3 credits from this grouping:  3 hrs

Foreign Language Requirements

Required Courses (6 hrs)
CPO 4101  Politics of the European Union  3 hrs
LIT 3082  Continental European Fiction Since 1900  3 hrs

Restrictive Electives (15 hrs)

Required Courses (6 hrs)

Select at least 6 credits from this grouping:  3 hrs
ECP 3302  Economics and the Environment  3 hrs
ECP 4309  Environmental and Natural Resource Economics  3 hrs

Select at least 6 credits from this grouping:  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

Select at least 6 credits from this grouping:  3 hrs
EUC 3315  History of Modern Spain or  3 hrs
EUC 3411  Ancient Rome or  3 hrs
EUC 3431  History of Modern Italy or  3 hrs
EUC 3451  History of Modern France or  3 hrs
EUC 4284  Fascism and Nazism in the Interwar Europe or  3 hrs
EUC 4400  The History of Ancient Greece or  3 hrs
EUC 4405  English History: 1485-1815 or  3 hrs
EUC 4502  British History: 1815-Present or  3 hrs
EUC 4574  History of Russia: 1801-1917 or  3 hrs
EUC 4576  History of Russia in the 20th Century or  3 hrs
EUC 4582  20th Century Russian Diplomatic History or  3 hrs
EUC 4610  Women in European Society: From Medieval to Modern or  3 hrs
### Exceptional Education - Minor

**College of Education**

**Department of Child, Family and Community Sciences, Education Building, Room: 209**

[http://www.education.ucf.edu](http://www.education.ucf.edu)

Linda Alexander, lalexand@mail.ucf.edu, 407-823-2598

Phone: 407-823-5445

The Exceptional Education minor is intended to provide a limited, but substantive experience in the fields of education and exceptional children. The minor is not intended for students enrolled in the College of Education and does not lead to teacher certification nor admission to the College of Education. 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**

- None

**Political Science or Economics**

3 hrs

**Select at least 3 credits from this grouping:**

- **CPO 3104** Politics of Western Europe or 3 hrs
- **CPO 3614** Politics of Eastern Europe or 3 hrs
- **CPO 4074** Political Economy or 3 hrs
- **CPO 4123** Government and Politics of Great Britain or 3 hrs
- **CPO 4445** Comparative Political Parties or 3 hrs
- **CPO 4643** Government and Politics of Russia or 3 hrs
- **ECO 3703** International Microeconomics or 3 hrs
- **INR 4035** International Political Economy 3 hrs

**Other**

- 3 hrs

- **3 hrs** 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:

**Select at least 3 credits of courses from this grouping:**

- **ARH 4430** 19th Century Art or 3 hrs
- **ARH 4450** 20th Century Art or 3 hrs
- **PHH 3510** Marx and Nietzsche or 3 hrs
- **PHP 3783** Modernity as a Philosophical Problem or 3 hrs
- **PHP 3786** Existentialism or 3 hrs
- **PHP 4782** Phenomenology 3 hrs

**Foreign Language Requirements**

- Two years (four semesters) or equivalent proficiency exam in French, German, Greek, Italian, Portuguese, 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.

### Foreign Language Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Total Semester Hours Required**

- 21

**Other Requirements**

- No credit by exam (CLEP, Military credit) may be used. Transfer credits from other universities will be considered.

### Film - Cinema Studies - Minor

**College of Arts and Humanities**

**Department of Film, Nicholson School of Communication, Room: 121**


E-mail: film@mail.ucf.edu

Mr. S. Schlow, 407-823-2845

Phone: 407-823-4285

**Minor Admission Requirements**

- Completion of a Minor Declaration form

**Other Requirements**

- None

**Prerequisite Courses**

- None

**Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIL 2030</td>
<td>History of Motion Pictures</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 2423</td>
<td>Foundations of Production</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3006</td>
<td>Art of the Cinema</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Select 1:</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 1000</td>
<td>Cinema Survey or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 1007</td>
<td>Foundations of Story</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
Minors

Restricted Electives (6 hrs)
- Choose Two
  - FIL 3051 Avant-Garde Cinema 3 hrs
  - FIL 3363 Principles of Microeconomics 3 hrs
  - FIL 3820 Italian Film 3 hrs
  - FIL 3822 French Film 3 hrs
  - FIL 3823 German Film 3 hrs
  - FIL 3824 Italian Neo-Realist Cinema 3 hrs
  - FIL 3826 American Cinema 3 hrs
  - FIL 3831 Black Cinema 3 hrs
  - FIL 3841 French New Wave Cinema 3 hrs
  - FIL 3845 World Cinema Traditions 3 hrs
  - FIL 3847 Latin American Cinema 3 hrs
  - FIL 3871 The American Film Artist 3 hrs
  - FIL 3890C Images of Women in Film 3 hrs
  - FIL 4647 Film Production Management 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
- None

Other Requirements
- None

Prerequisite Courses (6 hrs)
- ACG 2021 Principles of Financial Accounting 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs

Required Courses (10 hrs)
- FIN 2100 Personal Finance and Investments 3 hrs
- FIN 3303 Financial Markets 3 hrs
- FIN 3403C Business Finance 4 hrs

Restricted Electives (9 hrs)
- Select 3: 9 hrs
  - FIN 3414 Intermediate Corporate Finance or 3 hrs
  - FIN 3461 Financial Statement Analysis or 3 hrs
  - FIN 3504 Investment 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 3 hrs

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) or "S" grades from other institutions are not accepted.
- Courses taken at community colleges 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.
- A maximum of 6 hours of the above listed required or elective courses can count toward another major or minor degree program.

Fitness Training - Minor
College of Education
Department of Child, Family and Community Sciences, Education Building, Room: 209
Anna Valdes, ED 320 H, asarmien@mail.ucf.edu
Phone: 352-536-2141

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 receive certification from The American Council on Exercise. This Minor is available for students in the 2001 Catalog Year and beyond.

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (12 hrs)
- PET 4083 Personal Training Methods 3 hrs
- PET 4312 Biomechanics 3 hrs
- PET 4550 Fitness Assessment 3 hrs
- 1 ZOO 3736 Exercise Physiology Anatomy 4 hrs

1 This course should be taken prior to PET 4312, PET 4550, and PET 4083.

If the student has completed the Human Anatomy requirement at another school, it can be substituted with this course.

Restricted Electives (6 hrs)
- Select 2: 6 hrs
  - PET 3361 Nutrition for Sport and Fitness or 3 hrs
  - PET 3768 Group Exercise Instruction or 3 hrs
  - PET 3771 Strength and Conditioning Concepts or 3 hrs
  - PET 4215 Motivational Aspects of Athletic Performance or 3 hrs
  - PET 4351C Applied Exercise and Human Physiology 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 19
Other Requirements
- No grades below “C-” (1.75) and no “S” grades will be 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 or Independent Study credit cannot be used toward the minor.

Required Courses
- None

Restricted Electives (18 hrs)
- Select six upper division courses in French, including the 3000-level advanced oral communication and composition courses.
- A native or near-native speaker must substitute an alternate upper division course for the advanced oral communication course.
- 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 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.

Health Informatics and Information Management - Minor
College of Health and Public Affairs
Department of Health Management and Informatics, Health and Public Affairs II, Room: 210
Alice Noblin, anoblin@mail.ucf.edu, 407-823-2353

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (20 hrs)
- HIM 3006 Foundations of Health Information Management (HIM) 3 hrs
- HIM 4226C Coding Procedures I 5 hrs
- HIM 4256C Coding Procedures II 3 hrs
- HIM 4508C Quality Management 3 hrs
- HIM 4656C Health Information Management Systems 3 hrs
- HSC 3537 Medical Terminology 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 20

Other Requirements
- A minimum overall GPA of 2.5 is required. A minimum grade of “C” (2.0) is required in each course for the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by examination (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor without departmental approval.
Minors

Health Sciences - Minor
College of Health and Public Affairs
Department of Health Professions,
Health and Public Affairs II, Room: 212
L. Timothy Worrell, 407-823-2214

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses
- HSA 3111 U.S. Health Care Systems 3 hrs
- HSC 3110 Medical Self Assessment 3 hrs
- HUN 2002 Modern Concepts in Nutrition 3 hrs

Restricted Electives
- 9 additional hours of upper division courses in the Department of Health Professions or the Department of Health Management and Informatics.

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
E-mail: hsainfo@mail.ucf.edu
Dr. Kendall Cortelyou-Ward, 407-823-2359

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses
- HSA 3111 U.S. Health Care Systems 3 hrs
- HSA 4180 Organization & Management for Health Agencies I 3 hrs
- HSA 4191 Health Care Automation 3 hrs
- HSC 4201 Community Health 3 hrs
- HSC 4500 Epidemiology 3 hrs

Restricted Upper Division Electives
- (15 hrs)

Restricted Electives
- (3 hrs)

History - Minor
College of Arts and Humanities
Department of History, Colbourn Hall, Room: 551
http://www.history.cah.ucf.edu/
E-mail: history@mail.ucf.edu
Dr. Rosalind J. Belier, 407-823-2225

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses
- (15 hrs)

Restricted Upper Division Electives
- (3 hrs)

Restricted Electives
- (3 hrs)

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
E-mail: hospitality@mail.ucf.edu
Dr. Fevzi Okumus, Department Chair
Dr. Abraham Pizam, Dean
Phone: 407-903-8000

Minor Admission Requirements
- None

Other Requirements
- None
### Humanities - Minor

**Department of Philosophy, Psychology Building, Room: 220**

**http://www.philosophy.cah.ucf.edu**

**E-mail: philosophy@mail.ucf.edu**

Ms. Ann Maukonen, 407-823-2273

A multicultural minor focusing on the art, literature, philosophy, and religion of various world cultures. This minor is intended to provide a limited, yet substantive, introduction to humanities themes related to knowledge, responsibility, and society. Students interested in the Interdisciplinary Studies major may find this minor particularly helpful. In consultation with a departmental advisor, student will select courses in accordance with the distributions listed below.

**Minor Admission Requirements**

| None |

**Required Courses**

| (18 hrs) |

<table>
<thead>
<tr>
<th>Take all of the following:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 1000 Introduction to the Hospitality and Tourism Industry and Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3540 Guest Services Management</td>
<td>3 hrs</td>
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</table>

<table>
<thead>
<tr>
<th>Select 2:</th>
<th>6 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 2220 Hospitality Human Resources Management or Human Resource Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 2401 Hospitality Industry Financial Accounting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 2500 Hospitality and Tourism Marketing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3431 Hospitality Industry Managerial Accounting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3444 Hospitality Information Systems or Information Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3603 Legal Environment in the Hospitality and Tourism Industry or Tourism and Environment</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4286 Hospitality Communications</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4464 Hospitality Industry Finance</td>
<td>3 hrs</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Select 2:</th>
<th>6 hrs</th>
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</thead>
<tbody>
<tr>
<td>FSS 2221C Techniques of Food Preparation or Food Preparation</td>
<td>4 hrs</td>
</tr>
<tr>
<td>HFT 2254 Lodging Operations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 2750 The Event Industry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3263 Restaurant Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3273 Principles of Resort Timesharing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3700 Tourism Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4277 Yacht, Country, and City Club Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4755 Theme Park and Attraction Management</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Other Requirements**

| None |

**Humanities Foundations**

| 6 hrs |

<table>
<thead>
<tr>
<th>Select 2:</th>
<th>6 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>HUM 3252 Contemporary Humanities or Humanities</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HUM 3255 Modern Humanities or Modern Humanities</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HUM 3431 Ancient Humanities or Ancient Humanities</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HUM 3435 Medieval Humanities or Medieval Humanities</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Humanistic/Religious Traditions**

| 12 hrs |

<table>
<thead>
<tr>
<th>Select 2:</th>
<th>6 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 3245 Native American Religions or Native American Religions</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HUM 3401 Asian Humanities or Asian Humanities</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HUM 3417 Hindu Thought and Culture or Hindu Thought and Culture</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HUM 3419 Islamic Thought and Culture or Islamic Thought and Culture</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HUM 3552 Christian Thought or Christian Thought</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HUM 3553 Moses, Jesus and Muhammad or Moses, Jesus and Muhammad</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3401 The Jewish People or The Jewish People</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3701 Native American Philosophy</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Select 2:</th>
<th>6 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>HUM 4330 Performance Theory or Performance Theory</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HUM 4554 Religious Quest and Human Dilemma or Religious Quest and Human Dilemma</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3022 Sexuality, Gender &amp; Philosophy or Sexuality, Gender &amp; Philosophy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3033 Philosophy, Religion, and the Environment or Philosophy, Religion, and the Environment</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3638 Ethical Issues in the 21st Century or Ethical Issues in the 21st Century</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3803 Philosophy and Creativity or Philosophy and Creativity</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 4321 Philosophies of Embodiment: Mind/Body/Self or Philosophies of Embodiment: Mind/Body/Self</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHM 3123 Feminist Theories or Feminist Theories</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REL 3111 Religion and Philosophy Through Film or Religion and Philosophy Through Film</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REL 3115 Religion, Spirituality, and Popular Music or Religion, Spirituality, and Popular Music</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Restricted Electives**

| (3 hrs) |

| Select one additional course from the following: |
|---|---|
| CLT 3370 Classical Mythology | 3 hrs |
| CLT 3378 Comparative Mythology | 3 hrs |
| HUM 3320 Contemporary Multicultural Studies | 3 hrs |
| HUM 4301 The Classical Ideal | 3 hrs |
| HUM 4303 The Spiritual Ideal | 3 hrs |
| PHI 3700 Philosophy of Religion | 3 hrs |
| PHI 3800 Aesthetics | 3 hrs |
| PHI 4804 Critical Theory | 3 hrs |

**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. |
Minor Admission Requirements
- Not open to Information Technology majors.
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (3 hrs)
- Option 1
  - Select one of the following three options:
    - Not open to Computer Science Minors or Interdisciplinary Studies Majors
    - COP 2900C Concepts in Computer Science 4 hrs
    - Select 1:
      - CGS 1060C Introduction to Computer Science 3 hrs
      - CGS 2100C Computer Fundamentals for Business 3 hrs
    - Option 2
      - Not open to Computer Science Minors or Interdisciplinary Studies Majors
      - COP 3223 Introduction to Programming with C 3 hrs
      - COP 3502C Computer Science I 3 hrs
    - Option 3
      - Computer Science Minors and Interdisciplinary Studies Majors Only
      - Select 1:
        - CGS 1060C Introduction to Computer Science or 3 hrs
        - CGS 2100C Computer Fundamentals for Business 3 hrs
      - Restricted Electives (9 hrs)
        - Select 1:
          - CGS 2545C Database Concepts or 3 hrs
          - CGS 2585C Desktop/Internet Publishing or 3 hrs
          - CGS 3175 Internet Applications or 3 hrs
          - CGS 3269 Computer Architecture Concepts or 3 hrs
          - CGS 3763 Operating System Concepts or 3 hrs
          - CIS 3003 Fundamentals of Information Technology or 3 hrs
          - CNT 3004 Computer Network Concepts 3 hrs
        - College Electives Options 1 and 2 3 hrs
        - Option 3 6 hrs
      - Any upper division courses offered within Computer Science at UCF or additional courses chosen from restricted electives (exclusive of independent studies, internships, and those courses listed under required courses.) See other requirements.

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 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.

Intelligent Robotic Systems (IRS) - Interdisciplinary - Minor

College of Engineering and Computer Science
Engineering, Room: 307
http://www.cecs.ucf.edu

Mr. Paul Edlen, paule@mail.ucf.edu, 407-823-2455

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (9 hrs)
- Select 2:
  - CAP 4453 Robot Vision or 3 hrs
  - CAP 4630 Artificial Intelligence or 3 hrs
  - EEL 3657 Linear Control Systems or 3 hrs
  - EGN 3321 Engineering Analysis-Dynamics or 3 hrs
  - EML 3262 Kinematics of Mechanisms or 3 hrs
  - EML 4312C Feedback Control 3 hrs

Restricted Electives (9 hrs)
- Select 3:
  - CAP 5415 Computer Vision or 3 hrs
  - CAP 5512 Evolutionary Computation or 3 hrs
  - CAP 5610 Machine Learning or 3 hrs
  - EEL 4612 Introduction to Modern and Robust Control or 3 hrs
  - EEL 4750 Digital Signal Processing Fundamentals or 3 hrs
  - EEL 5173 Linear Systems Theory or 3 hrs
  - EEL 5513 Digital Signal Processing Applications or 3 hrs
  - EGN 5640 Applied Control Systems or 3 hrs
  - EEL 5625 Digital Control Systems or 3 hrs
  - EEL 5669 Autonomous Robotic Systems or 3 hrs
  - EEL 5680 Image Processing or 3 hrs
  - EEL 5825 Pattern Recognition or 3 hrs
  - EML 4804C Digital Control in Mechatronics or 3 hrs
  - EML 5290 Introduction to MEMS and Micromachining or 3 hrs
  - EML 5311 System Control 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.
- A high-level programming language class (like the following or its equivalent) is required for the minor.
  - COP 3223 Introduction to Programming with C 3 hrs
  - EGN 3211 Engineering Analysis and Computation 3 hrs
- Students whose major requires senior design courses are encouraged to take the following courses and to undertake a project in intelligent robotic systems.
  - EGN 4412C Interdisciplinary Design I 3 hrs
  - EGN 4413C Interdisciplinary Design II 3 hrs
Interdisciplinary Informatics Technology - Minor
College of Engineering and Computer Science
School of Electrical Engineering and Computer Science,
Harris Corp. Engineering Center, Room: 246
http://www.eecs.ucf.edu/I2Tech/
Dr. Mark Llewellyn, markl@cs.ucf.edu

Minor Admission Requirements
■ None

Other Requirements
■ None

Prerequisite Courses
■ None

Required Courses (18 hrs)
Required Courses 6 hrs
CGS 3175 Internet Applications 3 hrs

Select 1: 3 hrs
CGS 1060C Introduction to Computer Science or 3 hrs
CGS 2100C Computer Fundamentals for Business or
COP 3502C Computer Science I 3 hrs

Healthcare Informatics Concentration 9 hrs
HIM 3006 Foundations of Health Information Management (HIM) 3 hrs
HSA 4191 Health Care Automation 3 hrs

Select 1: 3 hrs
CGS 4144 Introduction to Informatics or 3 hrs
CIS 3003 Fundamentals of Information Technology 3 hrs

Technical Elective 3 hrs
Students should consult with the program coordinator for a list of the approved technical electives.

Restricted Electives
■ None

Foreign Language Requirements
■ None

Total Semester Hours Required 18

Other Requirements
■ A minimum cumulative GPA of 2.5 is required in the minor/certification.
■ Pre-requisites to the minor include basic computer skills.
■ No credit by exam (TSD, Military credit) may be used.

International and Global Studies - Minor
College of Sciences
Department of Political Science, Howard Phillips Hall,
Room 302
http://www.cos.ucf.edu/politicalscience
E-mail: politics@ucf.edu
Dr. Waltraud Morales
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.

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 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)
GEO 3471 World Political Geography 3 hrs
IDS 4315 Global Perspectives 3 hrs

Restricted Electives (15 hrs)
A. Restricted Political Science Electives: 6 hrs
Select courses from this grouping: 6 hrs
INR 4011 Politics of Globalization or 3 hrs
INR 4030 Diplomacy or
INR 4035 International Political Economy or
INR 4054 Global Politics of Energy or
INR 4074 Immigration Policy or
INR 4075 Human Rights Policy or
INR 4076 Global Drug Policy or
INR 4350 Global Environmental Politics or
INR 4502 International Organizations or
INR 4503 International Relations Theory or
INR 4714 Politics of International Trade Policy 3 hrs

B. Restricted Area Studies Electives: 6 hrs
Select courses from this grouping: 3 hrs
INR 3710 Developments in Latin American Politics
INR 3810 Developments in Middle Eastern Politics
INR 3910 Developments in European Politics
INR 3915 Developments in Asian Politics
INR 3920 Developments in African Politics

C. Restricted Electives: 3 hrs
Substitutions require prior approval by the program advisor.

Select one course from this grouping: 3 hrs
CPO 3103 Comparative Politics or
CPO 4062 Comparative Judicial Process or
CPO 4074 Political Economy or
CPO 4445 Comparative Political Parties or
CPO 4710 Women in Comparative Politics or
CPO 4754 Comparative Political Institutions or
CPO 4784 Political and Economic Inequality in Comparative Perspective or
DSC 4012 Terrorism or
EUH 3651 War and Society or
MMC 4300 International Media or
SYP 4454 Global Inequality and Society or
THE 3312 Theatre History and Dramatic Literature II or
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.
Minors

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.

International Business - Minor
College of Business Administration
Department of Finance, Business Administration I,
Room: 409
Richard Ajayi, 407-823-5908

Minor for Business Majors

Minor Admission Requirements
- None

Other Requirements

Prerequisite Courses
- None

Required Courses (12 hrs)
- PIN 4604 International Financial Management 3 hrs
- MAN 4600 International Management 3 hrs
- MAR 4156 International Marketing 3 hrs

Select 1:
- ECO 3703 International Microeconomics 3 hrs
- ECO 4713 International Macroeconomics 3 hrs

Restricted Electives (6 hrs)
- ECO 3703 International Microeconomics 3 hrs
- ECO 4701 Seminar in Global Economic Policy 3 hrs
- ECO 4713 International Macroeconomics 3 hrs
- ECS 4013 Development Economics 3 hrs
- GEO 3471 World Political Geography 3 hrs
- INR 4035 International Political Economy 3 hrs
- INR 4224 Contemporary International Politics of Asia 3 hrs
- INR 4243 International Politics of Latin America 3 hrs
- INR 4401 International Law I 3 hrs
- MAR 4724 Strategic Foundations in Global E-Business 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) or "S" from other institutions are not accepted.
- Courses taken at community colleges 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.
- 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, gonzalez@mail.ucf.edu, 407-823-5027

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 Director

Other 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 in where English is widely spoken.
    - If the student demonstrates proficiency through exam or if the language requirement is waived, he/she will instead take six hours of alternative international coursework at UCF in lieu of the foreign language credits. This alternative international coursework will consist of the following two courses (or an equivalent(s) approved by the program coordinator):
      - GEO 3471 World Political Geography 3 hrs
      - IDS 3333 World Comparative Studies 3 hrs
  - Cultural Courses 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 three 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 this is not possible, then the minor coordinator will select EGN 3940 - Practicum as an acceptable alternative. In this alternative, the student will be paired with a CECS faculty member of the same culture of the country or region where the student seeks to go. The faculty member will assign the student a semester-long project that will entail a technical aspect as well as a cultural aspect.

Option 3) If such a mapping cannot be made, 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 have the option to either:
  - (1) complete 9 hours of technical coursework (classroom studies) in residence at a partner institution abroad, or
  - (2) complete 6 hours of technical coursework in residence (classroom studies) at a partner institution abroad, plus one semester (3 hours) as an engineering or technology intern abroad in a career-related position with a company in the same country or region.

- 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. 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 prior to enrolling.

- 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 cumulative GPA of 2.5 is required in the minor/certification.
- Pre-requisites to the minor include completion of a minimum of 45 credit hours prior to the study abroad experience.

---

**Interpersonal/Organizational Communication - Minor**

**College of Arts and Humanities**

**Department of Modern Languages and Literatures,**

**Colbourn Hall, Room: 523**

[http://mll.cah.ucf.edu](http://mll.cah.ucf.edu)

E-mail: forlang@mail.ucf.edu

Dr. Paul Giordano, 407-823-2472

**Minor Admission Requirements**

- None

**Other Requirements**

- None

**Prerequisite Courses**

- None

**Required Courses**

- None

**Restricted Electives**

- None

- 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 School of Communication
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit can be used toward the minor with prior approval.

---

**Italian - Minor**

**College of Arts and Humanities**

**Department of Modern Languages and Literatures,**

**Colbourn Hall, Room: 523**

[http://mll.cah.ucf.edu](http://mll.cah.ucf.edu)

E-mail: forlang@mail.ucf.edu

Dr. Paul Giordano, 407-823-2472

**Minor Admission Requirements**

- None

**Other Requirements**

- None

**Prerequisite Courses**

- None

**Required Courses**

- None

**Restricted Electives**

- Select 6 upper division courses in Italian, including the 3000-level advanced oral communication and composition courses.

- Approval of a departmental advisor is required prior to registration.

---

**Foreign Language Requirements**

- None

---

**Total Semester Hours Required**

- 18
Minors

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 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.

Judaic Studies - Minor
College of Arts and Humanities
Program in Judaic Studies,
Colbourn Hall, Room: 415 E-J
http://www.judaicstudies.cah.ucf.edu/
E-mail: judaicst@mail.ucf.edu
Dr. Moshe Pelli, 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 with the Interdisciplinary Studies and Women’s Studies programs. Students who desire to minor in Judaic Studies should take the required Hebrew courses (8 hours) or proficiency and 18 hours in the Judaic Studies courses listed below. Interested students are encouraged to meet with the program director. For certificate requirements, refer to the section on Judaic Studies Certificate.

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (8 hrs)

HBR 1120 Elementary Modern Hebrew Language and Culture I 4 hrs
HBR 1121 Elementary Modern Hebrew Language and Culture II 4 hrs

Restricted Electives (18 hrs)

Jewish History
JST 3401 The Jewish People I 3 hrs
JST 3402 The Jewish People II 3 hrs
JST 3415 American Jewish History 3 hrs
JST 3481 20th Century Jewish History and Thought 3 hrs
JST 3550 Introduction to Modernism into Judaism 3 hrs
JST 3701 History of the Holocaust 3 hrs

Bible
JST 3120 Hebrew Scriptures 3 hrs
JST 3125 The Book of Job 3 hrs
JST 3126 Romantic Love in the Bible 3 hrs
JST 3144 Dead Sea Scrolls 3 hrs
JST 3190 The Biblical Prophets 3 hrs

Literature
JST 3100 The Hebrew Creative Mind 3 hrs
JST 3312 Identity and Genre 3 hrs
JST 3751 Literature of the Holocaust 3 hrs

Culture
JST 3450 Modern Jewish Experience 3 hrs
JST 3810 The Jewish National Movement and Roots of Zionism 3 hrs
JST 3820 Modern Hebrew Culture 3 hrs

Language
HBR 2200 Intermediate Modern Hebrew I 3 hrs
HBR 2201 Intermediate Modern Hebrew II 3 hrs
HBR 3250 Biblical Hebrew 3 hrs
HBR 3410 Conversational Israeli Hebrew 3 hrs

Jewish Civilization
JST 3005 Tenets of Judaism 3 hrs
JST 3121 Classic Texts of Judaism 3 hrs
JST 3210 Kabbalah: Jewish Mysticism 3 hrs
JST 3620 Contemporary Jewish Ethics and Morality 3 hrs

Other Courses, including special topics, with the approval of the Director

Latin American Area Studies - Minor
College of Arts and Humanities
Colbourn Hall, Room: 406E & 406F
Dr. Jose Maunez-Cuadra, jmaunez@mail.ucf.edu, 407-823-1173
Phone: 407-823-1174

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.

Minor Admission Requirements
- Admission by interview with the Program Director.

Other Requirements
- Successful completion of the following courses, or demonstration of proficiency.
  - SPN 1120C Elementary Spanish Language and Civilization I 4 hrs
  - SPN 1121C Elementary Spanish Language and Civilization II 4 hrs

Prerequisite Courses
- None

Required Courses
- None

Restricted Electives (18 hrs)

Anthropology
ANT 3154 Ancient Incas 3 hrs
ANT 3158 Maya Archaeology 3 hrs
ANT 4308 Gender Issues in Latin America 3 hrs
ANT 4332 People and Cultures of Latin America 3 hrs
ANT 4340 Caribbean Cultures 3 hrs
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

### Other Requirements
- None

### Prerequisite Courses
- None

### Required Courses (19 hrs)

#### Foundation Requirement
- LDR 2001 Foundations of Leadership 2 hrs
- 1 LDR 2002 Intermediate Foundations of Leadership 2 hrs

1. PR: LDR 2001

#### Restricted Requirements
- Choose one course from each of the five areas:

##### Communication
- 1. COM 3011C Communication and Human Relations or 3 hrs
- 2. COM 3120 Organizational Communication or 3 hrs
- 3. COM 4461 Intercultural Communication or 3 hrs
- 4. COM 4462 Conflict Management or 3 hrs
- 5. ENC 3250 Professional Writing or 3 hrs
- 6. SPC 3445 Leadership Through Oral Communication 3 hrs

##### Collaboration
- 1. INP 3004 Industrial/Organizational Psychology or 3 hrs
- 2. INP 4313 Organizational Psychology or 3 hrs
- 3. MAN 3025 Management of Organizations or 3 hrs
- 4. MAN 4240 Organizations; Theory and Behavior or 3 hrs
- 5. SPC 4426 Group Dynamics 3 hrs

##### Social Relations and Culture
- 1. ANT 3541 Biobehavioral Anthropology or 3 hrs
- 2. CLP 3143 Abnormal Psychology or 3 hrs
- 3. COM 4461 Intercultural Communication or 3 hrs
- 4. EXP 3304 Motivation or 3 hrs
- 5. SOP 3004 Social Psychology or 3 hrs
- 6. SOP 3723 Cross Cultural Psychology or 3 hrs
- 7. SOP 3742 Psychology of Women or 3 hrs
- 8. SOP 3784 Psychology of Diversity 3 hrs

##### Politics
- 1. PAD 3003 Public Administration in American Society or 3 hrs
- 2. PAD 4104 Administrative Theory or 3 hrs
- 3. PAD 4144 Non-Profit Organizations or 3 hrs
- 4. PAD 4754 Interdisciplinary Leadership in Public Affairs or 3 hrs
- 5. POS 3413 The American Presidency or 3 hrs
- 6. POS 4206 Political Psychology or 3 hrs
- 7. PUP 3325 Women and Political Behavior or 3 hrs
- 8. SYO 4300 Political Sociology 3 hrs

##### Ethics
- 1. BUL 3320 Legal and Ethical Environment of Business or 3 hrs
- 2. EDF 3601 Professional Ethics in Education or 3 hrs
- 3. PAD 3040 Ethics and Values in Public Administration or 3 hrs
- 4. PHI 2108 Critical Thinking or 3 hrs
- 5. PHI 3638 Ethical Issues in the 21st Century or 3 hrs
- 6. PHI 3640 Environmental Ethics 3 hrs

1. PR: or CR: COM 3311
2. PR: COM 3311
3. PR: Grade of C or better required in ENG 1102; junior standing; 12 upper division hours in the student’s major.
4. PR: COM 3120 and COM 3311 or CI
5. PR: PSY 212 or CI
6. PR: INP 3004
7. PR: required for minor
8. PR: Management major, MAN 3025
9. PR: PSY 2012
10. PR: POS 2041
11. PR: PAD 3003 or CI
12. PR: ENC 1101 or CI
13. PR: POS 2041 or CI
14. PR: POS 2041 or CI. Offered every two years.
15. PR: Junior standing or CI
16. PR: PHI 2102 or CI
17. PR: Junior standing

### Restricted Electives
- None

### Foreign Language Requirements
- None
Minors

Total Semester Hours Required
- 19

Other Requirements
- Earn a grade of "C" (2.0) or better in each course used to satisfy the minor.
- At least 15 credit 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.
- Students cannot complete both the Leadership Studies minor and the Leadership Studies certificate.

Legal Studies - Minor
College of Health and Public Affairs
Department of Criminal Justice and Legal Studies, Health and Public Affairs I, Room: 311
E-mail: cjadvise@mail.ucf.edu
David Slaughter, 407-823-2603

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (3 hrs)
PLA 3014 Law and the Legal System 3 hrs

Restricted Electives (18 hrs)

Restricted Upper Division 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

Foreign Language Requirements
- None

Total Semester Hours Required
- 21

Other Requirements
- A minimum GPA of 2.0 is required in each course 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 School of Communication.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (9 hrs)
JOU 2100C News Reporting 3 hrs
JOU 3510 Magazine Publishing 3 hrs
JOU 4224 Magazine Editing and Production 3 hrs

Restricted Electives (9 hrs)
Select three from the following choices: 9 hrs
ENC 3310 Magazine Writing I or 3 hrs
JOU 3201 Editing I or 3 hrs
JOU 3202 Editing II or 3 hrs
JOU 4300 Feature Writing or 3 hrs
JOU 4308 Freelance Writing or 3 hrs
JOU 4340C On-line Journalism I 3 hrs

Marketing - Minor
College of Business Administration
Department of Marketing, Business Administration II, Room: 307S
Open to Business and Non-Business Students

Minor Admission Requirements
- Not available to Marketing Majors

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (4 hrs)
MAR 3023 Marketing 4 hrs

Restricted Electives (12 hrs)
Select four or five:
MAR 3323 Integrated Marketing Communication 3 hrs
MAR 3391 Professional Selling 3 hrs
MAR 3403 Sales Force Management 3 hrs
MAR 3503 Customer Behavior 3 hrs
MAR 3613 Marketing Analysis and Research 3 hrs
MAR 3641 Marketing Intelligence 3 hrs
MAR 3721 E-Marketing 3 hrs
MAR 4156 International Marketing 3 hrs
MAR 4231 Retailing Management 3 hrs
MAR 4711 Sport Marketing 3 hrs
MAR 4712 Healthcare Marketing 3 hrs
MAR 4715 Entertainment Marketing 3 hrs
MAR 4724 Strategic Foundations in Global E-Business 3 hrs
MAR 4803 Marketing Management 3 hrs
MAR 4804 Marketing Strategy 3 hrs
MAR 4841 Services Marketing 3 hrs
MAR 4934 Contemporary Marketing Topics in Florida 3 hrs
Minors

Mathematics - Minor
College of Sciences
Department of Mathematics,
Math and Physics, Room: 207
http://math.ucf.edu
E-mail: martin@math.ucf.edu
Dr. Heath Martin, MAP 215A
Phone: 407-823-5700

Minor Admission Requirements
- The minor is not open to Mathematics or Math Education majors.

Other 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 maximum of six hours of the listed required or elective courses can count toward another major or minor degree program.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses
- None

Restricted Electives (18 hrs)
- Select at least 6 courses from the following:

Select at least 6 courses from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADV 3008</td>
<td>Principles of Advertising</td>
</tr>
<tr>
<td>ANT 3610</td>
<td>Language and Culture</td>
</tr>
<tr>
<td>COM 3011C</td>
<td>Communication and Human Relations</td>
</tr>
<tr>
<td>COM 3110</td>
<td>Business and Professional Communication</td>
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<tr>
<td>COM 3120</td>
<td>Organizational Communication</td>
</tr>
<tr>
<td>COM 3311</td>
<td>Communication Research Methods</td>
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<tr>
<td>ENC 3211</td>
<td>Theory and Practice of Technical Writing</td>
</tr>
<tr>
<td>EXP 3404</td>
<td>Basic Learning Processes</td>
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<tr>
<td>HSA 3111</td>
<td>U.S. Health Care Systems</td>
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<tr>
<td>MAN 4720</td>
<td>Strategic Management</td>
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<tr>
<td>PHI 3803</td>
<td>Philosophy and Creativity</td>
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<tr>
<td>PPE 3003</td>
<td>Personality Theory</td>
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<tr>
<td>PSY 3213C</td>
<td>Research Methods in Psychology</td>
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<tr>
<td>RTV 3007</td>
<td>Development and Structure of Electronic Media and New Technology</td>
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<tr>
<td>SOP 304</td>
<td>Social Psychology</td>
</tr>
<tr>
<td>SPC 3301</td>
<td>Interpersonal Communication</td>
</tr>
<tr>
<td>SPC 4331</td>
<td>Nonverbal Communication</td>
</tr>
<tr>
<td>SPC 4426</td>
<td>Group Dynamics</td>
</tr>
<tr>
<td>STA 4102</td>
<td>Computer Processing of Statistical Data</td>
</tr>
<tr>
<td>SYA 4300C</td>
<td>Research Methods</td>
</tr>
</tbody>
</table>

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 without departmental permission.

Mass Communication - Minor
College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu
Ms. Rebecca Morales, rmorales@mail.ucf.edu
Phone: 407-823-2681

Minor Admission Requirements
- Not open to Ad/PR, Journalism, or Radio/TV majors.

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 in the minor.
- At least 12 hours used in the minor must be earned at UCF within the School of Communication.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses
- None

Restricted Electives (18 hrs)
- Select at least 6 courses from the following:

Select at least 6 courses from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADV 3008</td>
<td>Principles of Advertising</td>
</tr>
<tr>
<td>COM 3330</td>
<td>Computer Mediated Communication</td>
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<td>FIL 2030</td>
<td>History of Motion Pictures</td>
</tr>
<tr>
<td>FIL 3006</td>
<td>Art of the Cinema</td>
</tr>
<tr>
<td>JOU 3004</td>
<td>History of American Journalism</td>
</tr>
<tr>
<td>MMC 2004</td>
<td>Mass Media</td>
</tr>
<tr>
<td>MMC 3200</td>
<td>Mass Communication Law</td>
</tr>
<tr>
<td>MMC 3420</td>
<td>Mass Media Research Methods</td>
</tr>
<tr>
<td>MMC 4300</td>
<td>International Media</td>
</tr>
<tr>
<td>PUR 4000</td>
<td>Public Relations</td>
</tr>
<tr>
<td>RTV 3007</td>
<td>Development and Structure of Electronic Media and New Technology</td>
</tr>
<tr>
<td>RTV 3200</td>
<td>Production Fundamentals and Aesthetics of Electronic Media</td>
</tr>
<tr>
<td>RTV 4403</td>
<td>Electronic Media, Technology, and Society</td>
</tr>
</tbody>
</table>

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 without departmental permission.

1 This course may be waived by the Department Standards Committee for a student with adequate high school preparation in calculus. The student would increase Restricted Electives’ hours accordingly to earn the hours required in the minor.
2 This course may be waived by the Department Standards Committee for a student with adequate high school preparation in calculus. The student would increase Restricted Electives’ hours accordingly to earn the hours required in the minor.
Minors

Restricted Electives (6 hrs)
- The Restricted Electives must be taken from the Department of Mathematics at UCF and must include one course at the 4000-5000 level.
- Select two from the following list of options:
  - MAA XXXX (any 3000, 4000, or 5000 level course, except as noted below)
  - MAD XXXX (any 3000, 4000, or 5000 level course)
  - MAP XXXX (any 3000, 4000, or 5000 level course, except as noted below)
  - MAS XXXX (any 3000, 4000, or 5000 level course, except as noted below)
  - MTG XXXX (any 3000, 4000, or 5000 level course)
- Any mathematics Honors courses that are approved for this purpose by the Department Standards Committee.

NOTE: The following course is NOT acceptable as a restricted elective.
- MAP 3401 Problem Analysis 3 hrs
You may select either course if desired, but not both.
- MAS 3105 Matrix and Linear Algebra or 4 hrs
- MAS 3106 Linear Algebra 4 hrs
You may select either sequence, but not both.
- MAA 4226 Advanced Calculus I and 4 hrs
- MAA 4227 Advanced Calculus II 3 hrs
  or
- MAA 5210 Topics in Advanced Calculus 3 hrs

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.

Mathematics Education - Minor

College of Education

Department of Teaching and Learning Principles, Education Building, Room: 209
http://education.ucf.edu/mathed/
Dr. Janet Andreason, ED 123Q, jandreas@mail.ucf.edu
Dr. Erhan Haciomeroglu, ED 115L, erhansh@mail.ucf.edu, 407-823-4336
Phone: 407-823-5430

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.

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 community college or state university

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (19 hrs)
- EDF 4467 Learning Theory and Assessment 3 hrs
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- MAE 4360 Mathematics Instructional Analysis 4 hrs
- MAE 4634 Programs in Teaching of Mathematics 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
- 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 mathematics as co-requisites
- At least 12 hours in the minor must be earned at UCF

Medical Anthropology - Minor

College of Sciences

Department of Anthropology, Howard Phillips Hall, Room: 309
http://anthropology.cos.ucf.edu/
E-mail: anthro@mail.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.

Other 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 (12 hrs)
- Complete all of the following:
  - ANT 2410 Cultural Anthropology 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

Restricted Electives, Group A: 3 hrs
- Select one course from the list below:
  - ANT 3241 Magic, Ritual, and Belief 3 hrs
  - ANT 3302 Sex, Gender and Culture 3 hrs
  - ANT 4457 Nutritional Anthropology 3 hrs
  - ANT 4516 Human Biological Diversity 3 hrs
  - ANT 4580 Anthropological Perspectives on Human Growth 3 hrs

Restricted Electives, Group B: 6 hrs
- Select two courses from the list below:
  - ANT 3148 Life and Death in Ancient Egypt 3 hrs
  - ANT 3541 Biobehavioral Anthropology 3 hrs
  - ANT 3701 Applied Anthropology 3 hrs
ANT 4013  Anthropological Perspectives on Fast Food  3 hrs
ANT 4184  Mortuary Archaeology  3 hrs
ANT 4521C  Forensic Anthropology  3 hrs
ANT 4525C  Human Osteology  4 hrs
ANT 4802  Ethnographic Field Methods  3 hrs
May substitute a health-related course from another department with permission from Anthropology.

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 21

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: 417G
http://www.english.cah.ucf.edu/
Tison Pugh, 407-823-6041

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

Other Requirements
■ None

Prerequisite Courses
■ Students are responsible for meeting any prerequisites for the courses in the minor.

Required Courses (6 hrs)
■ Select two courses from the following:
  1. ENL 4311  Chaucer  3 hrs
  1. ENL 4333  Shakespeare Studies  3 hrs
  1. ENL 4341  Milton and His Age  3 hrs
  EUH 3122  Medieval Society and Civilization  3 hrs
  HUM 3435  Medieval Humanities  3 hrs

  1 Only one of these three courses will count towards required courses

Restricted Electives (12 hrs)
■ Select no more than two from each disciplinary group:

Department of Art
ARH 4200  Medieval Art  3 hrs
ARH 4310  Italian Renaissance Art  3 hrs

Department of English
ENL 4220  English Renaissance Poetry and Prose  3 hrs
ENL 4311  Chaucer  3 hrs
ENL 4333  Shakespeare Studies  3 hrs
ENL 4341  Milton and His Age  3 hrs

Department of History
AMH 4110  Colonial America, 1607-1763  3 hrs
AMH 4112  The Atlantic World  3 hrs
EUH 3122  Medieval Society and Civilization  3 hrs
EUH 3124  The Crusades  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

Medieval and Renaissance Studies - Minor
College of Arts and Humanities
Department of Modern Languages
FRW 3100  Survey of French Literature I  3 hrs
ITT 3443  Dante’s Inferno  3 hrs
ITW 3100  Survey of Italian Literature I  3 hrs
LAT 1120C  Elementary Latin Language and Civilization I  4 hrs
LAT 1121  Elementary Latin Language and Civilization II  4 hrs
SPW 3100  Survey of Spanish Literature I  3 hrs
SPW 3370  Spanish Short Story  3 hrs
SPW 4310  Golden Age Drama  3 hrs
SPW 4322  Contemporary Iberian Theatre  3 hrs
SPW 4604  Cervantes  3 hrs

Department of Music
MUH 4322  Medieval and Renaissance Music  3 hrs

Department of Philosophy
HUM 3435  Medieval Humanities  3 hrs
PHH 3200  Medieval Philosophy  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 15 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 - Minor
College of Arts and Humanities
Program in Middle Eastern Studies, Colbourn Hall, Room: 411J
Dr. Husain Kassim, 407-823-2803

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

Other Requirements
■ None

Prerequisite Courses
■ None

Required Courses (9 hrs)
ASH 3223  The Modern Middle East  3 hrs
CP0 3403  Politics of the Middle East  3 hrs
HUM 3419  Islamic Thought and Culture  3 hrs

Restricted Electives (12 hrs)
■ Additional courses may be used only with prior permission of the program director.
■ Although not required, students are strongly encouraged to complete at least one year of Arabic (ARA 1120C, 1121) and/or Hebrew (HBR 1120,1121)
ARA 2200  Intermediate Arabic Language and Civilization  3 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 3124  The Crusades  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

ASH 3223  The Modern Middle East  3 hrs
CP0 3403  Politics of the Middle East  3 hrs
HUM 3419  Islamic Thought and Culture  3 hrs

Restricted Electives (12 hrs)
■ Additional courses may be used only with prior permission of the program director.
■ Although not required, students are strongly encouraged to complete at least one year of Arabic (ARA 1120C, 1121) and/or Hebrew (HBR 1120,1121)
### Minors

#### Foreign Language Requirements
- None

#### Total Semester Hours Required
- 21

#### Other Requirements
- Students who are also minoring or completing a certificate in Judaic Studies may not have more than 3 credits that are counted in both programs.
- At least 15 hours used to satisfy this minor must be at the upper division level.
- A grade of "C" or above (2.0) is required in each course for 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.

### Military Science - Minor

**College of Engineering and Computer Science**

**Army ROTC, Army ROTC, Room: 501**

LTC Sean Morgan  
Phone: 407-823-1872

#### Minor Admission Requirements
- None

#### Other Requirements
- None

#### Prerequisite Courses
- None

#### Required Courses (16 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>MSL 3201C</td>
<td>Leadership and Problem Solving</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MSL 3202C</td>
<td>Leadership and Ethics</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MSL 4301C</td>
<td>Leadership and Management</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MSL 4302C</td>
<td>Officership</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

#### Restricted Electives (3 hrs)

- Select one of the following
  - AMH 3541 U.S. Military History To 1900 3 hrs
  - AMH 3547 U.S. Military History Since 1900 3 hrs

#### 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 less than "C" -(1.75) are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department.
- Internship credit can be used toward the minor.

### Molecular Biology and Microbiology - 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](http://www.biomed.ucf.edu)

**E-mail: bcbsinfo@mail.ucf.edu**

Dr. P.E. Kolattukudy, Chair  
Phone: 407-823-5932

#### Minor Admission Requirements
- None

#### Other Requirements
- None

#### Prerequisite Courses
- None

#### Required Courses (23 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 2010C</td>
<td>Biology I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>BSC 3403C</td>
<td>Quantitative Biological Methods</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MCB 3020C</td>
<td>General Microbiology</td>
<td>5 hrs</td>
</tr>
<tr>
<td>PCB 3233L</td>
<td>Immunology Laboratory</td>
<td>1 hr</td>
</tr>
<tr>
<td>PCB 3522</td>
<td>Molecular Biology I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 4524</td>
<td>Molecular Biology II</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

- Select 1: 3 hrs
  - PCB 3233 Immunology or
  - PCB 4239 Molecular Immunology

#### 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.

### Music - Minor

**College of Arts and Humanities**

**Department of Music, Colburn Hall, Room: 205A**


Kirk Gay, kgay@mail.ucf.edu, 407-823-5968

#### Minor Admission Requirements
- None

#### Other Requirements
- None

#### Prerequisite Courses
- None

#### Required Courses (11 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUT 1121</td>
<td>Music Theory and Musicianship I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MUT 1122</td>
<td>Music Theory and Musicianship II</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

- Select 1: 3 hrs
  - MUH 2017 Survey of Rock Music or
  - MUH 2019 American Popular Music, 1840s-present or
The requirements for each are as follows:

either the Generalist Emphasis or the Public Affairs Emphasis.

- **Minor Admission Requirements**

  - None

- **Other Requirements**

  - Students must earn a “C” (2.0) or better in each course in the minor.

- **Prerequisite Courses**

  - None

  - **Required Courses**

    - PAD 3930  American Humanities Human Service Workshop  1 hr
    - PAD 4144  Non-Profit Organizations  3 hrs
    - PAD 4048  American Humanities Internship  3 hrs

  1. One credit hour repeated three semesters

  2. Internships within other programs may be accepted with prior approval of American Humanities advisor

  - **Restricted Electives**

    - 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**

  - ACG 2021  Principles of Financial Accounting or  3 hrs
  - ACG 2071  Principles of Managerial Accounting or  3 hrs
  - MAN 3025  Management of Organizations or  4 hrs
  - PAD 4131  Public Sector Project Management or  3 hrs
  - PAD 4153  Planning and Improvement for Pub Org or  3 hrs
  - PAD 4204  Fiscal Management or  3 hrs
  - PAD 4325  Program Evaluation for Public and Non-Profit Organizations or  3 hrs
  - PAD 5850  Grant and Contract Management or  3 hrs
  - SOW 5401  Social Work Research  3 hrs

#### Select 1:

- **Group II: Human Development and Human Resource Development and Volunteerism**

  - DEP 2004  Developmental Psychology or  3 hrs
  - DEP 3646  Psychology of Aging or  3 hrs
  - EDG 4941  Directed Field Experience or  1 hr
  - MAN 3301  Management of Human Resources or  3 hrs
  - MAN 4101  Human Relations in Management or  3 hrs
  - MAN 4320  Human Resources Recruitment and Selection or  3 hrs
  - PAD 4148  Volunteer Management or  3 hrs
  - PAD 4414  Public Personnel Administration or  3 hrs
  - SOW 3104  Assessing I: Human Development or  3 hrs
  - SOW 3203  Social Work & Community Resources or  3 hrs

#### Select 1:

- **Group III: Communication & Marketing and Fund Raising Principles & Practices**

  - COM 3110  Business and Professional Communication or  3 hrs
  - GEB 3031  Cornerstone: Professional Skills for Business or  3 hrs
  - MAR 3023  Marketing or  4 hrs
  - MAR 3641  Marketing Intelligence or  3 hrs
  - MAR 4803  Marketing Management or  3 hrs
  - PAD 4147  Resource Development in the Nonprofit Sector or  3 hrs
  - SOW 3352  Practice II: Interpersonal Skills in Social Work or  3 hrs
  - SPC 3301  Interpersonal Communication  3 hrs

  1. Course has prerequisites or may be closed to students in the major. Please see catalog for details.

### Public Affairs Emphasis

- Choose at least 3 courses from the following:

  - PAD 4131  Public Sector Project Management  3 hrs
  - PAD 4147  Resource Development in the Nonprofit Sector  3 hrs
  - PAD 4148  Volunteer Management  3 hrs
  - PAD 4153  Planning and Improvement for Pub Org  3 hrs
  - PAD 4204  Fiscal Management  3 hrs
  - PAD 4223  Public Budgeting, Skills and Techniques  3 hrs
  - PAD 4253  Community & Economic Development  3 hrs
  - PAD 4325  Program Evaluation for Public and Non-Profit Organizations  3 hrs

  1. Course has prerequisites or may be closed to students in the major. Please see catalog for details.

### Foreign Language Requirements

- None

### Total Semester Hours Required

- 18
Minors

Other Requirements
- Enrollment in American Humanics Certification Program through AH program office.
- Attendance at one national American Humanics Management Institute (additional fees).
- Membership in UCF American Humanics Student Association.
- Students must earn a “C” (2.0) or better in each course in the minor.

North American Indian Studies - Minor
College of Sciences
Department of Anthropology, Howard Phillips Hall, Room: 309
http://www.cos.ucf.edu/anthropology
E-mail: anthropology@ucf.edu
Dr. Rosalyn Howard
Phone: 407-823-2227

The North American Indian Studies minor will enhance a student’s understanding and appreciation of the history and culture of the North American Indians. The minor is especially appropriate for all UCF undergraduates.

Minor Admission Requirements
- Interview with the North American Indian Studies Director.
- The minor is not open to Anthropology majors.

Other Requirements
- Consultation with the Director to develop a program of study and plan course selections.
- Final approval of the minor is contingent upon completion of a thesis paper under the guidance of a faculty research director.
- 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.

Prerequisite Courses
- Students must satisfy a course’s prerequisites before enrolling in the class.

Required Courses (3 hrs)
ANT 4910 Research

Restricted Electives (15 hrs)
- Courses used in the minor must be taken in at least two departments. Select from the following list.
  - AMH 3411 History of the Frontier: Eastern America 3 hrs
  - AMH 4110 Colonial America, 1607-1763 3 hrs
  - AMH 4112 The Atlantic World 3 hrs
  - AML 3640 Native American Literature 3 hrs
  - ANT 3152 Indians of the Southwest 3 hrs
  - ANT 3158 Florida Archaeology 3 hrs
  - ANT 3245 Native American Religions 3 hrs
  - ANT 3311 Indians of the Southeastern United States 3 hrs
  - ANT 3312 Ethnology of North American Indians 3 hrs
  - ANT 3313 Indians of North America High Plains 3 hrs
  - ANT 3314 Indians of the Northeast Woodlands 3 hrs
  - ANT 3318 Indians of the Northwest Coast 3 hrs
  - ANT 3398 Black/Seminole Relations 3 hrs
  - ANT 4144 Prehistory of North America 3 hrs
  - ANT 4153 North American Archaeology 3 hrs
  - ANT 4906 Directed Independent Study 1 hr
  - PHS 3701 Native American Philosophy 3 hrs
  - SYD 3751 North American Indian Women Today 3 hrs
  - SYD 3752 Modern Law in Indian Country 3 hrs

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.

Philosophy - Minor
College of Arts and Humanities
Department of Philosophy,
Psychology Building, Room: 220
http://www.philosophy.cah.ucf.edu/
E-mail: philosophy@mail.ucf.edu
Jennifer Mundale, 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

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (15 hrs)
- Select one course from each of the following groups:

  Reasoning
  Select 1: 3 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
  Select 1: 3 hrs
  PHI 3100 Ancient Philosophy or 3 hrs
  PHI 3200 Medieval Philosophy or 3 hrs
  PHI 3460 Modern Western Philosophy or 3 hrs
  PHI 3600 Contemporary Philosophy 3 hrs

  Values and Society
  Select 1: 3 hrs
  PHI 3701 Native American Philosophy or 3 hrs
  PHI 3625 Virtual Ethics or 3 hrs
  PHI 3626 Advanced Ethics in Science and Technology or 3 hrs
  PHI 3638 Ethical Issues in the 21st Century or 3 hrs
  PHI 3640 Environmental Ethics or 3 hrs
  PHI 3670 Ethical Theory or 3 hrs
  PHI 3800 Aesthetics or 3 hrs
  PHI 3805 Contemporary Aesthetics or 3 hrs
  PHI 4633 Ethics and Biological Science or 3 hrs
  PHM 3100 Freedom and Justice or 3 hrs
  PHM 3213 Feminist Theories or 3 hrs
  PHM 3401 Philosophy of Law or 3 hrs
  PHM 4031 Environmental Philosophy 3 hrs

  Being and Knowing
  Select 1: 3 hrs
  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 3700 Philosophy of Religion or 3 hrs
  PHI 4221 Philosophy of Language or 3 hrs
  PHI 4300 Theories of Knowledge or 3 hrs
  PHI 4341 Ways of Knowing or 3 hrs
  PHI 4400 Philosophy of Science or 3 hrs
  PHI 4420 Philosophy of Social Science or 3 hrs
  PHI 4500 Metaphysics or 3 hrs
  PHP 4782 Phenomenology 3 hrs
### Philosophy, Religion and Popular Culture - Minor

**College of Arts and Humanities**

**Department of Philosophy,**  
Psychology Building, Room: 220  
http://www.philosophy.cah.ucf.edu/  
E-mail: philosophy@mail.ucf.edu  
Doug Evans (Orlando Campus), 407-823-2273  
Shelley Park, (Cocoa Campus), 321-433-7919

The Philosophy, Religion, and Popular Culture minor examines popular culture through the critical lenses of philosophy and religious studies. Students interested in the Interdisciplinary Studies major may find this minor particularly helpful. In consultation with a departmental advisor, students will select courses in accordance with the distributions listed below.

**Minor Admission Requirements**  
- None

**Other Requirements**  
- None

**Prerequisite Courses**  
- None

**Required Courses**  
- None

**Topics in Philosophy**

<table>
<thead>
<tr>
<th>Select 1:</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHI 3022</td>
<td>Sexuality, Gender &amp; Philosophy or 3 hrs</td>
</tr>
<tr>
<td>PHI 3033</td>
<td>Philosophy, Religion, and the Environment or 3 hrs</td>
</tr>
<tr>
<td>PHI 3648</td>
<td>Ethical Implications of the Human Genome Project or 3 hrs</td>
</tr>
<tr>
<td>PHI 3683</td>
<td>Philosophy of Friendship or 3 hrs</td>
</tr>
<tr>
<td>PHI 3720</td>
<td>Faith and Reason or 3 hrs</td>
</tr>
<tr>
<td>PHI 3750</td>
<td>The Problem of Evil or 3 hrs</td>
</tr>
<tr>
<td>PHI 3803</td>
<td>Philosophy and Creativity or 3 hrs</td>
</tr>
<tr>
<td>PHI 3941</td>
<td>Philosophy Practicum or 3 hrs</td>
</tr>
<tr>
<td>PHI 4321</td>
<td>Philosophies of Embodiment: Mind/Body/Self or 3 hrs</td>
</tr>
<tr>
<td>PHI 4804</td>
<td>Critical Theory or 3 hrs</td>
</tr>
<tr>
<td>PHI 4931</td>
<td>Philosophy in the News or 3 hrs</td>
</tr>
<tr>
<td>PHP 3783</td>
<td>Modernity as a Philosophical Problem or 3 hrs</td>
</tr>
<tr>
<td>PHP 3786</td>
<td>Existentialism or 3 hrs</td>
</tr>
<tr>
<td>REL 3111</td>
<td>Religion and Philosophy Through Film 3 hrs</td>
</tr>
</tbody>
</table>

**Restricted Electives**  
- Must consult an advisor for approved courses in this area.
- Note: Appropriate Special Topics in Philosophy may be substituted for some core courses with prior approval by departmental advisor.

**Foreign Language Requirements**  
- None

**Total Semester Hours Required**  
- 21

**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 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 approval by the Chair.
- Any substitutions must be approved by the department prior to being taken.

**Theoretical Foundations**

<table>
<thead>
<tr>
<th>Take all of the following:</th>
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<tbody>
<tr>
<td>PHI 3684</td>
<td>Ways of Living and 3 hrs</td>
</tr>
<tr>
<td>PHI 4341</td>
<td>Ways of Knowing 3 hrs</td>
</tr>
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</table>

**Philosophy**

<table>
<thead>
<tr>
<th>Select 1:</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHI 2101</td>
<td>Formal Logic I or 3 hrs</td>
</tr>
<tr>
<td>PHI 3670</td>
<td>Ethical Theory or 3 hrs</td>
</tr>
<tr>
<td>PHI 3700</td>
<td>Philosophy of Religion or 3 hrs</td>
</tr>
<tr>
<td>PHI 3720</td>
<td>Faith and Reason or 3 hrs</td>
</tr>
<tr>
<td>PHI 3800</td>
<td>Aesthetics or 3 hrs</td>
</tr>
<tr>
<td>PHI 4300</td>
<td>Theories of Knowledge or 3 hrs</td>
</tr>
<tr>
<td>PHI 4804</td>
<td>Critical Theory or 3 hrs</td>
</tr>
<tr>
<td>PHP 3100</td>
<td>Freedom and Justice or 3 hrs</td>
</tr>
<tr>
<td>PHP 3786</td>
<td>Existentialism 3 hrs</td>
</tr>
</tbody>
</table>

**Religion**

<table>
<thead>
<tr>
<th>Select 1:</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLT 3378</td>
<td>Comparative Mythology or 3 hrs</td>
</tr>
<tr>
<td>HUM 3417</td>
<td>Hindu Thought and Culture or 3 hrs</td>
</tr>
<tr>
<td>HUM 3419</td>
<td>Islamic Thought and Culture or 3 hrs</td>
</tr>
<tr>
<td>HUM 3552</td>
<td>Christian Thought or 3 hrs</td>
</tr>
<tr>
<td>HUM 3553</td>
<td>Moses, Jesus and Muhammad or 3 hrs</td>
</tr>
<tr>
<td>HUM 4303</td>
<td>The Spiritual Ideal or 3 hrs</td>
</tr>
<tr>
<td>HUM 4554</td>
<td>Religious Quest and Human Dilemma or 3 hrs</td>
</tr>
<tr>
<td>PHI 3750</td>
<td>The Problem of Evil 3 hrs</td>
</tr>
</tbody>
</table>

**Popular Culture Studies**

<table>
<thead>
<tr>
<th>Select at least one course from Contemporary Forms of Life</th>
<th>9 hrs</th>
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</thead>
<tbody>
<tr>
<td>HUM 3320</td>
<td>Contemporary Multicultural Studies or 3 hrs</td>
</tr>
<tr>
<td>HUM 4330</td>
<td>Performance Theory or 3 hrs</td>
</tr>
<tr>
<td>HUM 4556</td>
<td>Religion and the Arts or 3 hrs</td>
</tr>
<tr>
<td>PHI 3625</td>
<td>Virtual Ethics or 3 hrs</td>
</tr>
<tr>
<td>PHI 4931</td>
<td>Philosophy in the News or 3 hrs</td>
</tr>
<tr>
<td>POS 3235</td>
<td>Mass Media and Politics or 3 hrs</td>
</tr>
<tr>
<td>POS 3258</td>
<td>Politics in Film or 3 hrs</td>
</tr>
<tr>
<td>REL 3111</td>
<td>Religion and Philosophy Through Film or 3 hrs</td>
</tr>
<tr>
<td>REL 3115</td>
<td>Religion, Spirituality, and Popular Music or 3 hrs</td>
</tr>
<tr>
<td>SYP 3630</td>
<td>Popular Culture In Society 3 hrs</td>
</tr>
</tbody>
</table>

**Contemporary Media**

<table>
<thead>
<tr>
<th>Select 1:</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>HUM 3320</td>
<td>Contemporary Multicultural Studies or 3 hrs</td>
</tr>
<tr>
<td>HUM 4330</td>
<td>Performance Theory or 3 hrs</td>
</tr>
<tr>
<td>HUM 4556</td>
<td>Religion and the Arts or 3 hrs</td>
</tr>
<tr>
<td>PHI 3625</td>
<td>Virtual Ethics or 3 hrs</td>
</tr>
<tr>
<td>PHI 4931</td>
<td>Philosophy in the News or 3 hrs</td>
</tr>
<tr>
<td>POS 3235</td>
<td>Mass Media and Politics or 3 hrs</td>
</tr>
<tr>
<td>POS 3258</td>
<td>Politics in Film or 3 hrs</td>
</tr>
<tr>
<td>REL 3111</td>
<td>Religion and Philosophy Through Film or 3 hrs</td>
</tr>
<tr>
<td>REL 3115</td>
<td>Religion, Spirituality, and Popular Music or 3 hrs</td>
</tr>
<tr>
<td>SYP 3630</td>
<td>Popular Culture In Society 3 hrs</td>
</tr>
</tbody>
</table>

**Contemporary Forms of Life**

<table>
<thead>
<tr>
<th>Select 1:</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 3302</td>
<td>Sex, Gender and Culture or 3 hrs</td>
</tr>
<tr>
<td>HUM 3320</td>
<td>Contemporary Humanities or 3 hrs</td>
</tr>
<tr>
<td>PHI 3022</td>
<td>Sexuality, Gender &amp; Philosophy or 3 hrs</td>
</tr>
<tr>
<td>PHI 3033</td>
<td>Philosophy, Religion, and the Environment or 3 hrs</td>
</tr>
<tr>
<td>PHI 3629</td>
<td>Family Values or 3 hrs</td>
</tr>
<tr>
<td>PHI 3683</td>
<td>Philosophy of Friendship or 3 hrs</td>
</tr>
<tr>
<td>PHI 4321</td>
<td>Philosophies of Embodiment: Mind/Body/Self or 3 hrs</td>
</tr>
<tr>
<td>PHP 3123</td>
<td>Feminist Theories or 3 hrs</td>
</tr>
<tr>
<td>PHP 3401</td>
<td>Philosophy of Law or 3 hrs</td>
</tr>
<tr>
<td>REL 3131</td>
<td>Religion in America 3 hrs</td>
</tr>
</tbody>
</table>

**Restricted Electives**  
- None

**Foreign Language Requirements**  
- None

**Total Semester Hours Required**  
- 21
Minors

Physics - Minor
College of Sciences
Department of Physics, Math and Physics, Room: 310
http://www.physics.ucf.edu
E-mail: physics@ucf.edu
Dr. Talat Rahman
Phone: 407-823-2325

Minors

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.

Required Courses

PHY 2048C Physics for Engineers & Scientists I 4 hrs
PHY 2049C Physics for Engineers and Scientists II 4 hrs
PHY 3101 Physics for Engineers and Scientists III 3 hrs

Restricted Electives

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.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Political Science - Minor
College of Sciences
Department of Political Science, Howard Phillips Hall, Room: 302
http://www.cos.ucf.edu/politicalscience
E-mail: politics@ucf.edu
Dr. Roger Handberg
Phone: 407-823-2608

Political Science - Minor

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 within the department of Political Science.

Prerequisite Courses

- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses

POS 2041 American National Government 3 hrs

Restricted Electives

- Only three hours of the following course may be used:
  POS 4941L 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.
- Internship, 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://www.cos.ucf.edu/politicalscience
E-mail: politics@ucf.edu
Dr. Roger Handberg
Phone: 407-823-2608

Minor Admission Requirements

- Students who double minor in Political Science/PreLaw and International and Global Studies shall not count more than one course toward both programs.

Required Courses

POS 2041 American National Government 3 hrs
POS 4284 Judicial Process and Politics 3 hrs
**Minors**

**Psychology - Minor**

**College of Sciences**

Department of Psychology,  
Psychology Building, Room: 301  
http://www.psych.ucf.edu/  
E-mail: psychadvising@mail.ucf.edu

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.

**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 permission.

**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSY 3204C</td>
<td>Statistical Methods in Psychology</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

**Select one statistics course:**

<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 or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Statistical Methods I</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Restricted Electives** (12 hrs)

- Select 1: 3 hrs
  - INR 4401  International Law I  3 hrs
  - INR 4402  International Law II or  3 hrs
  - POS 4603  American Constitutional Law or  3 hrs
  - POS 4604  American Constitutional Law II  3 hrs

**Restricted Upper Division Electives** 9 hrs

- Three upper division Political Science courses (courses with prefixes CPO, INR, POS, POT, PUP and one GEO - World Political Geography 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 4941L  Political Science Internship  3 hrs

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 18

**Psychology Advising Center, PSY 250**  
Phone: 407-823-2219

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**Public Administration - Minor**

**College of Health and Public Affairs**

Department of Public Administration,  
Health and Public Affairs II, Room: 238  
E-mail: pa/ba/bs@mail.ucf.edu  
Dr. Michael Abels, 407-823-2604

The Public Administration minor is related to one of the fastest growing fields in the United States today. Students studying Public Administration will gain a greater understanding of tools associated with management of public sector organizations, including fiscal management, survey research, public administration, and human resource management.

**Minor Admission Requirements**

- None

**Other Requirements**

- None
Minors

Prerequisite Courses
- None

Required Courses
- 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 Public Personnel Administration 3 hrs
- PAD 4720 Survey Research in Public Administration 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 21

Other Requirements
- A minimum GPA of 2.0 is required in each course used to satisfy the minor.
- Students must earn at least a 2.0 (“C”) to earn credit.
- 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, Independent Study, or Directed Research credit cannot be used toward the minor without prior approval.
- 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.
- A maximum of 6 hours of required or elective coursework (from Required Courses and Electives above) can count toward another major or minor degree program.

Recreation - Minor

College of Education
Department of Child, Family and Community Sciences, Education Building, Room: 209
Dr. Debby Mitchell, ED 320H, mitchell@mail.ucf.edu
Phone: 407-823-6598

This minor will assist students who wish to work in recreation areas such as YMCA’s, Boys and Girls Clubs, after school programs, sports for children programs, theme park and resort recreation programs. This minor is available for students in the 2007 catalog year and beyond.

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses
- PEO 3041 Games Analysis 3 hrs
- PET 3765 Coaching Theory 3 hrs
- PET 3820 Teaching Sports Skills I 3 hrs
- Select 3: 9 hrs
  - PET 3771 Strength and Conditioning Concepts or 3 hrs
  - PET 4050C Motor Development and Learning or 3 hrs
  - PET 4312 Biomechanics or 3 hrs
  - SPM 3130 Aquatic Management or 3 hrs
  - SPM 3204 Sports and Ethics or 3 hrs
  - SPM 3415 Public Relations in Sport and Fitness 3 hrs

Restricted Electives
- None

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) or “S” grades from other institutions are not accepted.
- Courses taken at community colleges do not substitute for upper division courses.
- A maximum of 6 hours of required or elective coursework (from Required Courses and Electives above) can count toward another major or minor degree program.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Independent Study, or Directed Research 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.
http://www.bus.ucf.edu/realestate/
Phone: 407-823-3575

Open to Business and Non-Business Students. Not available to Real Estate Majors.

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses
- ACG 2021 Principles of Financial Accounting 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs
- ECO 3023 Principles of Macroeconomics 3 hrs
- FIN 2100 Personal Finance and Investments 3 hrs
- FIN 3403C Business Finance 4 hrs
- FIN 3403 Fundamentals of Real Estate 3 hrs
- REE 3433 Real Estate Law 3 hrs

Restricted Electives
- None

Select 2:
- REE 3433 Real Estate Law 3 hrs
- REE 4732 Advanced Topics in Real Estate 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 21

Other Requirements
- A minimum GPA of 2.0 is required in each course used to satisfy the minor.
- Students must earn at least a 2.0 (“C”) to earn credit.
- 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, Independent Study, or Directed Research credit cannot be used toward the minor.
- A maximum of 6 hours of required or elective coursework (from Required Courses and Electives above) can count toward another major or minor degree program.
- 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.
- A maximum of 6 hours of required or elective coursework (from Required Courses and Electives above) can count toward another major or minor degree program.
Religious Studies - Minor  
College of Arts and Humanities  
Department of Philosophy,  
Psychology Building, Room: 220  
http://www.philosophy.cah.ucf.edu/  
E-mail: religion@mail.ucf.edu  
Dr. Claudia Schippert, 407-823-2273  

The religious studies minor provides a limited yet coherent range of courses which introduce the student to a range of religious institutions and ideas. Courses are drawn from the departments of Anthropology, Art, English, History, Judaic Studies, Philosophy, Political Science, Psychology, and Sociology, and are to be selected in consultation with the Religious Studies advisor.

### Minor Admission Requirements
- None

### Other Requirements
- None

### Prerequisite Courses
- None

#### Required Courses
- REL 2300 World Religions 3 hrs

#### Restricted Electives
- (Select from the following courses)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLT 3370</td>
<td>Classical Mythology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CLT 3378</td>
<td>Comparative Mythology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HUM 3320</td>
<td>Contemporary Multicultural Studies</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HUM 3401</td>
<td>Asian Humanities</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HUM 3417</td>
<td>Hindu Thought and Culture</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HUM 3419</td>
<td>Islamic Thought and Culture</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HUM 3552</td>
<td>Christian Thought</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HUM 3553</td>
<td>Moses, Jesus and Muhammad</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HUM 4303</td>
<td>The Spiritual Ideal</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HUM 4230</td>
<td>Performance Theory</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HUM 4554</td>
<td>Religious Quest and Human Dilemma</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3033</td>
<td>Philosophy, Religion, and the Environment</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3838</td>
<td>Ethical Issues in the 21st Century</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3672</td>
<td>Animal Ethics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3684</td>
<td>Ways of Living</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3700</td>
<td>Philosophy of Religion</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 4321</td>
<td>Philosophies of Embodiment: Mind/Body/Self</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 4341</td>
<td>Ways of Knowing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 4804</td>
<td>Critical Theory</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHM 3020</td>
<td>Philosophy of Love</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHM 3100</td>
<td>Freedom and Justice</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHP 3786</td>
<td>Existentialism</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REL 3111</td>
<td>Religion and Philosophy Through Film</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REL 3115</td>
<td>Religion, Spirituality, and Popular Music</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REL 3131</td>
<td>Religion in America</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REL 3340</td>
<td>Buddhist Thought</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REL 3432</td>
<td>Roots of Western Mysticism</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REL 4110</td>
<td>Religion and the Arts</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REL 4180</td>
<td>Religion and Medicine</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Courses offered through other Departments
- NOTE: Other courses, including special topics, may be applied toward the Minor with the approval of the Director.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AML 3615</td>
<td>Harlem, Haiti, and Havana</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3241</td>
<td>Magic, Ritual, and Belief</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3245</td>
<td>Native American Religions</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ASH 3222</td>
<td>Islam and its Empires</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ASH 3223</td>
<td>The Modern Middle East</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3005</td>
<td>Tenets of Judaism</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3125</td>
<td>The Book of Job</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3144</td>
<td>Dead Sea Scrolls</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3401</td>
<td>The Jewish People</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3402</td>
<td>The Jewish People II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3450</td>
<td>Modern Jewish Experience</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3550</td>
<td>Introduction of Modernism into Judaism</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3701</td>
<td>History of the Holocaust</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3751</td>
<td>Literature of the Holocaust</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3810</td>
<td>The Jewish National Movement and Roots of Zionism</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIT 3202</td>
<td>Death and Dying</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIT 4374</td>
<td>Literature of the Bible</td>
<td>3 hrs</td>
</tr>
<tr>
<td>POT 4632</td>
<td>Religion and Politics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYO 4200</td>
<td>Religion in Society</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Foreign Language Requirements
- None

### Total Semester Hours Required
- 21

### 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.

Science Education - Minor  
College of Education  
Department of Teaching and Learning Principles,  
Education Building, Room: 209  
http://education.ucf.edu/science/  
Dr. Aldrin Sweeney, ED 123L, asweeney@mail.ucf.edu  
Dr. Janet Anderson, ED 123Q, jandreas@mail.ucf.edu,  
407-823-5430  
Phone: 407-823-2561  

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.

### Minor Admission Requirements
- None

### Other 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 community college or state university

### Prerequisite Courses
- None

#### Required Courses
- (19 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDP 4467</td>
<td>Learning Theory and Assessment</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDG 4410</td>
<td>Teaching Strategies and Classroom Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RED 4043</td>
<td>Content Reading in Kindergarten through Grade 12</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SCE 4360</td>
<td>Science Instructional Analysis</td>
<td>4 hrs</td>
</tr>
<tr>
<td>SCE 4360</td>
<td>Science Instructional Analysis</td>
<td>4 hrs</td>
</tr>
<tr>
<td>TSL 4080</td>
<td>Theory and Practice of Teaching ESOL</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TSL 4080</td>
<td>Students in Schools</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Restricted Electives
- None
Minors

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
- At least 12 hours in the minor must be earned at UCF

Secure Computing and Networks - Minor

College of Engineering and Computer Science
School of Electrical Engineering and Computer Science, Engineering, Room: 107
http://www.cecs.ucf.edu
Ms. Kim Small, ksmall@mail.ucf.edu, 407-823-2455

Minor Admission Requirements

- None

Other Requirements

- None

Prerequisite Courses

- None

Required Courses (6 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 3360</td>
<td>Security in Computing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CIS 3362</td>
<td>Cryptography and Information Security</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Restricted Electives (12 hrs)

- Elective Courses: Select any four courses from the following list.

Select 4:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 4361</td>
<td>Secure Operating Systems and Administration</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CIS 4615</td>
<td>Secure Software Development and Assurance</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CNT 4403</td>
<td>Network Security and Privacy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CNT 4703C</td>
<td>Design and Implementation of Computer Communication Networks</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CNT 4704</td>
<td>Analysis of Computer Communication Networks</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 4600</td>
<td>Operating Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 4781</td>
<td>Computer Communication Networks</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Foreign Language Requirements

- None

Total Semester Hours Required

- 19

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
Department of Teaching and Learning Principles, Education Building, Room: 209
http://education.ucf.edu/ssed/
Dr. Scott Waring, ED 206J, swaring@mail.ucf.edu, 407-823-1766
Dr. Janet Andreasen, ED 123Q, jandreas@mail.ucf.edu, 407-823-5430

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.

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 community college or state university

Other Requirements

- None

Prerequisite Courses

- None

Required Courses (19 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 4457</td>
<td>Learning Theory and Assessment</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDG 4410</td>
<td>Teaching Strategies and Classroom Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RED 4043</td>
<td>Content Reading in Kindergarten through Grade 12</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SSE 4361</td>
<td>Social Science Instructional Analysis</td>
<td>4 hrs</td>
</tr>
<tr>
<td>SSE 4936</td>
<td>Programs in Teaching Social Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TSL 4080</td>
<td>Theory and Practice of Teaching ESOL Students in Schools</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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
- At least 12 hours in the minor must be earned at UCF

Social Sciences - Interdisciplinary - Minor

College of Sciences
Department of Sociology, Howard Phillips Hall, Room: 403
http://sociology.ucf.edu/
E-mail: sociology@ucf.edu
Dr. Jay Corzine
Phone: 407-823-3744

Minor Admission Requirements

- The minor is not open to Social Sciences majors.

Other Requirements

- Students must earn a grade “C” or above (2.0) in each course used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF.
- At least 18 hours must be upper division classes.
Minors

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (3 hrs)
- One method course, selected from the three immediately below

Select 1: 3 hrs
- POS 3703 Scope and Methods of Political Science or 3 hrs
- PSY 3213C Research Methods in Psychology or 5 hrs
- SYA 4300C Research Methods 4 hrs

Restricted Electives (18 hrs)
- Select a minimum of six hours in each of three different disciplines below. The courses below cannot overlap with your major discipline.

Communication
- Economics
- Political Science
- Public Administration
- Psychology
- Sociology & Anthropology

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.

Sociology - Minor
College of Sciences
Department of Sociology, Howard Phillips Hall, Room: 403
http://sociology.ucf.edu/
E-mail: sociology@ucf.edu
Dr. Jay Corzine
Phone: 407-823-3744

Minor Admission Requirements
- The minor is not open to Sociology majors.

Other Requirements
- Students must earn a minimum GPA of at least 2.0 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 department of Sociology.
- 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.

Required Courses (3 hrs)
- SYG 2000 Introduction to Sociology 3 hrs

Restricted Electives (15 hrs)

Restricted Electives 3 hrs
- 2000-4000 level Sociology courses

Restricted Upper Division Electives 12 hrs
- 3000-4000 level Sociology courses

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Co-op or internship credit cannot be used toward the minor.

Spanish - Minor
College of Arts and Humanities
Department of Modern Languages and Literatures, Colbourn Hall, Room: 523
http://mll.cah.ucf.edu/
E-mail: forlang@mail.ucf.edu
Dr. Paul Giordano, 407-823-2472

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses
- None

Restricted Electives (18 hrs)
- A native or near-native speaker must substitute an alternate upper division course for the advanced oral communication course.
- Approval of a departmental advisor is required prior to registration.
- Select six upper division courses in Spanish, including the following courses:
  - SPN 3300 Advanced Spanish Grammar and Composition 3 hrs
  - SPN 3420 Spanish Composition 3 hrs
  - SPN 3760 Advanced Spanish Oral Communication 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

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.
- 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

Sport Business Management (SPB): Business Minor
- Minor
College of Business Administration
DeVos Sport Business Management, Business Administration II, Room: 205
http://www.bus.ucf.edu
Dr. C. Keith Harrison, Faculty Coordinator for SPB Minor, kharri-son@bus.ucf.edu, 407-823-1158

Open to Business majors only. Minor will only be awarded at the
time of business degree completion. A 2.5 GPA in the minor is
required in order to receive this minor.

Minor Admission Requirements
■ Completion of Common Program Prerequisites and Admission to a major within the College of Business Administration

Other Requirements
■ None

Prerequisite Courses
■ None

Required Courses
(12 hrs)
MAR 4711 Sport Marketing 3 hrs
SPB 3003 Introduction to Sport Business Management 3 hrs
SPB 3603 Diversity and Social Issues in Sport Business Management 3 hrs
SPB 3823 The Role of Business Entrepreneurship in Sports/Entertainment 3 hrs

Restricted Electives
(6 hrs)
1 GEB 4824 Business Law in Sport & Entertainment 3 hrs
MAN 4701 Business Ethics and Society 3 hrs
SPB 4304 Sports Event and Facility Management 3 hrs
SPB 4804 Sports Business and Media 3 hrs

1 Business Law in Sport & Entertainment

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ SPB 3003 is the prerequisite for all other required and restricted elective courses in the minor. However, juniors and seniors may take SPB 3823 before taking SPB 3003.
■ Students must have sophomore, junior or senior standing to enroll in SPB 3003.
■ Students must have sophomore, junior or senior standing to enroll in SPB 3823.
■ Students must have junior or senior standing to enroll in SPB 3823.
■ Students must earn a grade of a “C” (2.0) or better, or an “S” grade, in courses within the minor in order to take additional courses in the minor.
■ 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 Business Management Minor program.
■ A maximum of six credit hours of the above-listed required or elective courses can count toward another major or minor degree program.

Sport Business Management (SPB): Minor for Non-Business Majors - Minor
College of Business Administration
DeVos Sport Business Management, Business Administration II, Room: 205
http://www.bus.ucf.edu
Dr. C. Keith Harrison, Faculty Coordinator for SPB Minor, kharri-son@bus.ucf.edu, 407-823-1158

Open to Non-Business Majors only. A 2.5 GPA in the minor is
required in order to receive this minor.

Minor Admission Requirements
■ None

Other Requirements
■ None

Prerequisite Courses
(7 hrs)
FIN 2100 Personal Finance and Investments 3 hrs
MAR 3023 Marketing 4 hrs

Required Courses
(12 hrs)
MAR 4711 Sport Marketing 3 hrs
SPB 3003 Introduction to Sport Business Management 3 hrs
SPB 3603 Diversity and Social Issues in Sport Business Management 3 hrs
SPB 3823 The Role of Business Entrepreneurship in Sports/Entertainment 3 hrs

Restricted Electives
(6 hrs)
GEB 4824 Business Law in Sport & Entertainment 3 hrs
SPB 4304 Sports Event and Facility Management 3 hrs
SPB 4804 Sports Business and Media 3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ SPB 3003 is the prerequisite for all other required and restricted elective courses in the minor. However, juniors and seniors may take SPB 3823 before taking SPB 3003.
■ Students must have sophomore, junior or senior standing to enroll in SPB 3003.
■ Students must have junior or senior standing to enroll in SPB 3823.
■ Students must earn a grade of “C” (2.0) or better, or an “S” grade, in courses within the minor in order to take additional courses in the minor.
■ 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 Business Management Minor program.
■ A maximum of six credit hours of the above-listed required or elective 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/
E-mail: statistics@ucf.edu
Dr. David Nickerson
Phone: 407-823-2289

Minor Admission Requirements
- The minor is not open to Statistics majors.

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 of Statistics.

Prerequisite Courses
- Students must satisfy each course's prerequisites before enrolling in the class.

Required Courses (9 hrs)
- STA 4163 Statistical Methods II 3 hrs
- STA 4164 Statistical Methods III 3 hrs
- Select 1: 3 hrs
  - STA 2023 Statistical Methods I or
  - STA 3032 Probability and Statistics for Engineers 3 hrs

Restricted Electives (9 hrs)
- Select from upper division STA prefix courses taught within the Statistics Department.
- The following course cannot be used as a restricted elective:
  - STA 3032 Probability and Statistics for Engineers 3 hrs

Technical Education and Industry Training - Minor
College of Education
Department of Teaching and Learning Principles,
Education Building, Room: 209
http://education.ucf.edu/teched/
E-mail: jwhitema@mail.ucf.edu
Dr. Jo Ann M. Whiteman, ED 115D
Phone: 407-823-5569

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 intended for students admitted to a degree program in the College of Education and does not lead to teacher certification or admission to the College of Education. All courses are offered solely using the Web. This minor is available for students in the 2003 catalog year and beyond.

Minor Admission Requirements
- Must be Junior standing

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (18 hrs)
- ADE 4382 Teaching Adult Learners in Technical Programs 3 hrs
- EVT 3062 Professional Role of the Vocational Teacher 3 hrs
- EVT 3367 Evaluation of Vocational Instruction 3 hrs
- EVT 4065 Principles and Practices of Technical Education 3 hrs
- EVT 4169 Curriculum Development Techniques for Industry Training 3 hrs
- EVT 4368 Advanced Teaching Techniques for Vocational Education 3 hrs

Restricted Electives
- None

Total Semester Hours Required
- 18

Foreign Language Requirements
- None

The Technological Entrepreneurship Minor offers students an opportunity to blend deep discipline-specific expertise with broad entrepreneurial thinking skills. Combining disciplinary depth with entrepreneurial breadth promotes the introduction of innovations to society and creates economic rewards to those who champion those innovations. This minor will prepare students in any engineering, science, technology or business discipline to create, enhance or manage a technology venture. Topics covered would include evaluating opportunities for commercializing innovations, analyzing markets and competitors, assessing options for protecting intellectual property, and exploring options for establishing and financing technology ventures.

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (9 hrs)
- GEB 3113 How to Start a Business 3 hrs
- GEB 4110 Business Plan Preparation 3 hrs
- GEB 4152 Technological Entrepreneurship 3 hrs

Restricted Electives (9 hrs)
Innovation Design or Research Sequence 6 hrs
- Any 6-credit sequence approved by the program coordinator in coordination with faculty in partner discipline that addresses discipline-specific innovation and commercialization processes. These may include senior design courses, capstone research sequences, or relevant honors theses. Examples of approved course sequences for the minor include:

All engineering, interdisciplinary students (e.g., business): 6 hrs
- EGN 4412C  Interdisciplinary Design I and 3 hrs
- EGN 4413C  Interdisciplinary Design II 3 hrs

BSEE, BSCPE:
- EEL 4914  Senior Design I and 3 hrs
- EEL 4915L  Senior Design II 3 hrs

BSME:
- EML 4501C  Engineering Design I and 3 hrs
- EML 4502C  Engineering Design II 3 hrs

BSCE:
- CCE 4810C  Construction Design Project and 3 hrs
- CEG 4801C  Geotechnical Engineering Design 3 hrs

BSAE:
- EAS 4700C  Aerospace Design I and 3 hrs
- EAS 4710C  Aerospace Design II 3 hrs

Discipline-Specific or Experiential Sequence 3 hrs
- Any 3-credit discipline-specific or experiential learning entrepreneurship course sequence approved by the program coordinator in coordination with faculty in partner discipline. Examples would include discipline-specific entrepreneurship courses like Engineering Entrepreneurship (EGN 4641C), internships in small or technology-based companies, lecture series, or field research courses that specifically address entrepreneurship or innovation.

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.
- Students must consult theatre advisor every semester.

Urban and Regional Planning - Minor
College of Health and Public Affairs
Department of Public Administration, Health and Public Affairs II, Room: 238
E-mail: pa/ba/bs@mail.ucf.edu
Jay Jurie, 407-823-2604

Urban and regional planning is one area of public administration that has seen considerable growth over the past few years. Areas like Central Florida need many professionals who assist government, communities, and private sector planning organizations to provide growth that is environmentally feasible, aesthetically attractive, socially and politically acceptable, technically sustainable, and economically dynamic. This minor looks at all of these diverse and competing interests, and provides the basics for those interested in employment in this area of great demand. Students who pursue a minor in urban and regional planning may find positions as a city planner, urban designer, planning specialist, environmental program manager, or economic development specialist, among others.

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (15 hrs)
- THE 2304  Script Analysis 3 hrs
- THE 3311  Theatre History and Dramatic Literature I 3 hrs
- TPA 2201  Technical Theatre Production 2 hrs
- TPA 2201L  Technical Theatre Production Lab 1 hr
- TPP 2101  Fundamentals of Acting 3 hrs

Select 1: 3 hrs
- THE 2000  Theatre Survey 3 hrs
- THE 2020  Survey of Theatre for Majors 3 hrs

Restricted Electives (3 hrs)
- Any DAA, DAN, THE, TPA, or TPP course taught by the theatre department and approved by the Undergraduate Coordinator in the Theatre department. Courses with these prefixes not taught by the Department of Theatre cannot be used in this program.

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.
- Students must consult theatre advisor every semester.

Theatre Department
College of Arts and Humanities
Department of Theatre, UTC, Room: 180
http://www.theatre.cah.ucf.edu
E-mail: theatre@cah.ucf.edu
Earl Weaver, eweaver@mail.ucf.edu, 407-823-2862

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (15 hrs)
- THE 2304  Script Analysis 3 hrs
- THE 3311  Theatre History and Dramatic Literature I 3 hrs
- TPA 2201  Technical Theatre Production 2 hrs
- TPA 2201L  Technical Theatre Production Lab 1 hr
- TPP 2101  Fundamentals of Acting 3 hrs

Select 1: 3 hrs
- THE 2000  Theatre Survey 3 hrs
- THE 2020  Survey of Theatre for Majors 3 hrs

Restricted Electives (3 hrs)
- Any DAA, DAN, THE, TPA, or TPP course taught by the theatre department and approved by the Undergraduate Coordinator in the Theatre department. Courses with these prefixes not taught by the Department of Theatre cannot be used in this program.

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.
- Students must consult theatre advisor every semester.

Theatre Department
College of Arts and Humanities
Department of Theatre, UTC, Room: 180
http://www.theatre.cah.ucf.edu
E-mail: theatre@cah.ucf.edu
Earl Weaver, eweaver@mail.ucf.edu, 407-823-2862

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (15 hrs)
- THE 2304  Script Analysis 3 hrs
- THE 3311  Theatre History and Dramatic Literature I 3 hrs
- TPA 2201  Technical Theatre Production 2 hrs
- TPA 2201L  Technical Theatre Production Lab 1 hr
- TPP 2101  Fundamentals of Acting 3 hrs

Select 1: 3 hrs
- THE 2000  Theatre Survey 3 hrs
- THE 2020  Survey of Theatre for Majors 3 hrs

Restricted Electives (3 hrs)
- Any DAA, DAN, THE, TPA, or TPP course taught by the theatre department and approved by the Undergraduate Coordinator in the Theatre department. Courses with these prefixes not taught by the Department of Theatre cannot be used in this program.

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.
- Students must consult theatre advisor every semester.

Theatre Department
College of Arts and Humanities
Department of Theatre, UTC, Room: 180
http://www.theatre.cah.ucf.edu
E-mail: theatre@cah.ucf.edu
Earl Weaver, eweaver@mail.ucf.edu, 407-823-2862

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (15 hrs)
- THE 2304  Script Analysis 3 hrs
- THE 3311  Theatre History and Dramatic Literature I 3 hrs
- TPA 2201  Technical Theatre Production 2 hrs
- TPA 2201L  Technical Theatre Production Lab 1 hr
- TPP 2101  Fundamentals of Acting 3 hrs

Select 1: 3 hrs
- THE 2000  Theatre Survey 3 hrs
- THE 2020  Survey of Theatre for Majors 3 hrs

Restricted Electives (3 hrs)
- Any DAA, DAN, THE, TPA, or TPP course taught by the theatre department and approved by the Undergraduate Coordinator in the Theatre department. Courses with these prefixes not taught by the Department of Theatre cannot be used in this program.

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.
- Students must consult theatre advisor every semester.
Women's Studies - Minor

The Women's Studies minor provides students with an opportunity to learn about women's historical and contemporary roles, 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 the departments and schools, including Anthropology, Art, Communication, Criminal Justice and Legal Studies, Film, English, Exceptional and Physical Education, Health Professions and Physical Therapy, History, Philosophy, Political Science, Psychology, Nursing, Social Work, Sociology, Theatre, and the Women's Studies Program.

Minor Admission Requirements

- None

Other Requirements

- None

Prerequisite Courses

- None

Required Courses

- WST 3015 Introduction to Women's Studies 3 hrs

Select 1:

- Select one course from the Theories Group:
  - LIT 4554 Advanced Feminist Theories or 3 hrs
  - PHM 3123 Feminist Theories or 3 hrs
  - WST 3522 First and Second Wave Feminisms or 3 hrs
  - WST 3561 Third Wave Feminisms or 3 hrs
  - WST 3621 Theories of Masculinity or 3 hrs
  - WST 4349 Ecofeminism or 3 hrs
  - WST 4415 Global and Transnational Feminism 3 hrs

Restricted Electives

- Students should complete at least two of their four Elective courses from 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

- WST 3020 Girls' Studies 3 hrs
- WST 3371 Women and Leadership 3 hrs
- WST 3460 Womaniast Studies 3 hrs
- WST 3500 Gender Issues and Community Activism 3 hrs
- WST 3522 First and Second Wave Feminisms 3 hrs
- WST 3621 Theories of Masculinity 3 hrs
- WST 4002 Researching Women and Gender 1 hr
- WST 4021 Girls and Leadership 3 hrs
- WST 4349 Ecofeminism 3 hrs
- WST 4415 Global and Transnational Feminism 3 hrs

Women's History

- AMH 3561 Women in American History I 3 hrs
- AMH 3562 Women in American History II 3 hrs
- ASH 4304 Women in China 3 hrs
- EUH 4610 Women in European Society: From Medieval to Modern 3 hrs

Representations of Women

- AML 3283 Contemporary American Women's Fiction 3 hrs
- ARH 4871 Women in Art 3 hrs
- COM 4014 Gender Issues in Communication 3 hrs
- FIL 3880C Images of Women in Film 3 hrs
- LIT 3383 Women in Literature 3 hrs
- LIT 3823 Hispanic Women Writers 3 hrs
- PHI 3022 Sexuality, Gender & Philosophy 3 hrs

Women's Wellness

- CLP 3184 Women's Mental Health 3 hrs
- NSP 4425 Women's Health Issues 3 hrs
- SOP 3742 Psychology of Women 3 hrs

Select 1:

- PEM 2405 Self Defense for Women and Men or 3 hrs
- SOP 2772 Sexual Behavior 3 hrs

Women and Social Policy

- ANT 3302 Sex, Gender and Culture 3 hrs
- ANT 4308 Gender Issues in Latin America 3 hrs
- CCJ 4670 Women and Crime 3 hrs
- CCJ 4681 Domestic Violence and the Justice System 3 hrs
- CPO 4710 Women in Comparative Politics 3 hrs
- INR 4085 Women, Gender, and Globalization 3 hrs
- PUP 3325 Women and Political Behavior 3 hrs
- PUP 4323 Women and Public Policy 3 hrs
- SYD 3751 North American Indian Women Today 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
- SYO 4100 Family Trends 3 hrs

Foreign Language Requirements

- None

Other Requirements

- A minimum grade of "C" (2.0) is required in each course used to satisfy the minor.
- No credit by exam (TSD, military credit) may be used.
- 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.

Total Semester Hours Required

- 21

- 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

Office of Undergraduate Studies
Office of Interdisciplinary Studies,
Classroom I, Room: 302
http://www.is.ucf.edu
E-mail: is@mail.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

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (3 hrs)
IDS 3333 World Comparative Studies 3 hrs

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 adviser. 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, with 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.

AML 3615 Harlem, Haiti, and Havana 3 hrs
ANT 3145 Archaeology of Complex Societies 3 hrs
ANT 3212 Peoples of the World 3 hrs
ANT 3319 Anthropology of Diaspora 3 hrs
ANT 3610 Language and Culture 3 hrs
ANT 4702 Culture, Power and Development 3 hrs
FSS 3008 Culture and Cuisine 3 hrs
HFT 3868 History and Culture of Wine 3 hrs
HFT 4866C Exploring Wines of the World 3 hrs
HFT 4894 International Gastronomy 3 hrs
HUM 3419 Islamic Thought and Culture 3 hrs

Economics
ANT 4702 Culture, Power and Development 3 hrs
ECO 3703 International Microeconomics 3 hrs
ECO 4701 Seminar in Global Economic Policy 3 hrs
ECO 4713 International Macroeconomics 3 hrs
ECP 3302 Economics and the Environment 3 hrs
ECS 4013 Development Economics 3 hrs
HFT 3700 Tourism Management 3 hrs
INR 4035 International Political Economy 3 hrs

Biological and Geophysical Environment
ECO 3302 Economics and the Environment 3 hrs
ENV 3001 Introduction to Environmental Engineering 3 hrs
GIS 3043C GIS for Environmental Studies 3 hrs
GIS 4035C Remote Sensing of the Environment 3 hrs
HFT 4735 Tourism Geography 3 hrs
IDS 3150 Foundations of Environmental Studies 3 hrs
INR 4351 International Environmental Law 3 hrs
PHE 3033 Philosophy, Religion, and the Environment 3 hrs
PHE 3640 Environmental Ethics 3 hrs
SYD 4510 Environment and Society 3 hrs

Social Structure and Change
ANT 3145 Archaeology of Complex Societies 3 hrs
ANT 3273 Law and Culture 3 hrs
ANT 4702 Culture, Power and Development 3 hrs
PLA 4830 World Legal Systems 3 hrs
SYD 4454 Global Inequality and Society 3 hrs

Media and Communication
COM 4461 Intercultural Communication 3 hrs
FIL 3842 International Cinema 3 hrs
FIL 3845 World Cinema Traditions 3 hrs
FIL 4844 Africana Cinema 3 hrs
LIN 4643 Cross Cultural Communication 3 hrs
THE 4212 Global Theatre 3 hrs

World Independent Specialization
- Any five upper division courses from the approved list of courses in any thematic concentration may be selected for this option with approval 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.
## Aging Studies - Certificate

**College of Health and Public Affairs**  
**School of Social Work, Health and Public Affairs I,**  
**Room: 204**  
**E-mail: socialwk@mail.ucf.edu**  
**BSW Coordinator**  
**Phone: 407-823-2114**

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. The certificate may be completed as a fully web-based program. 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 course of study.
- 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 2001: Gerontology: An Interdisciplinary Overview 3 hrs

#### Required Internship: (Select one) 3 hrs
- HSA 4941: Internship 3 hrs
- SOW 4510: Field Education 9 hrs

#### Restricted Electives (9 hrs)
- Students select three additional courses from the following courses: A maximum of two courses in their College must be taken and at least one course must be outside their college.

#### College of Health and Public Affairs 6 hrs
- HSA 3222: Long Term Care and Administration 3 hrs  
- HSA 4220: Long Term Patient Management 3 hrs  
- HSC 4564: Health Care Needs of the Elderly 3 hrs  
- NUR 4286: Gerontologic Nursing 3 hrs  
- PLA 4530: Legal Issues of the Elderly 3 hrs  
- SOW 3740: Social Work Practice with Loss & Life's Transitions 3 hrs  
- SOW 4645: Social Services for the Elderly 3 hrs

#### Other Colleges 3 hrs
- DEP 3464: Psychology of Aging 3 hrs  
- GEY 5007: Women and Healthy Aging 3 hrs  
- SYP 4730: Patterns of Aging in Society 3 hrs  
- SYP 4732: Minority Aging 3 hrs

#### Foreign Language Requirements
- None

### Total Semester Hours Required
- 15

### Other Requirements
- A minimum GPA of 2.0 required in all courses used to satisfy the certificate.
- Grades less than “C” (2.0) are not accepted.
- 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.
- Independent Study cannot be used toward the certificate.

## Behavioral Forensics - Certificate

**College of Sciences**  
**Department of Psychology,**  
**Psychology Building, Room: 301**  
**http://www.psych.ucf.edu/**

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 (9 hrs)
- Students must satisfy each course’s prerequisites before enrolling in the class.

#### Select 1: 3 hrs
- Complete one introductory course:
  - PSY 2012: General Psychology or SYG 2000: Introduction to Sociology

#### Take all of the following: 6 hrs
- Complete both classes:
  - PPE 3003: Personality Theory and SYP 3510: Sociology of Deviant Behavior

#### Required Courses (9 hrs)
- Complete both classes:
  - 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.

#### From Psychology, select one of the following: 3 hrs
- CLP 3143: Abnormal Psychology 3 hrs  
- CLP 3302: Clinical Psychology 3 hrs  
- CLP 4134: Childhood Psychopathology 3 hrs  
- PCO 4203: Interviewing and Counseling 4 hrs
Certificates

From Sociology, select two of 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

From Criminal Justice, select one of the following: 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
CJE 4012 Criminal Profiling in Criminal Justice 3 hrs
CJE 4630 Serial Murder and Criminal Justice 3 hrs

Prerequisite Courses

None

Required Courses (18 hrs)

Select 1: 9 hrs
1. SOW 4510 Field Education or 9 hrs
2. SOW 4941 Internship 9 hrs

1. (for full-time students ONLY)
2. (for part-time students over two semesters)

Restricted Electives

None

Foreign Language Requirements

None

Total Semester Hours Required

18

Other Requirements

None

College of Health and Public Affairs
Department of Criminal Justice and Legal Studies, Health and Public Affairs I, Room: 311
E-mail: cjadvise@mail.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

None

Prerequisite Courses

None

Required Courses (9 hrs)

CCJ 4076 Crime Analysis II 3 hrs
CCJ 3662 CJ Information Technology and Data Management 3 hrs
CJE 4663 Crime Analysis I 3 hrs

Restricted Electives (6 hrs)

Select two of the following: (9 hrs)
CCJ 3450 The Criminal Justice Manager 3 hrs
CCJ 3451 Justice System Technology 3 hrs
CCJ 3444 Crime Prevention 3 hrs
CJE 4352 Policy Development in Law Enforcement 3 hrs
CJE 4572 Justice Agency Operations 3 hrs
CJE 4654 Crime and Place 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 within the Department of Criminal Justice
No credit by exam (TSD, Military credit) may be used
Internship or Independent Study credit may not be used toward the program
Crime Scene Investigation - Certificate
College of Health and Public Affairs
Department of Criminal Justice and Legal Studies, Health and Public Affairs I, Room: 311
Department of Anthropology, Phillips Hall, Room: 403
David Fabianic, fabianic@mail.ucf.edu, 407-823-2603
Dr. John Schultz, jschultz@mail.ucf.edu, 407-823-2618
Mary Ann Eastep, cjadvise@mail.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
- None

Required Courses (12 hrs)
- Note: some courses have limited offerings, and should be taken when available.
  ANT 4183 Archaeological Sciences 3 hrs
  ANT 4521C Forensic Anthropology 3 hrs
  CJE 4012 Criminal Profiling in Criminal Justice 3 hrs
  CJE 4610 Criminal Investigation 3 hrs

Restricted Electives (3 hrs)
- Select one of the following courses:
  ANT 3115 Archaeological Method and Theory 3 hrs
  ANT 4528C Advanced Forensic Anthropology 5 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
  CLP 3511 Sociology of Murder 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- Course substitutions must be approved by both departments in advance.

Cultural Tourism - Certificate
Office of Undergraduate Studies
Office of Interdisciplinary Studies,
Classroom I, Room: 302
E-mail: is@mail.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)
- Select one of the following:
  ANT 4195 Interviews & Interrogations in CJ 3 hrs
  CJE 4610 Criminal Investigation 3 hrs
  DSC 4012 Terrorism 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- Course substitutions must be approved by both departments.

Criminal Profiling - Certificate
College of Health and Public Affairs
Department of Criminal Justice and Legal Studies, Health and Public Affairs I, Room: 311
David Fabianic, fabianic@mail.ucf.edu, 407-823-2603
Mary Ann Eastep, cjadvise@mail.ucf.edu, 407-823-2603

New and more sophisticated techniques and tools of criminal investigation are being developed to assist in meeting the challenges facing today’s law enforcement officers. One area that is becoming formalized in law enforcement is criminal profiling. The certificate program in Criminal Profiling is a way of organizing the fundamental information and education required for profiling. It provides both the theoretical and practical information related to the types of crimes for which profiling is most useful. 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
- None

Prerequisite Courses
- None

Required Courses (12 hrs)
- Select one of the following:
  ANT 4195 Interviews & Interrogations in CJ 3 hrs
  CJE 4610 Criminal Investigation 3 hrs
  DSC 4012 Terrorism 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the certificate.

Certificates
Certificates

Restricted Electives (6 hrs)
- Choose two classes from one of the following areas:
  - African American Heritage area (choose two classes)
    - AFA 3104 The Black Intellectual Experience 3 hrs
    - AFA 4105 Documenting African American 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 2410 Cultural Anthropology 3 hrs
    - ANT 3115 Archaeological Method and Theory 3 hrs
  - Environmental Tourism area (choose two classes)
    - BOT 3152C Local Flora 3 hrs
  - Latin American area (choose two classes)
    - ANT 3163 Mesoamerican Archaeology 3 hrs
    - ANT 3168 Maya Archaeology 3 hrs
  - Environmental 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.

Diplomacy - Certificate
College of Sciences
Department of Political Science, Phillips Hall, Room: 302
Department of History, Colburn Hall, Room: 551
http://www.cos.ucf.edu/politicalscience

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.

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: 1945-Present 3 hrs
- INR 4030 Diplomacy 3 hrs
- INR 4102 American Foreign Policy 3 hrs

Restricted Electives (6 hrs)
Select two courses from the following list:
- 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

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

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.

Educational Studies - Certificate
College of Education
Department of Educational Studies, Education Building, Room: 220B
http://education.ucf.edu/es/
E-mail: wwise@mail.ucf.edu
Dr. W. Scott Wise, ED 220B
Phone: 407-823-1502

The Educational Studies certificate is intended to provide for students outside the College of Education a limited but substantial experience in the fields of professional education. Students who successfully complete this certificate can expect to increase their marketability in careers that include educational components such as instructing, training, and lecturing. This certificate is designed to promote student success on the Florida Teacher Certification Exams but does not qualify students for teacher certification or admission into the College of Education. An Educational Studies minor that includes a sixth course is also an option. This certificate is available for students in the 2007 catalog year and beyond.

Certificate Admission Requirements
- None

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (12 hrs)
- EDF 4467 Learning Theory and Assessment 3 hrs
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
Certificates

Restricted Electives (3 hrs)
Choose one:
- LAE 4342 Programs in Teaching Language and Composition 3 hrs
- LAE 4464 Survey of Adolescent Literature 3 hrs
- MAE 4634 Programs in Teaching of Mathematics 3 hrs
- SCE 4361 Programs in Teaching Science 3 hrs
- SSE 4936 Programs in Teaching Social Science 3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 15

Other Requirements

- A grade of "C" (2.0) or better is required in each course used to satisfy the certificate.
- A minimum GPA of 2.5 of all Gordon Rule classes is required.
- At least 9 hours used in the certificate must be earned at UCF.
- No credit by exam (CLEP, Military credit) may be used.
- Completion of the certificate does not complete the requirements for teacher certification nor does it constitute admission to the College of Education.

Finance: Banking - 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 Financial Accounting Concepts and Analysis 3 hrs
- ACG 3141 Intermediate Financial Accounting II 3 hrs
- FIN 4324 Commercial Bank Management 3 hrs

Select 1:
- FIN 4941 Finance Internship or
- MAR 3391 Professional Selling

Restricted Electives

- None

Foreign Language Requirements

- None

Total Semester Hours Required

- 12

Other Requirements

- 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 Financial Accounting Concepts and Analysis 3 hrs
- ACG 3141 Intermediate Financial Accounting II 3 hrs
- FIN 3414 Intermediate Corporate Finance 3 hrs
- FIN 4941 Finance Internship 3 hrs

Finance: Investments - Certificate
College of Business Administration
Department of Finance, Business Administration I,
Room: 409
http://www.bus.ucf.edu/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 3504 Investment Analysis 3 hrs
- FIN 4514 Portfolio Analysis and Management 3 hrs
- FIN 4533 Financial Derivatives 3 hrs
- FIN 4941 Finance Internship 3 hrs
Certificates

Restricted Electives
- None

Foreign Language Requirements
- None

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
E-mail: judaicst@mail.ucf.edu
Dr. Moshe Pelli, 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 with the Interdisciplinary Studies and Women’s Studies programs. The certificate in Judaic Studies will be awarded to students completing 15 hours in the following Judaic Studies courses.

Certificate Admission Requirements
- None

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (15 hrs)

<table>
<thead>
<tr>
<th>Language</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>HBR 1120</td>
<td>Elementary Modern Hebrew Language and Culture I</td>
<td>4 hrs</td>
<td></td>
</tr>
<tr>
<td>HBR 1121</td>
<td>Elementary Modern Hebrew Language and Culture II</td>
<td>4 hrs</td>
<td></td>
</tr>
<tr>
<td>HBR 2200</td>
<td>Intermediate Modern Hebrew I</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>HBR 2201</td>
<td>Intermediate Modern Hebrew II</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>HBR 3250</td>
<td>Biblical Hebrew</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>HBR 3410</td>
<td>Conversational Israeli Hebrew</td>
<td>3 hrs</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Jewish History</th>
<th></th>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>JST 3401</td>
<td>The Jewish People I</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>JST 3402</td>
<td>The Jewish People II</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>JST 3415</td>
<td>American Jewish History</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>JST 3481</td>
<td>20th Century Jewish History and Thought</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>JST 3550</td>
<td>Introduction to Modernism into Judaism</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>JST 3701</td>
<td>History of the Holocaust</td>
<td>3 hrs</td>
<td></td>
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<table>
<thead>
<tr>
<th>Bible</th>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>JST 3120</td>
<td>Hebrew Scriptures</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>JST 3125</td>
<td>The Book of Job</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>JST 3126</td>
<td>Romantic Love in the Bible</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>JST 3144</td>
<td>Dead Sea Scrolls</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>JST 3190</td>
<td>The Biblical Prophets</td>
<td>3 hrs</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Literature</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>JST 3100</td>
<td>The Hebrew Creative Mind</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>JST 3312</td>
<td>Identity and Genre</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>JST 3751</td>
<td>Literature of the Holocaust</td>
<td>3 hrs</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Jewish Civilization</th>
<th></th>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>JST 3005</td>
<td>Tenets of Judaism</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>JST 3121</td>
<td>Classic Texts of Judaism</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>JST 3210</td>
<td>Kabbalah: Jewish Mysticism</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>JST 3620</td>
<td>Contemporary Jewish Ethics and Morality</td>
<td>3 hrs</td>
<td></td>
</tr>
</tbody>
</table>

Other courses, including special topics, with the approval of the Director

Culture
- JST 3450 | Modern Jewish Experience | 3 hrs |
- JST 3810 | The Jewish National Movement and Roots of Zionism | 3 hrs |
- JST 3820 | Modern Hebrew Culture | 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.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the certificate.

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/comdis
E-mail: advising@mail.ucf.edu

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 in Communication Sciences and Disorders but are 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 Development and Disorders</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LIN 3673</td>
<td>Grammar &amp; Advanced Prose Style</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>LIN 3716</td>
<td>Language Development</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>LIN 3716L</td>
<td>Language Development Lab</td>
<td>2 hrs</td>
<td></td>
</tr>
<tr>
<td>SPA 4400</td>
<td>Language Disorders Across the Life Span</td>
<td>3 hrs</td>
<td></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.
- At least 10 hours used in the program must be earned at UCF with the Department of Communication Sciences and Disorders.
- No credit by exam (TSD, Military credit) internship or independent study may be used toward the certificate.
Leadership Studies - Certificate
Office of Undergraduate Studies
Office of Interdisciplinary Studies,
Classroom I, Room: 302
http://www.is.ucf.edu
E-mail: is@mail.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)

Foundation Requirement 4 hrs
LDR 2001 Foundations of Leadership 2 hrs
1 LDR 2002 Intermediate Foundations of Leadership 2 hrs
1 PR: LDR 2001

Restricted Requirements 9 hrs
- Choose one course from three of the areas below:

Communication 3 hrs
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 3 hrs
INP 3004 Industrial/Organizational Psychology or 3 hrs
INP 4313 Organizational Psychology or 3 hrs
MAN 3025 Management of Organizations or 4 hrs
MAN 4240 Organizations: Theory and Behavior or 3 hrs
1 SPC 4426 Group Dynamics 3 hrs

Social Relations and Culture 3 hrs
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 Cross Cultural Psychology or 3 hrs
SOP 3742 Psychology of Women or 3 hrs
SOP 3784 Psychology of Diversity 3 hrs

Politics 3 hrs
PAD 3003 Public Administration in American Society or 3 hrs
PAD 4104 Administrative Theory or 3 hrs
PAD 4144 Non-Profit 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 3 hrs
BUL 3130 Legal and Ethical Environment of Business or 4 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
1 PR: COM 3311

Marketing: e-Marketing - Certificate
College of Business Administration
Department of Marketing, Business Administration II, Room: 307S

Certificates will be awarded only at the time of Marketing degree completion.

Certificate Admission Requirements
- Restricted to Marketing majors
- These six hours count as the six elective marketing hours required in the major

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (6 hrs)
MAR 3721 E-Marketing 3 hrs
1 MAR 4941 Marketing Internship 3 hrs
1 Internship in “e”-related position. Certificate attainment is subject to the availability of internship opportunities in the area of interest.

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 6

Marketing: Entertainment Marketing - Certificate
College of Business Administration
Department of Marketing, Business Administration II, Room: 307S

Certificates will be awarded only at the time of Marketing degree completion.

Certificate Admission Requirements
- Restricted to Marketing majors
- These six hours count as the six elective marketing hours required in the major.

Certificate Requirements
- None

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 6

Other Requirements
- None
### Certificates

<table>
<thead>
<tr>
<th>Certificate</th>
<th>Required Courses</th>
<th>Prerequisite Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Marketing: Healthcare Marketing - Certificate</td>
<td>MAR 4712 Healthcare Marketing</td>
<td>None</td>
</tr>
<tr>
<td></td>
<td>MAR 4941 Marketing Internship</td>
<td>None</td>
</tr>
<tr>
<td>Marketing: Retailing Management - Certificate</td>
<td>MAR 3403 Sales Force Management</td>
<td>None</td>
</tr>
<tr>
<td></td>
<td>MAR 4941 Marketing Internship</td>
<td>None</td>
</tr>
<tr>
<td>Marketing: Selling and Sales Management - Certificate</td>
<td>MAR 4231 Retailing Management</td>
<td>None</td>
</tr>
<tr>
<td></td>
<td>MAR 4941 Marketing Internship</td>
<td>None</td>
</tr>
</tbody>
</table>

#### Prerequisite Courses

- None

#### Required Courses

- **6 hrs**
  - MAR 4712 Healthcare Marketing 3 hrs
  - MAR 4941 Marketing Internship 3 hrs

1 Internship in healthcare-related position. Certificate attainment is subject to the availability of internship opportunities in the area of interest.

- **6 hrs**
  - MAR 4231 Retailing Management 3 hrs
  - MAR 4941 Marketing Internship 3 hrs

1 Internship in retail-related position. Certificate attainment is subject to the availability of internship opportunities in the area of interest.

- **6 hrs**
  - MAR 3403 Sales Force Management 3 hrs
  - MAR 4941 Marketing Internship 3 hrs

1 Internship in sales-related position. Certificate attainment is subject to the availability of internship opportunities in the area of interest.

#### Other Requirements

- None

#### Certificate Admission Requirements

- Restricted to Marketing majors.
- These six hours count as the six elective marketing hours required in the major.
### Marketing: Services Marketing - Certificate

**College of Business Administration**
**Department of Marketing, Business Administration II, Room: 307S**

Certificates will be awarded only at the time of Marketing degree completion.

**Certificate Admission Requirements**
- Restricted to Marketing majors
- These six hours count as the six elective marketing hours required in the major.

**Certificate Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses** (6 hrs)
- MAR 4841 Services Marketing 3 hrs
- 1 MAR 4941 Marketing Internship 3 hrs

1 Internship in services-related position. Certificate attainment is subject to the availability of internship opportunities in the area of interest.

**Restricted Electives**
- None

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 6

**Other Requirements**
- None

### Marketing: Sport Marketing Management - Certificate

**College of Business Administration**
**Department of Marketing, Business Administration II, Room: 307S**

Certificates will be awarded only at the time of Marketing degree completion.

**Certificate Admission Requirements**
- Restricted to Marketing majors
- These six hours count as the six elective marketing hours required for the major.

**Certificate Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses** (6 hrs)
- MAR 4711 Sport Marketing 3 hrs
- 1 MAR 4941 Marketing Internship 3 hrs

1 Internship in sports-related position. Certificate attainment is subject to the availability of internship opportunities in the area of interest.

**Restricted Electives**
- None

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 6

**Other Requirements**
- None

### Military Science - Certificate

**College of Engineering and Computer Science**
**Army ROTC, BLDG 501**

LTC Bryce Christensen, 407-823-1872

Students enrolled in the UCF Army ROTC Military Science Program who are contracted under a three semester option prior to Commissioning will be eligible for a Military Science Certificate in Military Studies. Application for a Military Science Certificate will be approved by the Military Science Department Chair once a contracted Cadet completes the 12 credit hours of MSL Advanced Course instruction and the 3 credit hour Military History Course for a combined total of 15 credit hours in Military Science. 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)
- AMH 3547 U.S. Military History Since 1900 3 hrs
- MSL 4301C Leadership and Management 4 hrs
- MSL 4302C Officership 4 hrs

**Select 1:**
- MSL 3201C Leadership and Problem Solving or 4 hrs
- MSL 3202C Leadership and Ethics 4 hrs

**Restricted Electives**
- None

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 15

**Other Requirements**
- A minimum GPA of 2.0 is required in all courses used to satisfy the certificate.
- Grades less than "C-" (1.75) are not accepted.
- No credit by exam (TSD, Military Credit) may be used.
- Internship or Independent Study credit can be used toward the certificate.
- Students earning the Military Science Minor are not eligible for this certificate.

### Nonprofit Management - Certificate

**College of Health and Public Affairs**
**Department of Public Administration, Health and Public Affairs II, Room: 238**

**http://www.cohpa.ucf.edu/pubadm**

E-mail: pa/ba/bs@mail.ucf.edu

Mary Ann Feldheim, 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
### Certificates

#### Required Courses (15 hrs)
- PAD 4144  Non-Profit Organizations  3 hrs
- PAD 4147  Resource Development in the Nonprofit Sector  3 hrs
- PAD 4148  Volunteer Management  3 hrs
- PAD 4153  Planning and Improvement for Pub Org Organizations  3 hrs
- PAD 4325  Program Evaluation for Public and Non-Profit  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.

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#### Real Estate: Mortgage Brokerage - Certificate

**College of Business Administration**

**Dr. P. Phillips School of Real Estate,** Business Administration II, Room: 101


Restricted to real estate majors. These certificates do not require additional hours beyond the BSBA real estate major program. They are intended to allow students to develop specializations in specific areas of interest and to prepare for licensing exams. Certificates will be awarded only at the time of degree completion.

Completion of this certificate qualifies a student to sit for the Florida mortgage broker’s license.

- **Certificate Admission Requirements**
  - None
- **Certificate Requirements**
  - None
- **Prerequisite Courses**
  - None

#### Required Courses (15 hrs)
- REE 3043  Fundamentals of Real Estate  3 hrs
- REE 3433  Real Estate Law  3 hrs
- REE 4203  Commercial Real Estate Finance  3 hrs
- REE 4204  Residential Real Estate Finance  3 hrs
- Select 1: 3 hrs
  - MAR 3391  Professional Selling  3 hrs
  - REE 4941  Internship  3 hrs

1 Internship must be paid internship in the area of specialization, and should be completed in the senior year after completing at least 6 hours of real estate courses. Internship packets are available in the Department of Finance (BA 409). Certificate attainment is subject to the availability of internship opportunities in the area of interest. A student must have earned an overall GPA of at least 3.0 to qualify for an internship.

#### Restricted Electives
- None

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#### Real Estate: Real Estate Brokerage - Certificate

**College of Business Administration**

**Dr. P. Phillips School of Real Estate,** Business Administration II, Room: 101


*Restricted to real estate majors. These certificates do not require additional hours beyond the BSBA real estate major program. They are intended to allow students to develop specializations in specific areas of interest and to prepare for licensing exams. Certificates will be awarded only at the time of degree completion.*

Completion of this certificate qualifies a student to sit for the Florida real estate sales license.

- **Certificate Admission Requirements**
  - None
- **Certificate Requirements**
  - None
- **Prerequisite Courses**
  - None

#### Required Courses (15 hrs)
- MAR 3391  Professional Selling  3 hrs
- REE 3043  Fundamentals of Real Estate  3 hrs
- REE 3433  Real Estate Law  3 hrs
- REE 4103  Real Estate Appraisal and Valuation  3 hrs
- 1 REE 4941  Internship  3 hrs

1 Internship must be paid internship in the area of specialization, and should be completed in the senior year after completing at least 6 hours of real estate courses. Internship packets are available in the Department of Finance (BA 409). Certificate attainment is subject to the availability of internship opportunities in the area of interest. A student must have earned an overall GPA of at least 3.0 to qualify for an internship.

#### Restricted Electives
- None

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#### Real Estate: Real Estate Appraisal - Certificate

**College of Business Administration**

**Dr. P. Phillips School of Real Estate,** Business Administration II, Room: 101


Restricted to real estate majors. These certificates do not require additional hours beyond the BSBA real estate major program. They are intended to allow students to develop specializations in specific areas of interest and to prepare for licensing exams. Certificates will be awarded only at the time of degree completion.

Completion of this certificate qualifies a student to sit for the Florida real estate appraiser’s license.

- **Certificate Admission Requirements**
  - None
- **Certificate Requirements**
  - None
- **Prerequisite Courses**
  - None

#### Required Courses (15 hrs)
- MAR 3391  Professional Selling  3 hrs
- REE 3043  Fundamentals of Real Estate  3 hrs
- REE 3433  Real Estate Law  3 hrs
- REE 4103  Real Estate Appraisal and Valuation  3 hrs
- 1 REE 4941  Internship  3 hrs

1 Internship must be paid internship in the area of specialization, and should be completed in the senior year after completing at least 6 hours of real estate courses. Internship packets are available in the Department of Finance (BA 409). Certificate attainment is subject to the availability of internship opportunities in the area of interest. A student must have earned an overall GPA of at least 3.0 to qualify for an internship.

#### Restricted Electives
- None

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**UNIVERSITY OF CENTRAL FLORIDA**

400  Undergraduate Catalog 2010-2011
Required Courses (15 hrs)
- MAR 3391 Professional Selling  3 hrs
- REE 3043 Fundamentals of Real Estate  3 hrs
- REE 3433 Real Estate Law  3 hrs
- REE 4303 Real Estate Investment Analysis  3 hrs
- REE 4941 Internship  3 hrs

1 Internship must be paid internship in the area of specialization, and should be completed in the senior year after completing at least 6 hours of real estate courses. Internship packets are available in the Department of Finance (BA 409). Certificate attainment is subject to the availability of internship opportunities in the area of interest. A student must have earned an overall GPA of at least 3.0 to qualify for an internship.

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- None

Security Management - Certificate
College of Health and Public Affairs
Department of Criminal Justice and Legal Studies, Health and Public Affairs I, Room: 311
E-mail: cjadvise@mail.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
- None

Prerequisite Courses
- None

Required Courses (12 hrs)
- CCJ 4644 White Collar Crime  3 hrs
- CJT 3803 Security Management  3 hrs
- CJT 4843 Risk Management in Criminal Justice/Private Security  3 hrs
- SCC 3311 Security Administration  3 hrs

Restricted Electives (3 hrs)
- Select one of the following:
  - CJE 3444 Crime Prevention  3 hrs
  - DSC 4012 Terrorism  3 hrs
  - PLA 3277 The Law of Torts  3 hrs
  - PLA 5937 Seminar in Contemporary Legal Problems  3 hrs
  - SCC 3316 Special Security Problems  3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

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.

Service-Learning - Certificate
Office of Undergraduate Studies
Office of Experiential Learning, Ferrell Commons, Room: 203
http://www.explearning.ucf.edu
A. Zeh, azeh@mail.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)
- 4 UCF-approved SL courses

Restrict 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.

Substitute Teaching - Certificate
College of Education
Department of Educational Studies, Education Building, Room: 220B
http://education.ucf.edu/
E-mail: wwise@mail.ucf.edu
Dr. W. Scott Wise, ED 220B
Phone: 407-823-1502

The Substitute Teaching Certificate is designed for undergraduates who want to prepare themselves for substitute teaching assignments in PK-12 schools. The certificate is intended for University students enrolled outside the College of Education and does not lead to...
Certificates

Teacher Certification or Admission to the College of Education. 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.

Certificate Admission Requirements
- None

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (9 hrs)
- EDF 2007 Introduction to Substitute Teaching 3 hrs
- EDF 2250 Classroom Management for Substitute Teachers 3 hrs
- EDG 2311 Teaching Strategies for Substitute Teachers 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 9

Other Requirements
- A minimum GPA of 2.5 in all courses
- No credit by exam (CLEP, Military credit) may be used.
- At least 6 hours used in the certificate must be earned at UCF.
- Note: Completion of this certificate does not complete the requirements for teacher certification, nor does it constitute admission to the College of Education.

Translation and Interpretation - Certificate

College of Arts and Humanities
Department of Modern Languages and Literatures,
Colbourn Hall, Room: 505
http://mll.cah.ucf.edu/
E-mail: forlang@mail.ucf.edu
Maria Redmon, CNH 512, mredmon@mail.ucf.edu, 407-823-5738

Certificate Admission Requirements
- Students must pass an oral exam for proficiency in Spanish and English before being admitted to the certificate program.

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (12 hrs)
- SPT 3800 Spanish Translation and Interpretation 3 hrs
- SPT 3805 Spanish Translation and Interpretation for Mass Communication 3 hrs
- SPT 3829 Medical Spanish Translation/Interpretation 3 hrs
- SPT 3831 Spanish Legal Translation and Interpretation 3 hrs

Restricted Electives (6 hrs)
- SPN 3933 Spanish Across the Curriculum 1 hr
- SPN 4941 Internship 1 hr
- Any upper division SPN or SPT course with advisor’s approval

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 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 within the Department.
- No credit by exam (TSD, Military credit) may be used.
- Independent Study or Co-op credit cannot be used toward the certificate.
- Satisfactory completion of translation and interpretation exit exam.

Victim Advocacy - Certificate

College of Health and Public Affairs
Department of Criminal Justice and Legal Studies,
Health and Public Affairs I, Room: 311
E-mail: cjadvise@mail.ucf.edu
Mary Ann 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 and Legal Studies, 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
- None

Prerequisite Courses
- None

Required Courses (9 hrs)
- CCJ 3667 Victims and the CJ System 3 hrs
- CCJ 4670 Women and Crime 3 hrs
- CCJ 4661 Domestic Violence and the Justice System 3 hrs

Restricted Electives (6 hrs)
- Select two of the following:
  - CCJ 4129 Cultural Diversity in Criminal Justice 3 hrs
  - CCJ 4690 Sex Offenders and the Criminal Justice System 3 hrs
  - CJJ 4564 Juvenile Justice System 3 hrs
  - NUR 4516 Crisis Intervention 3 hrs
  - SDW 4754 Forensic Social Work Theory and Practice 3 hrs
  - SYP 4521 Crime Victims in Society 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.
The certificate program in Women’s Studies is designed to provide students with a basic, working knowledge of gender roles and women’s issues. The certificate program is open to both degree-seeking and non degree-seeking students, but should be particularly beneficial to students in professional degree programs who will serve women and/or girls as a client population, but whose elective hours are restricted.

Certificate Admission Requirements
■ None

Certificate Requirements
■ None

Prerequisite Courses
■ None

Required Courses
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>WST 3015</td>
<td>Introduction to Women’s Studies</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Restricted Electives
■ See listing for minor. Certificate students are exempt from the distribution requirements and should select foundations courses that best complement their major area of study.

Internship Option:
■ 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

Other Requirements
■ A GPA of 2.0 or better is required in all courses used to satisfy the certificate.
■ Grades of “C” or below will not be counted toward the Women’s Studies Minor.
■ At least 9 hours used in the certificate must be earned at UCF.
The Office of International Studies (OIS) connects UCF students and faculty to diverse world communities. Its mission is to promote, support, facilitate, advocate, and implement activities that lead to the internationalization of education and research at UCF. This is accomplished through: development and administration of UCF study abroad programs; faculty development activities; internationalization of courses and programs; enhancement of international exchanges; promotion of international partnerships; and the identification and acquisition of external funding.

**Study Abroad Programs**
http://www.studyabroad.ucf.edu

By its very nature, study abroad provides an exciting setting for learning - one in which student interaction is central to the learning process. Study abroad participants learn about new environments, customs and, in many cases, new languages. They deal with the uncertainties of international travel and must adapt to the dynamics of the group. Maturity, self confidence, and awareness of other cultures are only some of the benefits of study abroad. Students are invited to expand their classroom, their experience, and their future through study abroad.

UCF study abroad opportunities are a cooperative venture of academic departments and the OIS, and are designed to provide an exceptional learning experience, while matching the specific needs and circumstances of UCF students. The two main types of programs administered by UCF are Short Term Programs and Student Exchanges.

Short Term Programs are intended to provide the maximum amount of exposure to a subject in the shortest period of time. They must meet all the criteria for UCF courses and can be delivered as complete modules, or as a complement to a course delivered on campus or online. Examples of past short term programs include the following: intensive language programs in France, Japan, Germany, Spain and Italy; Tropical Marine Biology in Honduras; International Business in France and Spain; Criminal Justice in Costa Rica and Russia; Education in the United Kingdom; International Gastronomy in France and Italy; and Art in Scotland.

Reciprocal Student Exchanges (RSE) provide the opportunity to become a student at a university abroad for one term or even a year. The longer terms allow for a more extensive experience abroad. Student exchanges require greater personal commitment, maturity and organization. Therefore, they are limited to UCF students who have attained at least a junior status and who have a minimum 3.0 GPA. Past RSE include the following: Université d'Angers, ICN School of Business and Paris VI in France; Meikai University in Japan; University of Lima in Peru; Jonkoping and Malardalen universities in Sweden; and Northampton University and University of Surrey in the United Kingdom.

There are many more study abroad options. It is important that interested participants investigate their choices, the requirements and the implications that each choice has in terms of cost, credit transferability and progress toward graduation. OIS staff members can provide program advice and general information about options. For up-to-date information, please visit http://www.studyabroad.ucf.edu or contact OIS at 407-882-2300.
Aerospace Engineering - Accelerated
Undergraduate-Graduate Program
(B.S.A.E. / M.S.A.E. or M.S.M.E.)
College of Engineering and Computer Science
Department of Mechanical, Materials, and Aerospace Engineering, Engineering, Room: 307
http://www.mmae.ucf.edu
E-mail: mmaeugrad@mail.ucf.edu
Dr. Alain Kassab, kassab@mail.ucf.edu, 407-823-5778
Ms. Waheeda Illasarie, willasar@mail.ucf.edu, 407-823-5448
Dr. Kuo-Chi (Kurt) Lin, klin@mail.ucf.edu, 407-823-0137
Phone: 407-823-2416

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.

Degree Requirements
- None

1. UCF General Education Program (GEP) (0 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) (0 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.
  - EGN 1006C Introduction to the Engineering Profession 1 hr
  - EGN 1007C Engineering Concepts and Methods 1 hr

4. Core Requirements: Advanced Level (54 hrs)
- EAS 3010 Fundamentals of Aerospace Flight 3 hrs
- 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 4124 High-Speed Aerodynamics 3 hrs
- EAS 4200 Flight Structures 3 hrs
- EAS 4210 Space Structural Dynamics 3 hrs
- EAS 4300 Aerothermodynamics of Propulsion Systems 3 hrs
- EGM 3601 Solid Mechanics 3 hrs
- EGN 3310 Engineering Analysis-Statics 3 hrs
- EGN 3321 Engineering Analysis-Dynamics 3 hrs
- EGN 3343 Thermodynamics 3 hrs
- EGN 3373 Principles of Electrical Engineering 3 hrs
- EMA 3706 Structure and Properties of Aerospace Materials 3 hrs
- EML 3034C Modeling Methods in Mechanical and Aerospace Engineering 3 hrs
- EML 4312C Feedback Control 3 hrs
- STA 3032 Probability and Statistics for Engineers GEP

Select 1:
- EAS 3530 Space Systems Concepts or 3 hrs
- EAS 4505 Orbital Mechanics 3 hrs

5. Restricted Electives (9 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.

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
- CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

Select 1:
- EAS 4700C Aerospace Design I or 3 hrs
- EGN 4412C Interdisciplinary Design I 3 hrs

Select 1:
- EAS 4710C Aerospace Design II or 3 hrs
- EGN 4413C Interdisciplinary Design II 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, the CLAS and nine hours of Summer credit (if applicable)

Total Undergraduate Hours Required
- 128

Total Combined Hours Required
- 146

Honors In Major
- None

Related Programs
- Mechanical Engineering

Certificates
- None

Related Minors
- Engineering Leadership
- Intelligent Robotic Systems (IRS) - Interdisciplinary

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 or MSME will be awarded on completion of the total program of study.
Accelerated Undergraduate-Graduate Programs

Accelerated Undergraduate-Graduate Program
(B.A. or B.S. / M.A.)

Purpose of this Program - This program allows highly qualified undergraduate majors in communication sciences and disorders to enroll in 18 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 the junior year of course work in communication sciences and disorders
- 3.5 GPA or better in courses in the major
- 1000 on the combined verbal and quantitative sections of the Graduate Record Examinations and a score of at least 500 on the verbal section
- Completion of a graduate 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 18 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)
- Select 1: STA 2043 Principles of Statistics or STA 2023 Statistical Methods I
- Select 2: STA 2023 Statistical Methods I

D: Social Foundations (6 hrs)
- Select 1: PSY 2012 General Psychology
- Select 2: PSY 3023 Introduction to Developmental Psychology

E: Science Foundations (6 hrs)
- Select 1: BSC 1005 Principles of Microeconomics
- Select 2: BSC 1005 Principles of Macroeconomics

Statistics Requirement (6 hrs)
- Students have two options in completing this requirement:
  - Option 1: STA 2023 Statistical Methods I and STA 4163 Statistical Methods II
  - Option 2: STA 2014C Principles of Statistics or STA 2023 Statistical Methods I

5. Restricted Electives (0 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 sciences courses (six credit hours) approved by the Department of Communication Sciences and Disorders.
Accelerated Undergraduate-Graduate Programs

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. 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 primarily from upper level courses after

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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors in Major
- Interested students should contact a faculty advisor

Related Programs
- Early Childhood Education
- Exceptional Student Education
- Health Services Administration
- Physical Therapy
- Psychology
- Social Work

Certificates
- Language Development and Disorders

Related Minors
- Aging Studies
- Communication Sciences and Disorders
- Early Childhood Education
- Exceptional Education
- Health Services Administration
- Interpersonal/Organizational Communication
- Linguistics
- Psychology

Advising Notes
- None

Transfer Notes
- "D" (1.0) grades are not accepted
- Courses taken at community college 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 (18 hrs)
- SPA 6204 Articulation/Phonological Disorders 3 hrs
- SPA 6402 Preschool Language Disorders 3 hrs
- SPA 6403 School-Aged Language Disorders 3 hrs
- SPA 6410 Aphasias and Related Disorders 3 hrs
- SPA 6503C Entry-Level Clinical Practicum 3 hrs
- SPA 6805 Research in Communicative Disorders 3 hrs

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: $17.50 per term
- Full-Time Student: $35.00 per term

Computer Engineering - Accelerated Undergraduate-Graduate Program

(B.S.P.E. / M.S.P.E.)
College of Engineering and Computer Science
School of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 346
http://www.eecs.ucf.edu
Dr. Michael Georgiopoulos, michaelg@eecs.ucf.edu
Ms. Traci Freund, tfreund@eecs.ucf.edu
Phone: 407-882-2313

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.

Degree Requirements
- None

1. UCF General Education Program (GEP) (38 hrs)
- See Computer Engineering major in the catalog for track GEP requirements.
- A: Communication Foundations
- B: Cultural & Historical Foundations
- C: Mathematical Foundations
- D: Social Foundations
- E: Science Foundations

2. Common Program Prerequisites (CPP) (0 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 1006C Introduction to the Engineering Profession 1 hr
- EGN 1007C Engineering Concepts and Methods 1 hr
### Accelerated Undergraduate-Graduate Programs

<table>
<thead>
<tr>
<th>4. Core Requirements: Advanced Level (54 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Courses Required for the Engineering Core (6 hrs)</td>
</tr>
<tr>
<td>EGN 3310 Engineering Analysis-Statics 3 hrs</td>
</tr>
<tr>
<td>STA 3032 Probability and Statistics for Engineers 3 hrs</td>
</tr>
<tr>
<td>Select 1: 3 hrs</td>
</tr>
<tr>
<td>EGN 3321 Engineering Analysis-Dynamics or 3 hrs</td>
</tr>
<tr>
<td>EGN 3358 Thermo-Fluids-Heat Transfer 3 hrs</td>
</tr>
<tr>
<td>Courses Required for the Major (48 hrs)</td>
</tr>
<tr>
<td>COP 3330 Object Oriented Programming 3 hrs</td>
</tr>
<tr>
<td>COP 3502C Computer Science I 3 hrs</td>
</tr>
<tr>
<td>COP 3503C Computer Science II 4 hrs</td>
</tr>
<tr>
<td>COP 4331C Processes for Object-Oriented Software Development 4 hrs</td>
</tr>
<tr>
<td>COP 4600 Operating Systems 3 hrs</td>
</tr>
<tr>
<td>COT 3100C Introduction to Discrete Structures 3 hrs</td>
</tr>
<tr>
<td>EEE 3307C Electronics I 4 hrs</td>
</tr>
<tr>
<td>EEE 3342C Digital Systems 3 hrs</td>
</tr>
<tr>
<td>EEL 3004 Electrical Networks 3 hrs</td>
</tr>
<tr>
<td>EEL 3123C Networks and Systems 4 hrs</td>
</tr>
<tr>
<td>EEL 3801C Computer Organization 3 hrs</td>
</tr>
<tr>
<td>EEL 4742C Embedded Systems 4 hrs</td>
</tr>
<tr>
<td>EEL 4768C Computer Architecture 4 hrs</td>
</tr>
<tr>
<td>EEL 4781 Computer Communication Networks 3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>5. Restricted Electives (9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Technical electives should be taken at the 5000 level and are available in the BSPE 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.</td>
</tr>
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<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>
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<table>
<thead>
<tr>
<th>7. Foreign Language Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Admissions</td>
</tr>
<tr>
<td>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.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Graduation</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
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<table>
<thead>
<tr>
<th>8. Electives</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
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</table>

<table>
<thead>
<tr>
<th>9. Additional Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
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</tbody>
</table>

<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>
<tr>
<td>A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted</td>
</tr>
<tr>
<td>Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Total Undergraduate Hours Required</th>
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<tbody>
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<table>
<thead>
<tr>
<th>Total Combined Hours Required</th>
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<td>152</td>
</tr>
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<table>
<thead>
<tr>
<th>Honors In Major</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
</tr>
</tbody>
</table>

### Computer Science - Accelerated Undergraduate-Graduate Program (B.S. / M.S.)

**College of Engineering and Computer Science**

**School of Electrical Engineering and Computer Science**

**Harris Corp. Engineering Center, Room: 346**

http://www.eecs.ucf.edu

Dr. Ron Dutton, dutton@eecs.ucf.edu
Traci Freund, tfreund@eecs.ucf.edu
Phone: 407-882-2313

**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.

**Degree Requirements**

- None
1. UCF General Education Program (GEP) (36 hrs)
   ■ See Computer Science major in the 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) (0 hrs)
   ■ See Computer Science major in the catalog for the CPP requirements.

3. Core Requirements: Basic Level (25 hrs)
   ■ 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. Only the highest grade is used in the calculation.
   COP 4106 Programming Languages I 3 hrs
   COP 4331C Processes for Object-Oriented Software 4 hrs
   COP 4600 Operating Systems 3 hrs
   COP 4610 Topics in Computer Science 3 hrs
   COP 4768C Computer Architecture 4 hrs

4. Core Requirements: Advanced Level (20 hrs)
   ■ Must be offered by Computer Science at UCF. 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).

   4000-5000 level mathematics or statistics 6 hrs
   ■ courses from: STA, MAP, MAA, MAD, MAS prefixes and the following courses.
   MAC 2313 Calculus with Analytic Geometry III 4 hrs
   MAP 2302 Differential Equations 3 hrs
   MAS 3105 Matrix and Linear Algebra 4 hrs
   MAS 3106 Linear Algebra 4 hrs

5. Restricted Electives (15 hrs)
   ■ Must be offered by Computer Science at UCF. 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).

   5000 level Computer Science courses 9 hrs
   ■ 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
   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

6. Capstone Requirements
   ■ None

7. Foreign Language Requirements
   ■ Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.
   ■ Proficiency exam in a second language, one semester of college level Foreign Language, or 3 credits of multicultural courses approved by Computer Science.

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
    ■ Complete an exit survey
    ■ Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

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.

    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
    ■ Interdisciplinary Informatics Technology
    ■ Secure Computing and Networks

    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.

    Program Academic Learning Compacts
    ■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
      http://www.oeras.ucf.edu/acl/academic_learning_compacts.htm

    Equipment Fees
    ■ Part-Time Student: $45 per term
    ■ Full-Time Student: $90 per term
Accelerated Undergraduate-Graduate Programs

Economics - Accelerated Undergraduate-Graduate Program (B.A. / M.S.)

College of Business Administration

Department of Economics, Business Administration II, Room: 305

http://www.bus.ucf.edu/economics

Michael Caputo, BA2 302Q, mcaputo@bus.ucf.edu, 407-823-1405
Phone: 407-823-3266

This program is designed for highly qualified majors in Economics who would like to earn undergraduate and graduate degrees in five rather than six years of full-time course work. The program provides students with specialized training in economics within a broad liberal arts education. A minor from several other colleges can be selected according to the student’s personal interests and career goals.

Admission Requirements

- Completion of the UCF General Education program or an AA degree from a Florida Public Community College
- See Common Program Prerequisites
- For admission to graduate courses, students must achieve a minimum 3.25 GPA after completion of 80 credit hours and meet the UCF graduate admission requirements as described in the Graduate Catalog.

Degree Requirements

- None

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

Suggested COP 2223 Introduction to Programming with C
Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

Required STA 2023 Statistical Methods I 3 hrs

Select 1:

Required MAC 2333 Concepts of Calculus or
Required MAC 2311 Calculus with Analytic Geometry I 4 hrs

D: Social Foundations (6 hrs)

Select 1:

Prefer ECO 2013 Principles of Macroeconomics or
Prefer ECO 2023 Principles of Microeconomics 3 hrs

Select 1:

Prefer ANT 2000 General Anthropology or
Prefer PSY 2012 General Psychology or
Prefer 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.

ECO 2013 Principles of Macroeconomics 3 hrs
ECO 2023 Principles of Microeconomics 3 hrs

3. Core Requirements: Basic Level (0 hrs)

- None

4. Core Requirements: Advanced Level (16 hrs)

Undergraduate Major Courses 16 hrs

ECO 3101 Intermediate Microeconomics 3 hrs
ECO 3203 Intermediate Macroeconomics 3 hrs
ECO 4451 Research Methods in Economics 3 hrs

Select one of the following sequences of courses:

MAC 2311 Calculus with Analytic Geometry I and 4 hrs
MAC 2312 Calculus with Analytic Geometry II and 4 hrs
MAC 2313 Calculus with Analytic Geometry III and 4 hrs
STA 4321 Statistical Theory I and 3 hrs
STA 4322 Statistical Theory II 3 hrs
or
ECO 3401 Quantitative Business Tools I and 3 hrs
ECO 3411 Quantitative Business Tools II 4 hrs

5. Restricted Electives (3 hrs)

- Select any other 3000-4000 level economics course

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.

Graduation

- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literature or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives

- Variable

9. Additional Requirements

- None

10. Required Minors

- Completion of a minor in one of the following:
- Other minors may be selected with prior approval of the Economics Undergraduate Advisor.

- Computer Science

- Environmental Studies

- History

- Mathematics

- Political Science

- Psychology

- Public Administration

- Sociology

- Statistics

11. Departmental Exit Requirements

- A minimum grade of 3.0 is required for all graduate courses
- A minimum GPA of 2.5 is required for all courses taken in the major and minor.
- Computer Competence is met by Research Methods 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, the CLAS and nine hours of Summer credit (if applicable)
### Accelerated Undergraduate-Graduate Programs

**UNIVERSITY OF CENTRAL FLORIDA**

**411 Undergraduate Catalog 2010-2011**

<table>
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<tr>
<th>Total Semester Hours Required</th>
<th>135</th>
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<tbody>
<tr>
<td>Honors In Major</td>
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<tr>
<td>Related Programs</td>
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</tr>
<tr>
<td>Certificates</td>
<td>None</td>
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<tr>
<td>Related Minors</td>
<td>None</td>
</tr>
<tr>
<td>Advising Notes</td>
<td>None</td>
</tr>
<tr>
<td>Transfer Notes</td>
<td>Grades below &quot;C&quot; (2.0) are not accepted</td>
</tr>
<tr>
<td></td>
<td>Courses taken at community college do not substitute for Upper Division courses</td>
</tr>
<tr>
<td></td>
<td>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.</td>
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<tr>
<td></td>
<td>ECO 2013 and 2023 are prerequisites for all subsequent economics courses.</td>
</tr>
<tr>
<td>Acceptable Substitutes for Transfer Courses</td>
<td>None</td>
</tr>
<tr>
<td>Shared Courses</td>
<td>ECO 6118 Microeconomic Theory I 3 hrs</td>
</tr>
<tr>
<td></td>
<td>ECO 6206 Macroeconomic Theory I 3 hrs</td>
</tr>
<tr>
<td></td>
<td>ECO 6403 Mathematical Economics 3 hrs</td>
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<tr>
<td></td>
<td>ECO 6424 Econometrics I 3 hrs</td>
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<tr>
<td></td>
<td>ECO 6XXX Economics Elective 3 hrs</td>
</tr>
<tr>
<td>Program Academic Learning Compacts</td>
<td>Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: <a href="http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm">http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm</a></td>
</tr>
<tr>
<td>Equipment Fees</td>
<td>Part-Time Student: $15 per term</td>
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<tr>
<td></td>
<td>Full-Time Student: $30 per term</td>
</tr>
</tbody>
</table>

**Electrical Engineering - Accelerated Undergraduate-Graduate Program (B.S.E.E. / M.S.E.E.)**

**College of Engineering and Computer Science**

**School of Electrical Engineering and Computer Science**

**Harris Corp. Engineering Center, Room: 346**

**http://www.eecs.ucf.edu**

Dr. Michael Georgiopoulos, michaelg@eecs.ucf.edu
Ms. Traci Freund, tfreund@eecs.ucf.edu
Phone: 407-882-2313

**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.

**Degree Requirements**

- None

1. **UCF General Education Program (GEP)** (38 hrs)
   - See Electrical Engineering major in the catalog for track specific GEP requirements.

2. **Common Program Prerequisites (CPP)** (0 hrs)
   - See Electrical Engineering major in the catalog for the CPP requirements.

3. **Core Requirements: Basic Level** (2 hrs)
   - **Engineering Core: Basic** 2 hrs
   - EGN 1006C Introduction to the Engineering Profession 1 hr
   - EGN 1007C Engineering Concepts and Methods 1 hr

4. **Core Requirements: Advanced Level** (53 hrs)
   - **Engineering Core: Advanced** 12 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.
   - EGN 3310 Engineering Analysis-Statics 3 hrs
   - EGN 3420 Engineering Analysis 3 hrs
   - PHY 3101 Physics for Engineers and Scientists III 3 hrs
   - STA 3032 Probability and Statistics for Engineers GEP
   - Select 1: 3 hrs
   - EGN 3321 Engineering Analysis-Dynamics or 3 hrs
   - EGN 3358 Thermo-Fluids-Heat Transfer 3 hrs

5. **Courses Required for the Major** (41 hrs)
   - EEE 3307C Electronics I 4 hrs
   - EEE 3342C Digital Systems 3 hrs
   - EEE 3350 Semiconductor Devices I 3 hrs
   - EEE 4309C Electronics II 4 hrs
   - EEL 3904 Electrical Networks 3 hrs
   - EEL 3123C Networks and Systems 4 hrs
   - EEL 3470 Electromagnetic Fields 3 hrs
   - EEL 3552C Analog and Digital Communication Fundamentals
   - EEL 3657 Linear Control Systems 3 hrs
   - EEL 3801C Computer Organization 3 hrs
   - EEL 4742C Embedded Systems 4 hrs
   - EEL 4750 Digital Signal Processing Fundamentals 3 hrs

6. **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.

7. **Capstone Requirements** (6 hrs)
   - EEL 4914 Senior Design I 3 hrs
   - EEL 4915L Senior Design II 3 hrs

8. **Graduation Requirements**
   - None

9. **Foreign Language Requirements**
   - None
Accelerated Undergraduate-Graduate Programs

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, the CLAS and nine hours of Summer credit (if applicable)

Total Combined Hours Required
- 128

Total Undergraduate Hours Required
- 128

Honors in Major
- None

Related Programs
- Computer Engineering
- Computer Science
- Mathematics - Engineering/Physics Track
- Physics

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 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 School of Electrical Engineering & Computer Science for acceptable courses.

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

History - Accelerated Undergraduate-Graduate Program (B.A / M.A.)

College of Arts and Humanities
Department of History, Colbourn Hall, Room: 551
http://www.history.cah.ucf.edu/
E-mail: Graduate program: hisgrad@mail.ucf.edu
E-mail: Undergraduate program: history@mail.ucf.edu

Dr. Rosalind Beiler, 407-823-2225
Phone: 407-823-2224

Purpose of this degree - 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.
- A 3.5 GPA or better in history courses and a 3.25 overall GPA or better.
- Graduate Record Exam (GRE) combined score of 1050 on both the verbal and quantitative sections of the exam and a score of at least 550 on the verbal section.
- Completion of a graduate application, including an essay indicating reasons for desiring to complete the accelerated program, and three letters of recommendation from History Department faculty to be submitted to the History Department.
- 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) (0 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

1 AMH 2010 U.S. History: 1492-1877 GEP
2 AMH 2020 U.S. History: 1877-Present GEP

1 See Transfer Notes for possible substitutes
Accelerated Undergraduate-Graduate Programs

3. Core Requirements: Basic Level (6 hrs)
   Select one of the following sequences of courses:
   EUH 2000  Western Civilization I and 3 hrs
   EUH 2001  Western Civilization II    3 hrs
   or
   WOH 2012  World Civilization I and  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
   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
   ■ 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 language may be used to meet the
   requirement. Majors who are participating in the accelerated
   program should complete two years of a foreign language, pre-
   ferably 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 lan-
   guage course work.

8. Electives
   ■ Select primarily from upper level courses after meeting with
     a departmental advisor. Courses may be outside the depa-
     rtment.

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, stu-
     dents 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 grad-
     uate 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 prelimi-
     nary 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 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 his-
      tory hours at UCF.
    ■ Computer competency met by completion of 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, the CLAS and nine hours of Summer credit (if applicable)

Total Undergraduate Hours Required
   ■ 120

Total Combined Hours Required
   ■ 147

Honors In Major
   ■ None

Related Programs
   ■ Humanities

Certificates
   ■ None

Related Minors
   ■ African American Studies
   ■ American Studies
   ■ Asian Studies
   ■ Humanities
   ■ Judaic Studies
   ■ Latin American Area Studies
   ■ Middle Eastern Studies
   ■ Women’s Studies

Advising Notes
   ■ None

Transfer Notes
   ■ Courses taken at community colleges 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 pro-
     vide all supporting information.

Acceptable Substitutes for Transfer Courses
   ■ None

Shared Courses
   ■ None

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
Accelerated Undergraduate-Graduate Programs

Industrial Engineering - Accelerated
Undergraduate-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, wthompso@mail.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
- Completion of the GRE with a highly competitive score by the end of first semester of the junior year
- 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) (0 hrs)
- See "Common Prerequisites" in the Transfer and Transitions section for more information.

3. Core Requirements: Basic Level (0 hrs)

4. Core Requirements: Advanced Level (58 hrs)

5. Restricted Electives (3 hrs)
- Technical electives should be taken at the 5000 or 6000 level and 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
- 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, the CLAS and nine hours of Summer credit (if applicable)

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.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>EIN 3000</td>
<td>Introduction to Industrial Engineering and Management Systems</td>
<td>2 hrs</td>
</tr>
<tr>
<td>EIN 3211</td>
<td>Thermodynamics or Thermodynamics-Heat Transfer</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EIN 3810</td>
<td>Introduction to Industrial Engineering and Management Systems</td>
<td>2 hrs</td>
</tr>
<tr>
<td>EIN 3811</td>
<td>Engineering Economic Analysis</td>
<td>2 hrs</td>
</tr>
<tr>
<td>EIN 3812</td>
<td>Work Measurement &amp; Design</td>
<td>3 hrs</td>
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<tr>
<td>EIN 3813</td>
<td>Principles of Cost Engineering</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EIN 3814</td>
<td>Manufacturing Engineering</td>
<td>3 hrs</td>
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<tr>
<td>EIN 3815</td>
<td>Systems Engineering</td>
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<tr>
<td>EIN 3816</td>
<td>Environmental of Technical Organizations</td>
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<td>EIN 3817</td>
<td>Empirical Methods for Industrial Engineering</td>
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<tr>
<td>EIN 3818</td>
<td>Quality Engineering</td>
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<tr>
<td>EIN 3819</td>
<td>Industrial Engineering Applications of Computers</td>
<td>3 hrs</td>
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<tr>
<td>EIN 3820</td>
<td>Discrete Systems Simulation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EIN 3821</td>
<td>Probability and Statistics for Engineers</td>
<td>3 hrs</td>
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</table>
Accelerated Undergraduate-Graduate Programs

Mechanical Engineering - Accelerated Undergraduate-Graduate Program (B.S. / M.S.M.E., M.S.M.S.E., or M.S.A.E.)

College of Engineering and Computer Science
Department of Mechanical, Materials, and Aerospace Engineering, Engineering, Room: 307

http://www.mmae.ucf.edu

Waheeda Illasarie, willasar@mail.ucf.edu, 407-823-5448
Dr. Alain Kassab, kassab@mail.ucf.edu
Dr. Kuo-Chi (Kurt) Lin, klin@mail.ucf.edu, 407-823-0137
Phone: 407-823-2416

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.

Degree Requirements
- None

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.
   - See Mechanical Engineering major in the Catalog for CPP requirements.

3. Core Requirements: Basic Level (2 hrs)
   EGN 1006C Introduction to the Engineering Profession 1 hr
   EGN 1007C Engineering Concepts and Methods 1 hr

4. Core Requirements: Advanced Level (65 hrs)
   EGM 3601 Solid Mechanics 3 hrs
   EGN 3310 Engineering Analysis-Statics 3 hrs
   EGN 3321 Engineering Analysis-Dynamics 3 hrs
   EGN 3343 Thermodynamics 3 hrs
   EGN 3365 Structure and Properties of Materials 3 hrs
   EGN 3366 Structure and Properties of Materials 3 hrs
   EGN 3373 Principles of Electrical Engineering 3 hrs
   EML 3934C Modeling Methods in Mechanical and Aerospace Engineering 3 hrs
   EML 3303C Mechanical Engineering Measurements 3 hrs
   EML 3500 Machine Design and Analysis 3 hrs
   EML 3701 Fluid Mechanics I 3 hrs
   EML 4142 Heat Transfer 3 hrs
   EML 4220 Vibration Analysis 3 hrs
   EML 4312C Feedback Control 3 hrs
   EML 4535C CAD/CAM 3 hrs
   STA 3032 Probability and Statistics for Engineers 3 hrs
   Select one of the following three options for your senior year to complete your BSME:
   - Energy Systems Option 21 hrs
     EML 3101 Thermodynamics of Mechanical Systems and 3 hrs
     EML 4145 Topics in Heat Transfer and 2 hrs
     EML 4221C Mechanical Systems Experimental Techniques and 2 hrs
     EML 4304C Design of Thermo-Fluid Experiment and 2 hrs
     EML 4703 Fluid Mechanics II and 3 hrs
     Approved Electives (5000 level course) 9 hrs
   - Mechanical Systems Option 21 hrs
     EGM 3601L Solid Mechanics Lab and 2 hrs
     EML 3262 Kinematics of Mechanisms and 3 hrs
     EML 4221C Mechanical Systems Experimental Techniques and 2 hrs
     EML 4304C Design of Thermo-Fluid Experiment and 2 hrs
     Approved Electives (5000 level course) 12 hrs
   - Materials Option 21 hrs
     EMA 3012C Experimental Techniques in Mechanics and Materials and 3 hrs
     EMA 3124 Design and Selection of Materials and 3 hrs
     EMA 4102 Thermodynamics and Kinetics of Materials and 3 hrs
     EMA 4223 Fundamentals of Mechanical Behavior of Materials and 3 hrs
     Approved Electives (5000 level course) 9 hrs

5. Restricted Electives (21 hrs)
   - Technical electives should be taken at the 5000 or 6000 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
- 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
Accelerated Undergraduate-Graduate Programs

11. Departmental Exit Requirements
- CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

Select 1:  3 hrs
- EGN 4412C Interdisciplinary Design I or 3 hrs
- EML 4501C Engineering Design I 3 hrs

Select 1:  3 hrs
- EGN 4413C Interdisciplinary Design II or 3 hrs
- EML 4502C Engineering Design II 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, the CLAS and nine hours of Summer credit (if applicable)

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.
- EML 3990 Mechanical Career and Academic Faculty 0 hrs
- EML 4991 Mechanical Career and Academic Faculty 0 hrs

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, Materials, and Aerospace Engineering department for a list of acceptable courses.

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

Molecular Biology and Microbiology - UCF/USF Accelerated Medical School (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
E-mail: bcbsinfo@mail.ucf.edu
Dr. P.E. Kolattukudy, Chair
Phone: 407-823-5932

Students seeking admission to University of South Florida College of Medicine [USFCOM] through the accelerated program will meet all USFCOM admission requirements and obtain a B.S. in Molecular Biology and Microbiology after completion of the first year of the medical school curriculum.

Admission Requirements
- Students must apply for this program through the Burnett Honors College prior to attending UCF. Eligibility requirements include FL residency, unweighted high school GPA of 3.7 and SAT score of 1300 or ACT of 29. More information about the admission process can be found at http://www.honors.ucf.edu and in catalog: Burnett Honors College: UCF/USF Accelerated Medical School Program.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should consult with a departmental advisor and the Burnett Honors College advisor.
- Grades below a C- (1.75) in the life sciences will not be accepted for students who decelerate.

1. UCF General Education Program (GEP)  (36 hrs)
- Note: Certain courses must be selected in the GEP for this major, bringing total GEP hours to more than 36.

A: Communication Foundations  9 hrs
- Required ENC 1101H Honors Freshman Composition I 3 hrs
- Required ENC 1102H Honors Freshman Composition II 3 hrs
- Prefer SPC 1603H Honors Fundamentals of Technical Presentation 3 hrs

B: Cultural & Historical Foundations  9 hrs

C: Mathematical Foundations  9 hrs
- Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
- Required STA 2023 Statistical Methods I 3 hrs

D: Social Foundations  6 hrs

E: Science Foundations
- 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 2010X 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 2311 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  Physics for Engineers & Scientists I and 4 hrs
- PHY 2049C  Physics for Engineers and Scientists II 4 hrs

1 See Transfer Notes for possible substitutes

### 3. Core Requirements: Basic Level (10 hrs)
#### Life Sciences: Basic
- SLS 2311C  Overview of Select Medical Careers 2 hrs

#### Math, Calculus and Statistics
- MAC 2311  Calculus with Analytic Geometry I  GEP
- STA 2023  Statistical Methods I  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 (0 hrs)
- Students must select at least two honors sections of upper division core requirements or restricted electives, and a total of four lower division courses in honors.

#### Life Sciences: Advanced 26 hrs
- BSC 3403C  Quantitative Biological Methods 4 hrs
- MCB 3020C  General Microbiology 5 hrs
- MCB 4912  Directed Independent Research 3 hrs
- MCB 4941  Internship 1 hr
- PCB 3233L  Immunology Laboratory 1 hr
- PCB 3522  Molecular Biology I 3 hrs
- PCB 4239  Molecular Immunology 3 hrs
- PCB 4524  Molecular Biology II 3 hrs

#### Chemistry
- BCH 4053  Biochemistry I 3 hrs

### 5. Restricted Electives (8 hrs)
- Five restricted electives satisfied by first year medical school
- PCB 3703C  Human Physiology 4 hrs
- ZOO 3733C  Human Anatomy 4 hrs
- Students decelerating to the 4 year B.S. program must take the following additional courses:
  - MCB 4414  Microbial Metabolism 3 hrs
  - 4 additional Upper Division Restricted Electives listed under Molecular Biology and Microbiology B.S. (minimum) 11 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
- None

### 9. Additional Requirements
#### Additional USF/UCF Advanced Requirements
- IDH 1921H  Honors Symposium II 2 hrs
- Select 1: 3 hrs
  - ENC 3241  Writing for the Technical Professional or 3 hrs
  - ENC 3241H  Honors Writing for the Technical Professional 3 hrs

#### Select 1: 3 hrs
- PAF 3753H  Honors Ethical Issues in Health and Public Affairs or 3 hrs
- PHI 4633H  Honors Ethics and Biological Science 3 hrs

### 10. Required Minors
- None

### 11. Departmental Exit Requirements
- For decelerated program, the 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 Core and Restricted Electives.
- For accelerated program the degree is awarded after successful completion of first year USF Medical School program.

### 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, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required
- 120

#### Honors In Major
- None

#### Related Programs
- Biology
- Interdisciplinary Studies

#### Certificates
- None

#### Related Minors
- Biology
- Chemistry

#### Advising Notes
- None

#### Transfer Notes
- None

### Acceptable Substitutes for Transfer Courses
- Acceptable substitutes for common program prerequisites if taken prior to transferring to UCF:
  - BSC 2011C  Biology I 4 hrs
  - may be substituted with: BSC 3403C
  - CHM 2045C  Chemistry Fundamentals I 4 hrs
  - may be substituted with: CHM 2040C
  - CHM 2045C  Chemistry Fundamentals I 4 hrs
  - may be substituted with: CHM 2041C

### 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: $39 per term
- Full-Time Student: $78 per term
Accelerated Undergraduate-Graduate Programs

Nursing - Accelerated Second Degree B.S.N. Option (B.S.N.)
College of Nursing
HPA-1, Room: 220
http://www.nursing.ucf.edu
E-mail: ucfnurse@mail.ucf.edu
Dr. Jean Leuer, Dean
Dr. Linda Hennig, Assoc. Dean Undergraduate
Ms. Patricia Lelei, Undergraduate 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.

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.
■ Application to the university must also be submitted 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 must 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.
■ All applicants must complete a mandatory accelerated second degree program information session, online or in person, prior to submitting the application.
■ Criminal background checks are required for all conditionally admitted or waitlisted students for all undergraduate nursing degrees. The results are reviewed as part of the final admission process and may be grounds for denying a student admission to the College of Nursing. Failure to disclose related information on an application may negate the application.
■ 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 nine (9) common program prerequisites must be completed by the program application deadline. This includes (Chemistry with Lab, at least 2 other courses from Group A and the remainder from Groups A or B.

Chemistry with Lab
■ required with grade of B- or better.

Group A
■ grade of B- 92.75) or better
Microbiology with Lab 4 hrs
Anatomy with Lab 4 hrs
Physiology with Lab (or A&P I, II) 4 hrs

Group B
■ grade of C or better
Sociology 3 hrs
Psychology 3 hrs
Developmental Psychology 3 hrs
Human Nutrition 3 hrs
Statistics 3 hrs

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) (0 hrs)

A: Communication Foundations

B: Cultural & Historical Foundations

C: Mathematical Foundations

D: Social Foundations

E: Science Foundations

2. Common Program Prerequisites (CPP) (31 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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>1 CHM 1032</td>
<td>General Chemistry</td>
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<tr>
<td>1 CHM 1032L</td>
<td>General Chemistry Laboratory</td>
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<tr>
<td>1 HUN 301L</td>
<td>Human Nutrition</td>
</tr>
<tr>
<td>1 MCB 2004C</td>
<td>Microbiology for Health Professionals</td>
</tr>
<tr>
<td>1 PCB 3703C</td>
<td>Human Physiology</td>
</tr>
<tr>
<td>1 PSY 2012</td>
<td>General Psychology</td>
</tr>
<tr>
<td>1 SYG 2000</td>
<td>Introduction to Sociology</td>
</tr>
<tr>
<td>1 ZOO 3733C</td>
<td>Human Anatomy</td>
</tr>
</tbody>
</table>

Select 1: 3 hrs
STA 2014C Principles of Statistics or STA 2023 Statistical Methods I

Select 1: 3 hrs
DEP 2004 Developmental Psychology or SOW 3104 Assessing I: Human Development

1 science prerequisite

3. Core Requirements: Basic Level (0 hrs)
■ None

4. Core Requirements: Advanced Level (57 hrs)
■ Any variation from the following must be approved by the College of Nursing.
■ Students may petition to waive elective requirement.

<table>
<thead>
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<th>Course Code</th>
<th>Course Title</th>
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<tr>
<td>NUR 3028</td>
<td>Essentials of Nursing Practice</td>
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<tr>
<td>NUR 3028L</td>
<td>Essentials of Nursing Practice Lab</td>
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<tr>
<td>NUR 3065</td>
<td>Health Assessment</td>
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<tr>
<td>NUR 3065L</td>
<td>Health Assessment Lab</td>
</tr>
<tr>
<td>NUR 3125</td>
<td>Pathophysiology for Nursing Practice</td>
</tr>
<tr>
<td>NUR 3145</td>
<td>Pharmacology for Nursing Practice</td>
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<tr>
<td>NUR 3147</td>
<td>Accelerated Nursing Research Seminar</td>
</tr>
<tr>
<td>NUR 3225</td>
<td>Nursing Care of the Adult I</td>
</tr>
<tr>
<td>NUR 3225L</td>
<td>Nursing Care of the Adult I: Clinical Practice</td>
</tr>
<tr>
<td>NUR 3345</td>
<td>Nursing Care of Families</td>
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<tr>
<td>NUR 3345L</td>
<td>Nursing Care of Families Clinical</td>
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<tr>
<td>NUR 3634</td>
<td>Community Health Nursing</td>
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<tr>
<td>NUR 3634L</td>
<td>Community Health Nursing Clinical</td>
</tr>
<tr>
<td>NUR 3755L</td>
<td>Essentials of Nursing Practice Clinical</td>
</tr>
<tr>
<td>NUR 3825</td>
<td>The Role of the Professional Nurse</td>
</tr>
<tr>
<td>NUR 4227</td>
<td>Nursing Care of the Adult II</td>
</tr>
</tbody>
</table>

1 science prerequisite
Accelerated Undergraduate-Graduate Programs

Admission Requirements

- Completion of a research course on transcript must take NUR 3165 (3 hrs)

5. Restricted Electives (3 hrs)

- Nursing Elective 3 hrs

1 Students without a research course on transcript must take NUR 3165 (3 hrs)

6. Capstone Requirements

7. Foreign Language Requirements

Admissions

8. Electives

9. Additional Requirements

10. Required Minors

11. Departmental Exit 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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

- 57

Honors in Major

- University Honors and Honors in the Major Available

Related Programs

- Health Services Administration
- Social Work

Certificates

- None

Related Minors

- Aging Studies
- Health Sciences
- Health Services Administration
- Psychology

Advising Notes

- None

Transfer Notes

- General Psychology (PSY X012) or any General Psychology course (3 hrs)
- General Sociology (SYG 2000) or any Intro to Sociology course (3 hrs)
- Statistics (STA 2014C or 2023)
- General Chemistry (CHM 1032 or any other comprehensive chemistry course w/lab) (4 hrs)
- Human Anatomy and Physiology I & II w/lab (BSC 2093/2004) or (BSC X085/X086). This is a biological science prerequisite. (6-8 hrs)
- General Microbiology (MCB 3020C) (MCB X010C) w/lab or any Microbiology course w/lab. This is a biological science prerequisite. (4 hrs)
- Developmental Psychology (DEP 2004) or any Human Growth & Development Across Life Span course (3 hrs)
- Human Nutrition with Therapeutic Nutrition course (3 hrs)

Acceptable Substitutes for Transfer Courses

- None

Shared 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

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

HPA-1, Room: 220

http://www.nursing.ucf.edu/

E-mail: ucfnurse@mail.ucf.edu

Ms. Barbara Lange, RN to MSN Coordinator
Dr. Jean Leuner, Dean
Dr. Linda Hennig, Assoc. Dean Undergraduate
Dr. Susan Chase, Assoc. Dean Graduate
Phone: 407-823-2744

An accelerated program for students who hold an RN license and meet general education requirements, nursing pre-requisites, and required GPA.

Available for the following tracks in the graduate program: Nursing Leadership and Management, Clinical Nurse Leader, and Nursing Educator. Nine (9) graduate credit hours may be applied meeting requirements of both BSN and MSN programs.

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 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 community or state college, including CLAS (or exempt)
- Completion of prerequisites for the RN to BSN program
- Minimum cumulative GPA of 3.0. (all prior college coursework)
- Admitted to UCF undergraduate program
Accelerated Undergraduate-Graduate Programs

- Two professional references addressing qualifications and ability to succeed in graduate school
- Letter of Intent/Goal statement
- Criminal background checks are required for all conditionally admitted or waitlisted students for all undergraduate nursing degrees. The results are reviewed by the College of Nursing. Failure to disclose related information on an application may negate the application.

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
- An updated resume

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 community college 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.
- The courses designated in sections 1 and 2 below may be taken at a Florida Community or State College or other universities
- 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 program completion
- 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
- Prefer SPC 1508 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Required MAC 1105 College Algebra 3 hrs
- Required STA 2014 Principles of Statistics 3 hrs

C: Mathematical Foundations (6 hrs)
- Required MAC 2233 Calculus and Analytic Geometry 3 hrs
- Required MAC 2311 Calculus and Analytic Geometry 3 hrs

D: Social Foundations (6 hrs)
- Select 1: 3 hrs
  - Required PSY 2012 General Psychology or SYG 2000 Introduction to Sociology 3 hrs
  - Required SYG 2000 Introduction to Sociology 3 hrs
- Select 1: 3 hrs
  - Required ECO 2023 Principles of Microeconomics or ECO 2033 Principles of Macroeconomics 3 hrs
  - Required ECO 2013 Principles of Microeconomics or ECO 2023 Principles of Macroeconomics 3 hrs
  - Required POS 2041 American National Government 3 hrs
- Select 1: 3 hrs
  - Required CHM 1032 General Chemistry Laboratory 1 hr
  - Required CHM 1032 General Chemistry 3 hrs

E: Science Foundations (6 hrs)
- Required BSC 2010C Biology I 4 hrs
- Required CHM 1032L General Chemistry Laboratory 1 hr

1 Science Foundation is 6 credit hours for General Education Program; however, the nursing program prerequisite requires 4 CHM credits. To earn this, the student must also take the CHM 1032 lab or its equivalent. This BSC course is needed as a course prerequisite for Anatomy and Physiology and Health Microbiology.

2. Common Program Prerequisites (CPP) (22 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
  1 CHM 1032 General Chemistry GEP
  2 CHM 1032L General Chemistry Laboratory 1 hr
  1 HUN 3011 Human Nutrition 3 hrs
  2 MCB 2004C Microbiology for Health Professionals 4 hrs
  1 PCB 2212 General Nutrition 3 hrs
  1 PCB 2213 Nutrition 3 hrs
  1 PSY 2012 General Psychology GEP
  2 SYG 2000 Introduction to Sociology 3 hrs
  2 ZDO 3733C Human Anatomy 4 hrs

Select 1: 3 hrs
- STA 2014C Principles of Statistics or STA 2023 Statistical Methods I GEP

Select 1: 3 hrs
- DEP 2004 Developmental Psychology or SOW 3104 Assessing I: Human Development 3 hrs

1 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. Core Requirements: Basic Level (0 hrs)
- None

4. Core Requirements: Advanced Level (30 hrs)
- NUR 3165 Nursing Research 3 hrs
- NUR 3634 Community Health Nursing 3 hrs
- NUR 3805 Organizational Dynamics 3 hrs
- NUR 4604L Practicum in Community and Public Health Nursing for RNs 4 hrs
- NUR 4637 Public Health Nursing 2 hrs
- NUR 4808 Health Care Issues, Policy, and Economics 3 hrs

NURSE EDUCATOR / CLINICAL NURSE LEADER TRACKS
- Takes the following 12 credits (nine graduate credits also applied to MSN)
  - NGR 5003 Advanced Health Assessment and Diagnostic Reasoning and 2 hrs
  - NGR 5003L Advanced Health Assessment and Diagnostic Reasoning (Lab) and Pathophysiological Bases for Advanced Nursing Practice and 3 hrs
  - NUR 5638 Health Promotion and 3 hrs
  - NUR 4828 Nursing Leadership, Management and Role Transition 3 hrs

NURSING LEADERSHIP & MANAGEMENT TRACK
- Takes the following 12 credits (nine graduate credits also applied to MSN)
  - NGR 5720 Organizational Dynamics and 3 hrs
  - NGR 5800 Theory for Advanced Practice Nursing and 3 hrs
  - NGR 5871 Health Care Informatics and 3 hrs
  - NUR 3065 Health Assessment and 2 hrs
  - NUR 3065L Health Assessment Lab 1 hr

5. Restricted Electives (27 hrs)

Upper Division Credit
- May be met by validation
  - NUR 3028 Essentials of Nursing Practice 2 hrs
  - NUR 3028L Essentials of Nursing Practice Lab 1 hr
  - NUR 3225L Nursing Care of the Adult I: Clinical Practice 3 hrs
  - NUR 3225L Nursing Care of the Adult I 3 hrs
  - NUR 3445 Nursing Care of Families 3 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
Accelerated Undergraduate-Graduate Programs

NUR 4535  Psychiatric Mental Health Nursing          3 hrs
NUR 4535L Psychiatric Mental Health Clinical         2 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).
   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 “B” (3.0) or better
- Cumulative 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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Health Services Administration

Certificates
- Aging Studies

Related Minors
- Health Sciences
- Health Services Administration
- Psychology

Advising Notes
- None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Shared Courses
- None

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: $25 per term
- Full-Time Student: $50 per term
The University offers five specialized degree programs for students who have graduated from a Florida Community College with an A.S. degree in one of the following five programs: Applied Science, Criminal Justice Technology, Business Administration, Hospitality Management, and Nursing.

Students who wish to transfer to UCF under the provisions of the state-wide articulated A.S. requirements must meet the following 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 this program. The pre-2000 community college 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 may only transfer from the specific major to the specific major; e.g., Business Administration to General Business. One cannot, for example, transfer an A.S. in Business Administration to a B.S. in Accounting under this agreement.

4. Students should write on the front of their application for admission to UCF, “A.S. - B.A./B.S.” or select the appropriate major on the on-line application, designating their desire to participate in the articulation agreement.

5. Students 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 the student’s 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.

**Applied Science - A.S. to B.S. Track (B.A.S.)**

**Office of Undergraduate Studies**

**Office of Interdisciplinary Studies,**

12201 Research Parkway, Room: Suite 101

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

Helen Hill, Director of Regional Campuses, 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.

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 state or community 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 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 36 hours at UCF.

If students wish to take an upper division course at the main Orlando campus, they should see a Regional Campus academic advisor. This will be allowed only on a very limited basis and under highly extenuating circumstances. If you have any questions regarding this policy or procedure, please contact the Director of Regional Campuses Advising at 407-823-4547.

Completion program only for individuals who have a statewide articulated A.S. from a Florida public state or community college.

**Admission Requirements**

- Completion of an A.S. degree from a Florida public state or community college which included at least 15 hours of transferable general education courses. Other applicants will be given individual review.

**Degree Requirements**

- 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 CLAS, Gordon Rule, Foreign Language Admission and General Education.

1. **UCF General Education Program (GEP)** (36 hrs)

   - Students will complete their remaining General Education courses after admission to UCF. The remaining courses will be determined in consideration of General Education courses completed as part of the articulated A.S. and will come from the following areas:

   **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)** (0 hrs)

   - None

3. **Core Requirements: Basic Level** (10 hrs)

   - MAN 3025 Management of Organizations
   - BUL 3130 Legal and Ethical Environment of Business
   - PLA 3014 Law and the Legal System

   **Select 1:** (4 hrs)

   - ENC 3250 Writing for the Technical Professional
   - ENC 3250 Writing for the Technical Professional

      **Select 2:** (3 hrs)

      - ENC 3241 Writing for the Technical Professional

4. **Core Requirements: Advanced Level** (0 hrs)

   - None

5. **Restricted Electives** (0 hrs)

   - Area of Concentration (Choose one)
   - All tracks are not available at all locations.
### Supervision and Administration Track
- **Take all of the following:**
  - ACG 3082: Accounting For Non-Business Majors 3 hrs
  - INP 3004: Industrial/Organizational Psychology and Systems 3 hrs
  - ISM 3011C: Essentials of Management Information Systems 4 hrs
  - MAN 3302: Essentials of Human Resource Management for Non-Business Majors 3 hrs
  - MAN 3354: Employee Training for Non-Business Majors 3 hrs
  - MAR 3023: Marketing 4 hrs

### Industrial Operations Track
- **Take all of the following:**
  - PLA 3277: The Law of Torts 3 hrs
  - PLA 3205: Civil Practice and Procedure 3 hrs
  - PLA 3155: Legal Writing 3 hrs
  - Select 4: 12 hrs
    - PLA 3108: Law and the Legal System 3 hrs
    - EET 3671: Technical Economic Analysis and Policy 3 hrs
    - ETI 4448: Applied Project Management 3 hrs
    - ETI 4635: Technical Administration and Management 3 hrs
  - ETI 4640: Operations Management for Technologists 3 hrs

### Criminal Justice Track
- **Take all of the following:**
  - CCJ 3014: Crime in America 3 hrs
  - CCJ 3024: Criminal Justice System 3 hrs
- **Select 2:**
  - CJC 3010: Corrections and Penology or Community 3 hrs
  - CJE 4014: Police and Society or Criminal Justice 3 hrs
  - CJI 3510: Prosecution and Adjudication 3 hrs

Six additional hours of CCJ, CJC, CJE, CJI, or CJT courses, selected with the aid of an academic advisor.

### Legal Studies Track
- **Take all of the following:**
  - PLA 3014: Law and the Legal System 3 hrs
  - PLA 3108: Legal Research 3 hrs
- **Select 4:**
  - PLA 3155: Legal Writing or Criminal Law 3 hrs
  - PLA 3205: Civil Practice and Procedure or Criminal Law 3 hrs
  - PLA 3277: The Law of Torts or Criminal Procedure or Criminal Law 3 hrs
  - PLA 4424: The Law of Contracts or Professional Ethics and Liability 3 hrs

### Health Services Administration
- **Take all of the following:**
  - 1 HSA 3111: U.S. Health Care Systems and Policy 3 hrs
  - HSA 4180: Organization & Management for Health Agencies 3 hrs
  - 2 HSA 4191: Health Care Automation and Information Systems 3 hrs
  - HSC 4201: Community Health and Administration 3 hrs
  - 3 HSC 4500: Epidemiology 3 hrs
- **Select 1:**
  - HIM 4508C: Quality Management or Management of Information Systems 3 hrs
  - HSA 4109: Principles of Managed Care or Health Services Administration 3 hrs
  - HSA 4502: Risk Management Systems or Health Systems Management 3 hrs
  - HSA 4702: Health Sciences Research Methods or Health Services Research Methods 3 hrs
  - HSC 4652: Health Law and Ethics 3 hrs

1. HSA 3111 is a prerequisite for all of the following classes
2. PR: CGS 2100C
3. PR: STA 2014C or STA 2023

### Information Technology Track
- **Take all of the following:**
  - 1 PR: STA 2014C or STA 2023
  - 2 PR: CGS 2100C
  - 1 HSA 3111 is a prerequisite for all of the following classes

### Early Childhood Education Track
- **Take all of the following:**
  - EET 3671: Technical Economic Analysis and Policy 3 hrs
  - ETI 4448: Applied Project Management 3 hrs
  - ETI 4635: Technical Administration and Management 3 hrs
  - ETI 4640: Operations Management for Technologists 3 hrs
  - CCJ 3024: Criminal Justice System 3 hrs
  - CCJ 3014: Crime in America 3 hrs
  - CJE 4014: Police and Society or Criminal Justice 3 hrs
  - CJI 3510: Prosecution and Adjudication 3 hrs
  - Select 4: 12 hrs
    - PLA 3108: Law and the Legal System 3 hrs
    - EET 3671: Technical Economic Analysis and Policy 3 hrs
    - ETI 4448: Applied Project Management 3 hrs
    - ETI 4635: Technical Administration and Management 3 hrs
  - ETI 4640: Operations Management for Technologists 3 hrs

Six additional hours of CCJ, CJC, CJE, CJI, or CJT courses, selected with the aid of an academic advisor.

### Capstone Requirements
- None

### 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

### Electives
- None

### Additional Requirements
- None

### Required Minors
- None

### Departmental Exit Requirements
- None

### 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, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required
- 120

### Honors in Major
- None

### Related Programs
- None
Statewide Articulated A.S. To B.S. Programs

Certificates
- None

Related Minors
- None

Advising Notes
- None

Transfer Notes
- Students have the option of completing the state approved general education program at a Florida State or community 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 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 36 hours at UCF.
- Courses taken at community colleges 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.
- All students seeking a baccalaureate degree from State of Florida Institution are required to satisfy the CLAS requirement. Transfer students with more than 60 semester hours who have not met the CLAS requirement may be admitted, but they must satisfy the CLAS requirement during their first semester at UCF.

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/al/academic_learning_compacts.htm

Criminal Justice - A.S. to B.S. Track (B.S.)

College of Health and Public Affairs
Department of Criminal Justice and Legal Studies, Health and Public Affairs, Room: 311
http://www.cohpa.ucf.edu/crim.jus/
E-mail: cjadvise@mail.ucf.edu
Mary Ann Eastep
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 public state or community college)

Admission Requirements
- Completion of a Statewide Articulated A.S. in Criminal Justice from a Florida public state or community college 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 community college
- 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) (0 hrs)
- Completed as part of the approved A.S. program
- See “Common Prerequisites” in the Transfer and Transition Services section.

3. Core Requirements: Basic Level (0 hrs)
- None

4. Core Requirements: Advanced Level (18 hrs)
- CCJ 3024 Crime in America 3 hrs
- CCJ 3024 Criminal Justice System 3 hrs
- CCJ 4701 Research Methods in Criminal Justice 3 hrs
- CJC 3010 Corrections and Penology 3 hrs
- CJE 4014 Police and Society 3 hrs
- CLJ 3510 Prosecution and Adjudication 3 hrs

5. Restricted Electives (30 hrs)
- 27 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

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
- 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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 130
Statewide Articulated A.S. To B.S. Programs

A: Communication Foundations
Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations

C: Mathematical Foundations

D: Social Foundations

E: Science Foundations

2. Common Program Prerequisites (CPP) (18 hrs)

- Must be completed with a “C” (2.0) or better.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

   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 must complete both MAC 2233 and STA 2023 with a “C” (2.0) or better to be waived from ECO 3401.
     ECO 3401 Quantitative Business Tools I 3 hrs
   - or
     MAC 2233 Concepts of Calculus and
     STA 2023 Statistical Methods I 3 hrs

3. Core Requirements: Basic Level (0 hrs)

4. Core Requirements: Advanced Level (32 hrs)

First of subsequent semester in the College of Business Administration:

   BUL 3130 Legal and Ethical Environment of Business 4 hrs
   ECO 3411 Quantitative Business Tools II 4 hrs
   FIN 3403C Business Finance 4 hrs
   GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
   GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
   GEB 3375 Introduction to International Business 4 hrs
   ISM 3011C Essentials of Management Information Systems 4 hrs
   MAN 3025 Management of Organizations 4 hrs
   MAR 3023 Marketing 4 hrs

5. Restricted Electives (15 hrs)

- Students must take one course from each of the following areas. These five courses are restricted to the courses listed below.
- At least two of the following courses must be at the 4000 level.

Finance
FIN 3303 Financial Markets or 3 hrs
FIN 3414 Intermediate Corporate Finance or 3 hrs
FIN 3504 Investment Analysis 3 hrs

Management
GEB 3113 How to Start a Business or 3 hrs
GEB 4435 Moral Foundations of Business or 3 hrs
MAN 3301 Management of Human Resources or 3 hrs
MAN 4240 Organizations: Theory and Behavior or 3 hrs
MAN 4441 Conflict Resolution and Negotiation 3 hrs

Management Information Systems (MIS)
ISM 3253 MIS Techniques or 4 hrs
ISM 4153C Enterprise Information Systems or 3 hrs
ISM 4154 Enterprise Application Development 3 hrs

Marketing
MAR 3403 Sales Force Management or 3 hrs
MAR 3613 Marketing Analysis and Research or 3 hrs
MAR 4156 International Marketing or 3 hrs
MAR 4841 Services Marketing 3 hrs

Statewide Articulated A.S. To B.S. Programs

Honors In Major
- None

Related Programs
- Legal Studies

Certificates
- None

Related Minors
- Legal Studies
- Psychology
- Public Administration

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.academic_learning_compacts.htm

General Business - A.S. to B.S. Track (B.S.B.A.)
College of Business Administration
Department of Management,
Business Administration II, Room: 101
http://www.bus.ucf.edu/
Phone: 407-823-2184

Completion program only for individuals who have statewide articulated A.S. from a Florida public state or community college.

Admission Requirements

- Completion of a Statewide Articulated A.S. in Business Administration from a Florida public state or community college which is composed of 64 hours of course work, including at least 24 hours of transferable General Education courses.

Degree Requirements

- Must complete all Gordon Rule and CLAS requirements prior to admission to this degree.
- Students who change degree programs and select another major must adopt the most current catalog.
- 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.
- Students wanting to major in General Business must apply for admission to the major.
- Final exams will be given during Exam Week.
- Any student receiving a business degree must complete one half (30) of the 60 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.
- Students must have at least a 2.0 GPA in the major and COB. Students majoring in General Business must earn a grade of “C” (2.0) or better in each course applied toward the major.

1. UCF General Education Program (GEP) (12 hrs)

   - Students will complete 12 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 may come from the following areas:

   1. UCF General Education Program (GEP) (12 hrs)

   2. Common Program Prerequisites (CPP) (18 hrs)

   3. Core Requirements: Basic Level (0 hrs)

   4. Core Requirements: Advanced Level (32 hrs)

   5. Restricted Electives (15 hrs)

   - Students must complete both MAC 2233 and STA 2023 with a “C” (2.0) or better to be waived from ECO 3401.
     ECO 3401 Quantitative Business Tools I 3 hrs
   - or
     MAC 2233 Concepts of Calculus and
     STA 2023 Statistical Methods I 3 hrs

   3. Core Requirements: Basic Level (0 hrs)

   4. Core Requirements: Advanced Level (32 hrs)

   First of subsequent semester in the College of Business Administration:

   BUL 3130 Legal and Ethical Environment of Business 4 hrs
   ECO 3411 Quantitative Business Tools II 4 hrs
   FIN 3403C Business Finance 4 hrs
   GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
   GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
   GEB 3375 Introduction to International Business 4 hrs
   ISM 3011C Essentials of Management Information Systems 4 hrs
   MAN 3025 Management of Organizations 4 hrs
   MAR 3023 Marketing 4 hrs

   5. Restricted Electives (15 hrs)

   - Students must take one course from each of the following areas. These five courses are restricted to the courses listed below.
   - At least two of the following courses must be at the 4000 level.

   Finance
   FIN 3303 Financial Markets or 3 hrs
   FIN 3414 Intermediate Corporate Finance or 3 hrs
   FIN 3504 Investment Analysis 3 hrs

   Management
   GEB 3113 How to Start a Business or 3 hrs
   GEB 4435 Moral Foundations of Business or 3 hrs
   MAN 3301 Management of Human Resources or 3 hrs
   MAN 4240 Organizations: Theory and Behavior or 3 hrs
   MAN 4441 Conflict Resolution and Negotiation 3 hrs

   Management Information Systems (MIS)
   ISM 3253 MIS Techniques or 4 hrs
   ISM 4153C Enterprise Information Systems or 3 hrs
   ISM 4154 Enterprise Application Development 3 hrs

   Marketing
   MAR 3403 Sales Force Management or 3 hrs
   MAR 3613 Marketing Analysis and Research or 3 hrs
   MAR 4156 International Marketing or 3 hrs
   MAR 4841 Services Marketing 3 hrs
Statewide Articulated A.S. To B.S. Programs

**Economics**
- ECO 4703 is required. ECP 3203 and ECP 3223 are restricted electives only. With permission of an Economics advisor, any other 3000 or 4000 level ECO, ECP, or ECS course may be substituted as an Economics restricted elective. This substitution must be petitioned and have written approval.
  - ECO 3223 Money and Banking **and** 3 hrs
  - ECP 3203 Labor Economics **and** 3 hrs
  - ECP 4703 Managerial Economics **and** 3 hrs

**A.S. Transfer Courses**
- Twelve credit hours taken under the A.S. to B.S. agreement will be counted toward the degree.

**6. Capstone Requirements** (4 hrs)
- MAN 4720 Strategic Management 4 hrs
- This course should be taken in the graduating term and requires the following prerequisites:
  - FIN 3403C Business Finance 4 hrs
  - GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
  - MAN 3025 Management of Organizations 4 hrs
  - MAR 3023 Marketing 4 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**
- Must be outside of the College of Business (variable)

**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, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**
- 132

**Honors In Major**
- None

**Related Programs**
- None

**Certificates**
- None

**Related Minors**
- None

**Advising Notes**
- Florida Public Community College 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.
- Any student receiving a business degree must complete one half (30) of the 60 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.
- 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**
- Courses taken at community colleges 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.
- ACG X001 and X011 will substitute for ACG 2021 at UCF

**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

**Equipment Fees**
- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

**Hospitability Management - A.S. to B.S. Track (B.S.)**

**Rosen College of Hospitality Management**

**Department of Hospitality Services, 9907 Universal Boulevard, Orlando, FL 32819**

**E-mail: 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 public state or community college 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

**Degree Requirements**
- None

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
### Statewide Articulated A.S. To B.S. Programs

#### D: Social Foundations

#### E: Science Foundations

#### 2. Common Program Prerequisites (CPP) (3 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 1105</td>
<td>College Algebra</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### 3. Core Requirements: Basic Level (3 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 1080</td>
<td>Introduction to the Hospitality and Tourism Industry</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### 4. Core Requirements: Advanced Level (27 hrs)

**Hospitality Management Core (27 hrs)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 3431</td>
<td>Hospitality Industry Managerial Accounting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3540</td>
<td>Guest Services Management I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4286</td>
<td>Hospitality Communications</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4295</td>
<td>Leadership and Strategic Management in Hospitality Industry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4464</td>
<td>Hospitality Industry Finance</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4941</td>
<td>Internship</td>
<td>1 hr</td>
</tr>
<tr>
<td>HFT 4944</td>
<td>Practicum</td>
<td>1 hr</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>CGS 2100C</td>
<td>Computer Fundamentals for Business or GEP</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:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 2013</td>
<td>Principles of Macroeconomics or GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 2023</td>
<td>Principles of Microeconomics or GEP</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### 5. Restricted Electives (15 hrs)

- Students should select one of the following options to fulfill their restricted electives requirement:
  - **Restricted Electives (15 hrs)**
    - Students must take 15 credit hours (five courses) of Hospitality Management courses in the restricted electives of the other two degree programs (Restaurant and Foodservice Management B.S. and/or Event Management B.S.) offered by the Rosen College.
    - Please note: No more than three courses (nine credit hours) may be taken from the restricted electives of either one of these two other degree programs of the Rosen College of Hospitality Management.

**Specialized Tracks (15 hrs)**

- Or students must complete one of the following Hospitality Management Specialized Tracks offered by the Rosen College as outlined below to satisfy the restricted elective requirement.

**Theme Park and Attraction Mgmt Track (15 hrs)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 3784</td>
<td>Amusement Technology or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4532</td>
<td>Managing the Employee Experience in the Theme Park and Attraction Industry or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4614</td>
<td>Risk Management in Theme Parks and Attractions or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4758</td>
<td>Contemporary Issues in the Theme Park and Attraction Industry or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4759</td>
<td>Product Development in Theme Parks and Attraction or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4786</td>
<td>Managing the Guest Experience in the Theme Park and Attraction Industry or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4787</td>
<td>Operational Issues in the Theme Park and Attraction Industry or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4795</td>
<td>Entertainment Arts and Events</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Golf and Club Management Track (15 hrs)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 1350</td>
<td>Career &amp; Promotional Development in Golf or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 1356</td>
<td>Concepts and Practices of Golf Associations or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 2359</td>
<td>Design &amp; Maintenance of Golf Equipment or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3353</td>
<td>Golf Planning &amp; Operations I or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3354</td>
<td>Agronomy for Golf Course Management or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3355</td>
<td>Golf Planning &amp; Operations II or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3357</td>
<td>Golf Event Operations or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3384</td>
<td>Golf and Club Enterprises Management or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4358</td>
<td>Golf Course Facility Design</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

6. Capstone Requirements

- None

7. Foreign Language Requirements

**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

8. Electives

- None

9. Additional Requirements

- Grades of “C-” (1.75) or below do not transfer into the Hospitality Management core or restricted electives.
- 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, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**

- 124
Statewide Articulated A.S. To B.S. Programs

- 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
  - may be substituted with: ACG X001
- HFT 2401  Hospitality Industry Financial Accounting  3 hrs
  - may be substituted with: ACG X011

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

Equipment Fees

- Part-Time Student: $37.50 per term
- Full-Time Student: $75 per term

Nursing - A.S. to B.S.N. Track (B.S.N.)

College of Nursing

HPA-1, Room: 220

http://www.nursing.ucf.edu

E-mail: ucfnurse@mail.ucf.edu

Dr. Jean Leuner, Dean
Dr. Linda Hennig, Associate Dean
Ms. Barbara Lange, RN-BSN Coordinator
Phone: 407-823-2744

Completion program only for those who have a statewide articulated A.S. in Nursing from a Florida state or public community 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. All applicants must have:
  - A minimum overall undergraduate GPA of 2.5
  - Completion of a Statewide Articulated A.S in Nursing from a Florida public state or community college which is composed of 72 hours of course work, including at least 18 hours of transferable General Education courses (graduation 12/00 or later).
  - Individuals who received AS prior to 12/00 or attended school other than a Florida public community or state college should follow section "B" - RN to BSN Program
  - Current RN License or license eligible
  - Criminal background checks are required for all conditionally admitted or waitlisted students for all undergraduate nursing degrees. The results are reviewed as part of the final admission process and may be grounds for denying a student admission to the College of Nursing. Failure to disclose related information on an application may negate the application.

Degree Requirements

- Completion of all common program prerequisite courses with at least a grade of "C" (2.0) or better in each course
  - Students should consult with an advisor in the College of Nursing Undergraduate Student Services Office for questions regarding prerequisite requirements
  - The courses designated in sections 1 and 2 below may be taken at a Florida community or state college or other universities and should usually be completed in the first 60 hours
  - 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: 32 hours

1. UCF General Education Program (GEP)  (36 hrs)

- Students will complete 18 hours of selected General Education courses as part of the articulated AS. The specific courses will be determined in coordination with 18 hours of General Education courses completed. Student must complete remaining General Education courses, prerequisites, and foreign language admission requirements prior to NUR 3634 Community Health Nursing. Students completing the General Education requirements at a Florida community college must complete those courses prior to their last 30 hours at UCF.

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  MAC 1105  College Algebra  3 hrs

C: Mathematical Foundations  (6 hrs)

- Required  STA 2014C  Principles of Statistics  3 hrs

D: Social Foundations  (6 hrs)

- Required  SYG 2000  Introduction to Sociology  3 hrs

E: Science Foundations  (6 hrs)

- Required  BSC 2010C  Biology I  4 hrs

Select one of the following sequences of courses:

- Science Foundation is 6 credit hours for General Education Program. However the nursing program prerequisite requires 4 CHM credits. To earn this, the student must also take the CHM 1032 lab. BSC 2010C is needed as a course prerequisite for Anatomy and Physiology and Health Microbiology.
  
- Suggested  CHM 1032  General Chemistry and  3 hrs
  - Suggested  CHM 1032L  General Chemistry Laboratory  1 hr

or

- Suggested  PCB 3703C  Human Physiology and  4 hrs
  - Suggested  ZOO 3733C  Human Anatomy  4 hrs

or

- Anatomy & Physiology I & II  6 hrs

2. Common Program Prerequisites (CPP)  (19 hrs)

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
  
- Select 1:  3 hrs
  - STA 2014C  Principles of Statistics or
  - STA 2023  Statistical Methods I

- Select 1:  3 hrs
  - DEP 2004  Developmental Psychology or
  - SOW 3104  Assessing I: Human Development

- 1 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. Core Requirements: Basic Level  (0 hrs)

- None
4. Core Requirements: Advanced Level (51 hrs)

UCF Core
- NUR 3065 Health Assessment 2 hrs
- NUR 3065L Health Assessment Lab 1 hr
- NUR 3165 Nursing Research 3 hrs
- NUR 3634 Community Health Nursing 3 hrs
- NUR 3805 Dimensions of Professional Nursing Practice 3 hrs
- NUR 4604L Practicum in Community and Public Health Nursing for RNs 4 hrs
- NUR 4637 Public Health Nursing 2 hrs
- NUR 4828 Nursing Leadership, Management and Role Transition 3 hrs
- NUR 4837 Health Care Issues, Policy, and Economics 3 hrs

Upper Division Credit 27 hrs
- NUR 3028 Essentials of Nursing Practice 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 3225L 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

5. Restricted Electives (6 hrs)
NUR XXXX Any two upper division nursing 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
- None

8. Electives
- variable to meet degree requirements

9. Additional Requirements

Progression Requirements:
- Prior to NUR 3805: RN status or eligible to take NCLEX.
- Prior to NUR 3165: Complete NUR 3805 and Statistics course with grade of “C” (2.0) or better.
- Prior to NUR 3634 Community Health Nursing: 1) Be admitted to the Nursing Program; 2) complete general education requirements or A.A. from a Florida Community or State College or University (SUS); 3) complete Nursing prerequisites; 4) satisfy CLAS requirement; and 5) complete foreign language admission requirement.

Other:
- Selected Courses may be offered at regional campuses.
- The RN to BSN course work is offered online. Some on-campus labs and clinical practice may be required. 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

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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 128

Honors In Major
- None

Related Programs
- Health Sciences 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 (30 hrs)
- 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

Equipment Fees
- Part-Time Student: $25 per term
- Full-Time Student: $50 per term
For example, a freshman composition skills course is offered by 58 different postsecondary institutions. Each institution uses "ENC 101" to identify its freshman composition skills course. The level code is the first digit and represents the year in which students normally take the course at a specific institution. In the SCNS taxonomy, “ENC” means “English Composition,” the century digit “1” represents “Freshman Composition,” the decade digit “0” represents “Freshman Composition Skills,” and the unit digit “1” represents “Freshman Composition Skills I.” In the sciences and certain other areas, a “C” or “L” after the course number is known as a lab indicator. The “C” represents a combined lecture and laboratory course that meets in the same place at the same time. The “L” represents a laboratory course or the laboratory part of a course, having the same prefix and course number without a lab indicator, which meets at a different time or place.

Transfer of any successfully completed course from one participating institution to another is guaranteed in cases where the course to be transferred is equivalent to one offered by the receiving institution. Equivalencies are established by the same prefix and last three digits and comparable faculty credentials at both institutions. For example, ENC 1101 is offered at a community college. The same course is offered at a state university as ENC 2101. A student who has successfully completed ENC 1101 at the community college is guaranteed to receive transfer credit for ENC 2101 at the state university if the student transfers. The student cannot be required to take ENC 2101 again since ENC 1101 is equivalent to ENC 2101. Transfer credit must be awarded for successfully completed equivalent courses and used by the receiving institution to determine satisfaction of requirements by transfer students on the same basis as credit awarded to the native students. It is the prerogative of the receiving institution, however, to offer transfer credit for courses successfully completed that have not been designated as equivalent. Note: Credit generated at institutions on the quarter-term system may not transfer the equivalent number of credits to institutions on the semester-term systems. For example, 4.0 quarter hours often transfers as 2.67 semester hours.

The Course Prefix
The course prefix is a three-letter designator for a major division of an academic discipline, subject matter area, or sub-category of knowledge. The prefix is not intended to identify the department in which a course is offered. Rather, the content of a course determines the assigned prefix to identify the course.

Authority for Acceptance of Equivalent Courses
Section 1007.24(7), Florida Statutes, states:
Any student who transfers among postsecondary institutions that are fully accredited by a regional or national accrediting agency recognized by the United States Department of Education and that participate in the statewide course numbering system shall be awarded credit by the receiving institution for courses satisfactorily completed by the student at the previous institutions. Credit shall be awarded if the courses are judged by the appropriate statewide course numbering system faculty committees representing school districts, public postsecondary educational institutions, and participating nonpublic postsecondary educational institutions to be academically equivalent to courses offered at the receiving institution, including equivalency of faculty credentials, regardless of the public or nonpublic control of the previous institution. The Department of Education shall ensure that credits to be accepted by a receiving institution are generated in courses for which the faculty possess credentials that are comparable to those required by the accrediting association of the receiving institution. The award of credit may be limited to courses that are entered in the statewide course numbering system. Credits awarded pursuant to this subsection shall satisfy institutional requirements on the same basis as credits awarded to native students.
Exceptions to the General Rule for Equivalency

Since the initial implementation of the SCNS, specific disciplines or types of courses have been excepted from the guarantee of transfer for equivalent courses. These include varying topics courses that must be evaluated individually, or applied courses in which the student must be evaluated for mastery of skill and technique. The following courses are exceptions to the general rule for course equivalencies and may not transfer. Transferability is at the discretion of the receiving institution.

A. Courses not offered by the receiving institution.

B. For courses at non-regionally accredited institutions, courses offered prior to the established transfer date of the course in question.

C. Courses in the 900-999 series are not automatically transferable, and must be evaluated individually. These include such courses as Special Topics, Internships, Practica, Study Abroad, Thesis, and Dissertations.

D. College preparatory and vocational preparatory courses.

E. Graduate courses.

F. Internships, 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 are not guaranteed as transferable.

Courses at Nonregionally Accredited Institutions

The Statewide Course Numbering System makes available on its home page (http://scns.fldoe.org) a report entitled “Courses at Nonregionally Accredited Institutions” that contains a comprehensive listing of all nonpublic institution courses in the SCNS inventory, as well as each course’s transfer level and transfer effective date. This report is updated monthly.

Questions about the Statewide Course Numbering System and appeals regarding course credit transfer decisions should be directed to Dr. Elliot Vittes, Associate Dean, Undergraduate Studies, Millican Hall 210, University of Central Florida, 4000 University Plaza, Orlando, Florida 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 Statewide Course Numbering System office at (850) 245-0427 or via the internet at http://scns.fldoe.org.

Common Course Numbering System

ABE Biological and Physical Sciences
ABT Arabic Culture in Translation or Translation Skills
ABW Arabic Literature (Writings)
ACG Accounting: General
ACD Accounting: Occupational/Technical Variable Paced
ACR HVAC/R: Heating/Ventilation/Air Conditioning/Refrigeration: Technology and Trades
ADE Adult Education
ADV Advertising
AEB Agricultural Economics and Business
AEE Agriculture and Extension Education
AER Automotive Mechanics
AF AFA African-American Studies
AFH African History
AFR Aerospace Studies
AFS African Studies
AGAE Agricultural Engineering (Discontinued Effective 2005)
AGG Agriculture - General
AGR Agronomy
AHM Arabic Language
AHT Arabic Culture in Translation or Translation Skills
AHW Amharic Literature (Writings)
AKA Akan Language
AKT Akan Culture in Translation or Translation Skills
AM American History
AML American Literature
AMS American Studies
AMT Aviation Maintenance Technology
ANG Anthropology - Graduate
ANS Animal Science
ANT Anthropology
APM Agricultural Operations Management
APA Applied Accounting
APK Applied Kinetics
ARA Arabic Language
ARC Architecture
ARD Architectural Design
ARE Art Education
ARR Art History
ARR Auto Body Repair and Refinishing
ART Art
ARV Art, Vocational
ASC Aviation Science: General
ASH Asian History
ASL American Sign Language
ASM Asian Studies
AST Astronomy
ATE Animal Science Technology
ATT Aviation Technology: Flight
ATT Aviation Technology: Theory
AVM Aviation Management
AVS Avionics
AYM Ayurveda
BAN Banking
BBA Building Construction Appointments
BCA Basic Clinical Clerkships (Required)
BCH Biochemistry (Biophysics)
BCN 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)
BS Biological Sciences
BTE Business Teacher Education
BUL Business Law
CAP Computer Applications
CAS Clinical Audiology and Speech Language Pathology (Disc 8906)
CAT Catalan Language
CBH Comparative Psychology and Animal Behavior
CCE Civil Construction Engineering
CCC Criminal Justice
CDI Computer Design/Architecture
CEG Civil Geotechnical Engineering
CEN Computer Software Engineering
CES Civil Engineering Structures
CET Computer Engineering Technology
CHG Civil Engineering
CGS Computer General Studies
CHD Child Development
CHI Chinese
CHM Chemistry
CHR Chiropractic
CHS Chemistry - Specialized
CIT Chinese Culture in Translation or Translation Skills
CID Chinese Literature (Writings)
CIS Computer Science and Information Systems
CJB College Level Application in Criminal Justice
CJC Corrections
CDJ Criminal Justice Development
CJE Law Enforcement
CJU Juvenile Justice
CJK Criminal Justice Basic Training (A.A.S or Vocational)
CJL Law & Process
CJT Criminal Justice Technologies
CLA Classical and Ancient Studies
CLP Clinical Psychology
CLT Classical Culture in Translation or Translation Skills
CMC Corporate Media Communication
CMR Corporate Media Communication
CMN Corporate Media Communication
Cog Computer Networks
COA Consumer Affairs
COE Cooperative Education
COM Communication
COP Computer Programming
COS Cosmetology
COT Computing Theory
CPO Comparative Politics
CPS Comparative Policy Studies (Multinational)
CTC Cardiopulmonary Technology
CRW Creative Writing
CSS Cosmetology - Specialized
CST Comparative Studies
CTE Home Economics: Clothing and Textiles
CTS Computer Technology and Skills
CVT Cardiovascular Technology
CWR Civil Water Resources
CYP Community Psychology
CZE Czech Language
CZT Czech Culture in Translation or Translation Skills
CWZ Czech Literature (Writings)
DAA Dance, Emphasis On Activity
DAE Dance Education
DAN Dance
DAR Dance
DAS Daily Science (Discontinued Effective 2005)
DCP Design, Construction and Planning
DEA Dental Assisting
DEC Marketing and Distributive Education
DEH Dental Hygiene
DEM Demography
DEN Dentistry
DEP Developmental Psychology
DES Dental Support
DIE Dietetics
DIG Digital Media
DIM Diesel Mechanics
DSC Domestic Security
DTE Dental Laboratory Technology
DUT Dutch Language
EAB Experimental Analysis Of Behavior
EAP English As A Second Language
EAS Aerospace Engineering
EBO Education: Emotional/Behavioral Disorder
ECH Engineering: Chemical
ECM Engineering: Computer Math
ECO Economics
### Common Course Numbering System

<p>| ECP | Economic Problems &amp; Policy |
| ECS | Economic Systems &amp; Development |
| EDA | Educational Administration |
| EDE | Education: Foundations and Policy Studies |
| EDG | Education: General |
| EDH | Education: Higher |
| EDM | Education: Middle School |
| EDP | Education: Exceptional Child - Core Competencies |
| EGC | Counselor Education |
| EGI | Education: Gifted |
| EGM | Engineering Science |
| EGR | Engineering: General |
| EGS | Engineering: Support |
| EHD | Education: Hard Of Hearing &amp; Deaf |
| EIA | Education: Industrial Arts |
| EIN | Industrial Engineering |
| EVN | Education: Industrial/Vocational |
| ELD | Education: Specific Learning Disabilities |
| ELR | Prefix Discontinued. All Courses Reassigned |
| EMA | Materials Engineering |
| EMC | Engineering: Mechanical &amp; Chemical |
| EME | Engineering: Technology and Media |
| EML | Engineering: Mechanical |
| EMR | Education: Mental Retardation |
| EMS | Emergency Medical Services |
| ENC | English Composition |
| ENG | English - General |
| ENL | English Literature |
| ENS | English For Non-Native Speakers |
| ENU | Engineering: Nuclear |
| ENV | Engineering: Environmental |
| ENY | Entomology |
| EOC | Ocean Engineering |
| EPG | Education: Physical &amp; Multiple Disabilities |
| EPH | Education: Physical &amp; Multiple Handicapped |
| EPI | Educator Preparation Institutes |
| ESC | Earth Science |
| ESE | Education: Secondary |
| ESI | Industrial/Systems Engineering |
| ESL | College-Prep English For Non-Native Speakers (Disc. Eff. 2005) |
| ENT | Entrepreneurship |
| ENU | Engineering: Nuclear |
| ENV | Engineering: Environmental |
| ENS | English For Non-Native Speakers |
| ENU | Engineering: Nuclear |
| EEP | Engineering: Education and Technology Drafting |
| ETC | Engineering: Technology: General |
| ETE | Engineering Technology: Industrial |
| ETM | Engineering Technology: Mechanical |
| ETN | Electroneurodiagnostics |
| EUN | European Languages History |
| EUS | European Studies |
| EVI | Education: Visually Impaired-Blind |
| EVR | Environmental Studies |
| ESV | Environmental Science (Discontinued Effective 2005) |
| EYT | Education: Vocational/Technical |
| EXP | Experimental Psychology |
| FAD | Home Economics: Family Development |
| FAM | Fashion Modeling |
| FAS | Fishery &amp; Aquacultural Science |
| FES | Fire and Emergency Services |
| FFP | Fire Fighting &amp; Protection |
| FIL | Film |
| FIN | Finance |
| FLE | Foreign Language Education |
| FNR | Forestry &amp; Natural Resources |
| FOL | Foreign Languages |
| FOR | Forestry |
| FOS | Food Science |
| FOT | Foreign Languages (In Translation) |
| FOW | Foreign Languages, Comparative Literature |
| FRC | Fruit Crops |
| FRE | French Language |
| FRT | French Culture in Translation or Translation Skills |
| FRW | French Literature (Writings) |
| FSE | Funeral Services |
| FSS | Food Service Systems |
| FYC | Family, Youth and Community |
| GCO | Golf Course Operations |
| GEA | Geography: Regional Areas |
| GEB | General Business |
| GEO | Geography: Systematic |
| GER | German |
| GET | German Culture in Translation or Translation Skills |
| GEW | German Literature (Writings) |
| GEY | Gerontology |
| GFD | Geophysical Fluid Dynamics |
| GIS | Geography: Information Science |
| GLS | Graduate Liberal Studies |
| GLY | Geology |
| GMS | Graduate Medical Sciences |
| GMT | Modern Greek Culture in Translation or Translation Skills |
| GRA | Graphic Arts |
| GRE | Classical Greek (Language Study) |
| GRG | Graphic Arts - Graduate-Level |
| GRK | Modern Greek Language |
| GWG | Classical Greek Literature (Writings) |
| HAI | Haitian Creole Language |
| HAT | Haitian Culture in Translation or Translation Skills |
| HBR | Modern Hebrew Language |
| HBT | Modern Hebrew Culture in Translation or Translation Skills |
| HCP | Health-Care Providers (Assistants) |
| HCE | Home Economics/Community |
| HEE | Home Economics Education |
| HEV | Home Economics - Vocational |
| HFT | Hospitality Management |
| HHR | Human Resource Management |
| HIM | Health Information Management |
| HIN | Hindi Language |
| HIS | General History and Historiography |
| HIT | Hindi Culture in Translation or Translation Skills |
| HLD | Indian Literature (Writings) |
| HLP | Health/Leisure/Physical Education |
| HME | Home Economics: Home Management and Equipment |
| HMV | Hospitality Management, Vocational |
| HNW | Hungarian Literature (Writings) |
| HOS | Horticultural Sciences |
| HPS | History and Philosophy of Science |
| HRD | Human Resources Development |
| HSA | Health Services Administration |
| HSC | Health Sciences |
| HUM | Humanities |
| HUN | Human Nutrition |
| HUS | Human Services |
| ICM | International Construction Management |
| ICW | Icelandic Literature |
| IDC | Interdisciplinary Computing |
| IDI | Interdisciplinary Design |
| IDM | Interdisciplinary Honors |
| IDN | Indonesian Language |
| IDS | Interdisciplinary Studies |
| IDT | Indonesian Culture in Translation or Translation Skills |
| IDW | Indonesian Literature (Writings) |
| IEA | Industrial Education Applied |
| IHS | Interdisciplinary Health Sciences |
| IND | Interior Design |
| INP | Industrial and Applied Psychology |
| INR | International Relations |
| INS | International Studies |
| INT | Sign Language Interpreting |
| IPM | Integrated Pest Management |
| ISC | Interdisciplinary Sciences |
| ISM | Information Systems Management |
| ISS | Interdisciplinary Social Sciences |
| ITA | Italian Language |
| ITT | Italian Culture in Translation or Translation Skills |
| ITW | Italian Literature (Writings) |
| JOU | Journalism |
| JPN | Japanese |
| JPT | Japanese Culture in Translation or Translation Skills |
| JPW | Japanese Literature (Writings) |
| JST | Jewish Studies |
| KOR | Korean Language |
| KOT | Korean Culture in Translation or Translation Skills |
| KOW | Korean Literature (Writings) |
| LAH | Landscape Architecture |
| LAE | Language Arts and English Education |
| LAH | Latin American History |
| LAS | Latin American Studies |
| LAT | Latin Language (Study) |
| LAW | Law |
| LBS | Labor Studies |
| LDE | Landscape Design |
| LDR | Leadership Studies |
| LEI | Leisure |
| LGL | Lingala Language |
| LGT | Lingala Culture in Translation or Translation Skills |
| LGW | Lingala Literature (Writings) |
| LIN | Linguistics |
| LIS | Library and Information Studies |
| LIT | Literature |
| LNW | Latin Literature (Writings) |
| MAA | Mathematics - Analysis |
| MAC | Mathematics - Calculus and Precalculus |
| MAD | Mathematics - Discrete |
| MAE | Mathematics Education |
| MAG | Mechanized Agriculture (Discontinued Effective 2005) |
| MAN | Management |
| MAP | Mathematics Applied |
| MAR | Marketing |
| MAS | Mathematics - Algebraic Structures |
| MAT | Mathematics |
| MCB | Microbiology |
| MCC | Special Topics in Mass Communication |
| MDW | Midwifery |
| MEA | Medical Assisting Technology |
| MEL | Medical Science Electives |
| MEM | Medieval and Early Modern Studies |
| MET | Meteorology |
| MGF | Mathematics - General and Finite |
| MHI | Mathematics - History and Foundations |
| MHS | Mental Health Services |
| MIS | Military Science |
| MKA | Marketing Applications |
| MLS | Medical Laboratory Science |
| MLT | Medical Laboratory Technology |
| MMC | Mass Media Communication |
| MNA | Management: Applied |
| MOB | Molecular Biophysics |
| MOM | Motorcycle Mechanics |
| MRE | Medical Records (Discontinued Effective 2003) |
| MSL | Military Science and Leadership |
| MSJ | Marine Science and Technology |
| MSL | Missionary Society of Jesus |
| MTB | Mathematics - Technical and Business |
| MTE | Marine Technology and Nautical Science |</p>
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>MTG</td>
<td>MTG Mathematics - Topology and Geometry</td>
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<td>MTS</td>
<td>MTG Medical Transcription Science</td>
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<td>MUC</td>
<td>MTG Music: Composition</td>
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<td>MUE</td>
<td>MTG Music: Education</td>
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<td>MTG Music: Conducting</td>
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<td>MTG Music: History/Musicology</td>
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<td>MUL</td>
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<td>MTG Music: Commercial/Management/Administration</td>
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<td>MTG Music: Church</td>
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<td>MTG Geological Oceanography</td>
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<td>MTG Physical Oceanography</td>
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<td>OCT</td>
<td>MTG Occupational Office Technology</td>
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<td>OPT</td>
<td>MTG Ophthalmology/Technology/Vision Care</td>
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<tr>
<td>ORH</td>
<td>MTG Ornamental Horticulture</td>
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<tr>
<td>ORI</td>
<td>MTG Oral Interpretation</td>
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<td>MTG Ornamental Horticulture (Variable Paced)</td>
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<td>OSE</td>
<td>MTG Optical Science and Engineering</td>
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<td>MTG Parks and Zoos</td>
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<td>PCH</td>
<td>MTG Public Health Concentration</td>
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<td>PHP</td>
<td>MTG Philosophy, History Of</td>
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<td>MTG Philosophy</td>
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<td>PFM</td>
<td>MTG Philosophy Of Man and Society</td>
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<td>PLA</td>
<td>MTG Paralegal/Legal Assistant/Legal Administration</td>
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<td>MTG Plant Pathology</td>
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<td>PRN</td>
<td>MTG Practical Nursing</td>
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<td>PRO</td>
<td>MTG Prosthetics/Orthotics</td>
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<td>PTA</td>
<td>MTG Precision Technology Apprenticeships</td>
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<td>SHD</td>
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<td>SHE</td>
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<td>SLA</td>
<td>MTG Second Language Acquisition/Instructional Technology</td>
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<td>SLS</td>
<td>MTG Slave Languages</td>
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<td>MTG Science or Mathematics Teaching</td>
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<td>SON</td>
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<td>SOD</td>
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<td>SPA</td>
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<td>VAR</td>
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<td>VEC</td>
<td>MTG Vegetable Crops</td>
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<td>VEM</td>
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<td>ZOO</td>
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Common Course Numbering System

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 Undergraduates Grad
Directed Independent Studies  1905, 1906, 2903, 3905, 4906, 5907
Directed Independent Research   1912, 1917
Special Undergraduate Research         IDS 3913, 4914
Special Topics/Seminars      1931, 2930, 3930, 4932, 5937
*Internship, Practicums, Clinical Prac  3940, 4941, 5944
Cooperative Education†        1949, 2949, 3949, 4949, 5949
Honors Undergraduate Thesis   3970H, 4970H
Honors Directed Reading†      4903H
Honors Directed Reading‡      4904H
Study Abroad                  4955, 5957

*These courses may be assigned variable credit. Some may be repeated upon approval.
†The Special Graduate Courses are primarily for graduate students, but may be taken by advanced seniors with the consent of their deans.
‡Enrollment is limited to those students who are fully admitted to the Graduate 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-ART     3(2,4)

ART 2500C is offered by the College of Arts and Humanities (CAH), in the Department of Art (ART), carries 3 hours of credit but requires 6 contact hours which consist of 2 hours in class and 4 hours laboratory or field work.


AGC 2071 BA-ACCT 3(3,0) Principles of Managerial Accounting: PR: AGC 2021 and MAC 1105 or equivalent. The purpose of this class is to thoroughly familiarize the student with the various uses of accounting information for planning and control. Fall, Spring.

AGC 3008 BA-ACCT 3(0,0) Accounting For Non-Business Majors: PR: Junior Standing. Accounting and reporting from an investment and managerial decision making perspective. Occasional.

AGC 3131 BA-ACCT 3(3,0) Financial Accounting Concepts and Analysis: PR: Junior Standing. Accounting major or minor, and AGC 2071 with a grade of “C” (2.0) or better. Technical knowledge about accounting measurement, and disclosure plus the study of how accounting reports are analyzed, and interpreted by external users. Fall, Spring.

AGC 3141 BA-ACCT 3(3,0) Intermediate Financial Accounting II: PR: Accounting major or minor. AGC 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.

AGC 3361 BA-ACCT 3(3,0) Cost Accounting I: PR: Junior standing. Accounting major or minor, and MAC 1105, ECO 2013, ECO 2023, and AGC 2071 with a grade of “C”. Theory and practice of using accounting information for managerial planning, and control as well as in costing, and pricing decisions. Fall, Spring.

AGC 3501 BA-ACCT 3(0,0) Financial Accounting for Governmental and Nonprofit Organizations: PR: Accounting major or minor, and a grade of “C” (2.0) or better in AGC 3131. Application of financial accounting for governmental and nonprofit organizations. Fall, Spring.


AGC 4401C BA-ACCT 3(0,1) Accounting Information Systems: PR: Accounting major or minor. AGC 3131 and CGS 2100C, with a grade of “C” or better. Manual and computer-based accounting information systems. Fall, Spring.

AGC 4651 BA-ACCT 3(3,0) Auditing: PR: Accounting major or minor. AGC 3141 and AGC 4401C with a grade of “C” or better. The standards, practices, and procedures followed in the audit function. Fall, Spring.

AGC 4671 BA-ACCT 3(3,0) Internal Auditing: PR: Accounting major or minor. AGC 3121 or AGC 3363. Theory and practice of internal auditing and the use of internal auditing in organizational control. Fall, Spring.

AGC 4803 BA-ACCT 3(3,0) Contemporary Issues in Accounting: PR: AGC 3141, AGC 3361, AGC 4401C, TAX 4001. A study of accounting that integrates knowledge gained in previous accounting coursework through critical analysis, practical research assignments, and capstone cases. Fall, Spring.

AED 4382 ED-TLP 3(3,0) Teaching Adult Learners in Technical Programs: PR: EVT 3365 or CI. Planning for and teaching of adult learners in formal & informal technical settings. Fall, Spring.

ADV 3008 COS-COMM 3(3,0) Principles of Advertising: PR: SPC 1608, or SPC 1618, or SPC 1628, or SPC 1638, or SPC 5008. The role of advertising in society and the economy. Fall, Spring.

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 ad media. Fall, Spring.

ADV 4102 COS-COMM 3(3,0) Radio-Television Advertising: PR: RTVF or AD PR majors only and ADV 3008 or CI. Radio 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 majors. Media planning and buying, including basic media terms, calculations, and resources. Fall, Spring.

AFA 2300 CAH-AAS 3(3,0) African American Music: Comprehensive look at music written and made popular by African American. Occasional.

AFA 3102 CAH-AAS 3(3,0) Black Perspectives: A Multidisciplinary Approach: PR: ENC 1102. Key issues and methodologies in African American Studies featuring presentations by representative faculty from various disciplines. Fall, Spring.


AFA 3955 CAH-AAS 6(6,0) Study Abroad in Eastern Caribbean: PR: LAS 4989 or Junior standing. Interdisciplinary study abroad program focuses on the arts and humanities of African diasporic cultures in the Eastern Caribbean. Occasional.


AFA 5930 CAH-AAS 3(3,0) Topics in African American Studies: PR: Graduate standing or senior standing or CI. This interdisciplinary seminar uses primary texts to examine the impact of black culture, aesthetic and philosophical ideas on 20th century American society. Occasional.

AFH 3100 CAH-HIST 3(3,0) African History to 1870: PR: CI. Sub-Saharan African institutions and peoples from the earliest time until 1870. Occasional.

AFH 3200 CAH-HIST 3(3,0) African History Since 1870: PR: CI. Sub-Saharan African History from 1870 to the present. Occasional.

AFH 5259 CAH-HIST 3(3,0) Colloquium in African History: PR: Graduate standing or CI. Readings on selected topics in African History. May be used in the degree program a maximum of 3 times. Odd Fall.

AFH 5806 CAH-HIST 3(3,0) The Historiography of Slavery in Africa: PR: Graduate standing or senior standing or CI. Course covers the central issues and controversies in the historiography of slavery in Africa. Occasional.

AIR 1101C ECS-AFROTC 1(1,2) The Air Force Today I: History, mission, organization, and doctrine of the United States Air Force and a study of U.S. Strategic Offensive and Defensive Forces. Hands on training. Fall.

AIR 1111C ECS-AFROTC 1(1,2) The Air Force Today II: A brief review of the Army, Navy, and Marine forces. An introduction to special operations and counterinsurgency. Spring.

AIR 2130C ECS-AFROTC 1(1,2) The Development of Air Power I: A study of the development of air power from experiments by 18th-century balloonists to the achievement of combat air power capabilities during World War II. Hands on training. Fall.

AIR 2131C ECS-AFROTC 1(1,2) The Development of Air Power II: A study of the development of aerospace capabilities since World War II, highlighting technological advancements and the role of aerospace power in the contemporary world. Spring.

AIR 3220C ECS-AFROTC 3(3,2) Air Force Leadership and Management I: An introductory study of Air Force management fundamentals, communications skills, and basic leadership styles. Hands on training. Fall.

AIR 3230C ECS-AFROTC 3(3,2) Air Force Evaluation and Management II: PR: AIR 3220C or CI. A concluding study of Air Force management fundamentals, including performance evaluation skills. Spring.
U.S. Military History Since 1900:
AMH 3547 CAH-HIST 3(3,0)

AMH 3547 CAH-HIST 3(3,0)

AMH 3541 CAH-HIST 3(3,0)

AMH 3442 CAH-HIST 3(3,0)
History of the Frontier: Eastern America: PR: AMH 2010 and AMH 2020, or C.I. The progress of the westward movement from the colonial settlements to the Mississippi, considered as an interpretive approach to American history. Occasional.

AMH 3441 CAH-HIST 3(3,0)
Colonial America, 1607-1763: PR: AMH 2010 and AMH 2020, or C.I. The voyages of discovery, the origins of the thirteen colonies, the evolution of their political, economic, social and religious life in the 17th and 18th centuries. Occasional.

AMH 4112 CAH-HIST 3(3,0)
The Atlantic World: PR: 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.

AMH 4130 CAH-HIST 3(3,0)

AMH 4140 CAH-HIST 3(3,0)

AMH 4160 CAH-HIST 3(3,0)

AMH 4170 CAH-HIST 3(3,0)

AMH 3561 CAH-HIST 3(3,0)

AMH 3562 CAH-HIST 3(3,0)

AMH 3571 CAH-HIST 3(3,0)

AMH 3572 CAH-HIST 3(3,0)

AMH 3586 CAH-HIST 3(3,0)
History of the Hispanic Minorities in the U.S.: Course begins with 16th century through the modern period. Special emphasis on Chicanos, Puerto Ricans, and Cubans. Occasional.
AMH 5116 CAH-HIST 3(3,0) Colloquium in U.S. Colonial History: PR: Graduate standing or senior standing or C.I. Intensive reading and discussion of the literature on selected topics in colonial American history. May be used in the degree program a maximum of 4 times. Occasional.

AMH 5137 CAH-HIST 3(3,0) Colloquium in U.S. Revolutionary Period: PR: Graduate standing or senior standing or C.I. Reading and class discussion of the literature on selected topics in the Revolutionary Era, 1763-1789. Occasional.

AMH 5149 CAH-HIST 3(3,0) Colloquium in Early U.S. History, 1789-1815: PR: Graduate standing or senior standing or C.I. Reading and class discussion of the literature on selected topics of the early national period. Occasional.

AMH 5169 CAH-HIST 3(3,0) Colloquium in Age of Jackson: PR: Graduate standing or senior standing or C.I. Intensive reading and class discussion on selected topics of the Jacksonian age. Occasional.

AMH 5176 CAH-HIST 3(3,0) Colloquium in Civil War and Reconstruction: PR: Graduate standing or senior standing or C.I. Intensive reading and class discussion on selected topics of the Civil War and Reconstruction era. Occasional.

AMH 5219 CAH-HIST 3(3,0) Colloquium in Late 19th Century U.S.: PR: Graduate standing or senior standing or C.I. Reading and class discussion of the literature on selected topics of late 19th century U.S. Occasional.

AMH 5296 CAH-HIST 3(3,0) Colloquium in 20th Century U.S.: PR: Graduate standing or senior standing or C.I. Reading and class discussion on selected topics in 20th-century U.S. May be used in the degree program a maximum of 4 times. Occasional.

AMH 5378 CAH-HIST 3(3,0) History of Technology: PR: Graduate standing or C. I. Introduces the historiography of technology's role in historical events, and society's role in shaping technology. Occasional.

AMH 5391 CAH-HIST 3(3,0) Colloquium in U.S. Cultural History: PR: Graduate standing or senior standing or C.I. Students will read and discuss a common or diverse body of the significant literature in the field. Occasional.

AMH 5406 CAH-HIST 3(3,0) Colloquium in American South: PR: Graduate standing or senior standing or C.I. Intensive reading and class discussion on selected topics of Southern history from colonial origins to the present. Occasional.

AMH 5446 CAH-HIST 3(3,0) Colloquium in U.S. Frontier: PR: Graduate standing or senior standing or C.I. Reading and class discussion of the literature on selected topics of frontier history. Occasional.

AMH 5515 CAH-HIST 3(3,0) Colloquium in U.S. Diplomatic History: PR: Graduate standing or senior standing or C.I. A survey of the historical literature of American foreign policy. May be repeated for credit only when course content is different. Fall, Spring.

AMH 5566 CAH-HIST 3(3,0) Colloquium: Women in American History: PR: Graduate standing or senior standing or C.I. Intensive reading and class discussion on selected topics of Women in American History from colonial time to the present. Occasional.

AMH 5937 CAH-HIST 3(3,0) AP American History: PR: Graduate standing or senior standing or C.I. Participants will enhance their knowledge of weighing evidence and interpretations presented in historical scholarship with respect to the social, cultural, intellectual, economic, and political-diplomatic history of the U.S. Occasional.
Peoples and Cultures of Latin America: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Latin American culture focusing on indigenous history, colonization, traditional peoples, social change, and modernization. Occasional.

Caribbean Cultures: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Historical and contemporary overview of the societies and cultures of the Caribbean region, including effects of colonization by the Dutch, Spanish, British, and French. Occasional.

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. Odd Fall. M&S fee: $2.56

Nutritional Anthropology: PR: One course in Social Sciences (min 2000-level) and one course in Biological Sciences (min 2000-level) or Consent of Instructor. Graduating senior or senior standing or C.I. The biological, social, cultural, psychological, and environmental influences of food consumption and physiological status. Perspectives are cross-cultural, evolutionary, and ecological. Occasional.

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 cross-cultural issues that affect cultural competency. Spring.

Language, Culture and Pedagogy: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Linguistic and cultural issues in the learning needs of students from culturally diverse populations. Occasional.

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. Odd Fall.

Problems in Forensic Anthropology: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Current issues and topics in forensic anthropology. Occasional.

Maya Field Research: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Practical application of method and theory during primary field research in the Maya area. Spring.

General Anthropology: An introductory survey of the four major subfields of anthropology: Social Anthropology, Physical Anthropology, Linguistics, and Archaeology. Fall, Spring.


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.


Archaeology of Complex Societies: PR: or CR: ANT 2000 or ANT 2140 or C.I. Theoretical perspectives on ancient hierarchies of power. Fall.

Life and Death in Ancient Egypt: PR: Any 2000 level Anthropology course. Use of archaeology and physical anthropology to examine the lives and death of both common citizens and royalty in Ancient Egypt (3200 BCE-AD 600). Occasional.


Florida Archaeology: PR: ANT 2000 or ANT 2140 or C.I. Florida prehistory from Paleo-Indian to European contact. Spring.

Archaeology of Mexico: PR: ANT 2000 or C.I. Achievements of civilizations in Mexico (Olmec, Zapotec, Aztec) as well as lesser known archaeological cultures. Occasional.

Mesoamerican Archaeology: PR: or CR: ANT 2000 or ANT 2410 or C.I. An introduction to the prehistory of Mexico, Guatemala and upper Central America from earliest times through the Spanish conquest. Occasional.

Ancient Incas: PR: ANT 2000 or SYG 2000 or ANT 2140 or C.I. The ancient Inca civilization, including examination of pre-Inca cultures and modern Andean culture. Use of archaeological, ethnological, historical, and contemporary anthropological sources. Occasional.

Archaeology of North America: PR: ANT 2000 or C.I. Civilizations of South America from the last ten thousand years, focusing primarily on civilizations of the Andes and other areas. Occasional.

Archaeology of South America: PR: ANT 2000 or C.I. An introduction to the prehistoric cultures and modern Andean culture. Use of archaeological, ethnological, historical, and contemporary anthropological sources. Occasional.

Archaeology of Sex: PR: ANT 2000 or C.I. Cross-cultural concepts of sex, sexuality, and sexual intercourse throughout human history from an archaeological perspective. Occasional.


ARH 2050 CAH-ART 3(3,0)  
History of Western Art I: Painting, sculpture and architecture from the Prehistoric Era through the Renaissance. Occasional.

ARH 2050H CAH-ART 3(3,0)  
Honors History of Western Art I: PR: Permission of Honors. Painting, sculpture and architecture from the Prehistoric Era through the Renaissance, with honors content. Occasional.

ARH 2051 CAH-ART 3(3,0)  
History of Western Art II: Painting, sculpture and architecture from the Baroque through the 20th century. Fall, Spring.

ARH 2051H CAH-ART 3(3,0)  
Honors History of Western Art II: PR: Permission of Honors. Painting, sculpture and architecture from the Baroque through the 20th century, with honors-level content. Occasional.

ARH 2500 CAH-ART 3(3,0)  
History of Non-Western Art: Major visual arts in various non-Western cultures. Fall, Spring.

ARH 3454 CAH-ART 3(3,0)  
Happenings and Conceptual Art: PR: Junior Standing or C.I. Aesthetic and social significance of "Total Art" in its attempt to transcend customary distinctions between life and art. Occasional.

ARH 3471 CAH-ART 3(3,0)  
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. Occasional.

ARH 3520 CAH-ART 3(3,0)  
African Art: PR: Junior status, ARH 2050, or C.I. Art objects produced in Africa and African cultures; with some consideration of arts of the African Diaspora. Occasional.

ARH 3570 CAH-ART 3(3,0)  
Ceramics of the Muslim World: PR: ARH 2050 or C.I. Islamic Art and the stylistic and technical characteristics of the period, in contrast to pre-Islamic or other civilizations such as the ancient Greeks, Egyptians, Babylonians, and Chinese. Occasional.

ARH 3610 CAH-ART 3(3,0)  
African American Art: PR: ARH 2050 and ARH 2051 or C.I. Surveys American Art to 1900. Leading artists are identified and representative examples of their work are discussed within the context of major themes, patterns, sources. Occasional.

ARH 3631 CAH-AAS 3(3,0)  

ARH 3632H CAH-ART 3(3,0)  

ARH 3670 CAH-ART 3(3,0)  
20th Century Latin American Art: PR: ARH 2050 and ARH 2051 or C.I. Art of the modern era (1820 to 1980) in the Caribbean and South America; issues and characteristics of art as they reflect the cultural evolution of Latin America. Occasional.

ARH 3673 CAH-ART 3(3,0)  
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.

ARH 3674 CAH-ART 3(3,0)  
ARH 3683 CAH-ART 3(3,0)
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.

ARH 3710 CAH-ART 3(3,0)
History of Photography I: PR: Junior Standing or C.I. History of photography from its earliest inception to 1900. The content of this course is designed for art majors. Occasional.

ARH 3720 CAH-ART 3(3,0)
History of Prints: PR: ARH 2050 and ARH 2051. History of printmaking in the Western world, surveying works by the “great printmakers.” Occasional.

ARH 3728 CAH-ART 3(3,0)

ARH 3820 CAH-ART 3(3,0)
Visual Arts Administration Vitas: PR: Junior Standing or C.I. Grant writing, personnel, copyright laws; museum practices, etc. Occasional.

ARH 4130 CAH-ART 3(3,0)
Greek Art and Architecture: PR: ARH 2050 and ARH 2051. Examination of the art and architecture of ancient Greece from the Bronze Age through the end of the Hellenistic period. Occasional.

ARH 4150 CAH-ART 3(3,0)
Roman Art and Architecture: PR: ARH 2050 and ARH 2051. Examines Roman art and architecture from its Etruscan origins through Constantine. Occasional.

ARH 4200 CAH-ART 3(3,0)
Medieval Art: PR: ARH 2050 and ARH 2051. Medieval Art from the 6th through 14th centuries, including painting, architecture, sculpture, and illuminated manuscripts. Occasional.

ARH 4310 CAH-ART 3(3,0)

ARH 4350 CAH-ART 3(3,0)
Baroque Art: PR: ARH 2050 and ARH 2051 or C.I. A study of European Art in the 17th and 18th centuries. Occasional.

ARH 4352 CAH-ART 3(3,0)
Italian Baroque Art: PR: ARH 2050 and ARH 2051. Examination of the art and architecture of the Baroque period in Italy from 1600-1750. Occasional.

ARH 4430 CAH-ART 3(3,0)
19th Century Art: PR: ARH 2050 and ARH 2052. A survey of the trends and developments in art during the 19th century, including the art of America and of Western Europe. Occasional.

ARH 4450 CAH-ART 3(3,0)
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.

ARH 4540 CAH-ART 3(3,0)
Art of India: PR: Junior Standing or C.I. Art and architecture of India from prehistoric times through the Gupta, Rupat, and Muslim periods. Occasional.

ARH 4653 CAH-ART 3(3,0)
Meso American Art: PR: Junior Standing or C.I. A survey of the art of Meso America from the Pre-Colombia, through the Spanish Colonial, to the 20th century. Occupational.

ARH 4800 CAH-ART 3(3,0)
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.

ART 2823 CAH-ART 3(3,0)
Art as Interface: An overview of art department specializations and selected historical and theoretical information influencing the art curriculum. Examination of aesthetic characteristics shared by the various disciplines and how knowledge of these data is used by the profession to share information with the community. Fall, Spring.

ART 2823R CAH-ART 3(3,0)
Honors Art as Interface: PR: Consent of Honors Chair. An overview of Art department specializations, and selected historical and theoretical information influencing the art curriculum. Aesthetic characteristics shared among the disciplines and their use by the profession. With Honors content. Occasional.

ART 3161 CAH-ART 3(3,0)
Materials: PR: ARH 2050 and ARH 2051 or C.I. Research methods on various topics including major artist, monument, cultural period or theme. Occasional.

ART 2130C CAH-ART 3(3,0)
Fibers & Fabrics: Design and production training in surface design, fabric, and fiber sculpture. Occasional. M&S fee: $5.00

ART 2160C ED-TLP 3(2,3)

ART 2201C CAH-ART 3(2,4)
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&S fee: $15.00

ART 2201H CAH-ART 3(2,4)
Honors Design Fundamentals-Two Dimensional: PR: C.I. 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 consent. Occasional.

ART 2203C CAH-ART 3(2,4)
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&S fee: $15.00

ART 2300C CAH-ART 3(2,4)
Drawing Fundamentals I: PR: C.I. Priority given to students whose major requires this course. Emphasis on description techniques. Fall, Spring. M&S fee: $10.00

ART 2300H CAH-ART 3(2,4)

ART 2301C CAH-ART 3(2,4)
Drawing Fundamentals II: PR: ARH 2050 or C.I. Priority given to students whose major requires this course. Continuation of ART 2300C. Fall, Spring. M&S fee: $10.00

ART 2304 CAH-ART 3(3,0)
Drawing: Computer as a Medium: Object drawing, using the computer and drawing stylus as a medium. Occasional.

ART 2400C CAH-ART 3(2,4)
Beginning Printmaking: Basic elements and techniques of printmaking covered. Relief, intaglio, and lithography. Assignments include practical application of printmaking as drawing tool. Occasional. M&S fee: $30.00

ART 2500C CAH-ART 3(2,4)
Beginning Painting: PR: ARH 2050C, ART 2051C, or C.I. Methods and materials of the painter. Introduction to the problems in painting. Occupational. M&S fee: $15.00

ART 2701C CAH-ART 3(2,4)
Sculpture: PR: Three semester hours in three-dimensional work, ART 2200C, ART 2300C, ART 2301C. Occupational. M&S fee: $30.00

ART 2754C CAH-ART 3(2,4)
Beginning Ceramics: PR: ART 2201C or C.I. Basic concepts of ceramic design, experience in processes of forming, decorating, glazing, and firing pottery. Fall, Odd Spring. M&S fee: $35.00

ART 3616C CAH-ART 3(3,0)
Animation Production Methods: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C. C.I. The development of a computer animation piece. All aspects of production will be covered. May be repeated for credit. Occasional. M&S fee: $15.00
UCF Courses and Descriptions
ART 3737C
CAH-ART
3(2,4)
Narrative Sculpture: PR: ART 2201C, ART 2203C,
ART 2300C, and ART 2301C. Aesthetics of sculpture
incorporating narrative content and referencing historical
contexts. May be repeated for credit. Occasional.

ART 4505C
CAH-ART
3(2,4)
Advanced Painting: PR: ART 2201C, ART 2203C,
ART 2300C, ART 2301C, ART 3504C, and a satisfactory
portfolio review or C.I. Advanced problems in painting. May
be repeated for credit. Fall, Spring. M&S fee: $15.00

ART 5284
CAH-ART
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 3761C
CAH-ART
3(2,4)
Intermediate Ceramics: PR: ART 2201C, ART
2203C, ART 2300C and ART 2301C. Continuation of
ceramic processes. Fall, Spring. M&S fee: $35.00

ART 4634C
CAH-ART
3(3,1)
Web Art: PR: ART 2823 or C.I. The Web as a medium
for art. Occasional.

ART 5670C
CAH-ART
3(2,4)
Digital Illustration: CR: ART 6683C. Methods and
media effects usually associated with traditional illustration
in a digital platform. Spring. M&S fee: $45.00

ART 3764C
CAH-ART
3(2,4)
Ceramic Handbuilding I: PR: Junior standing.
Application of a variety of ceramic handbuilding procedures,
including design, glaze application and firing process.
Occasional. M&S fee: $35.00
ART 3833C
CAH-ART
3(2,4)
Honors Processes and Ideas in Art: PR: Junior
Standing and Consent of Honors. Generation of new
insights concerning artistic expression with an emphasis
on the individual creation of visual art objects. With Honors
content. Occasional.
ART 3833C
CAH-ART
3(4,2)
Processes and Ideas in Art: PR: Junior Standing.
This course emphasizes the development of individual creativity and the generation of new insights concerning artistic
expression. These “formative activities” must be manifested
by students in the form of small sculptures and/or other
forms of creativity. Occasional.
ART 3950
CAH-ART
0(0,0)
Portfolio Review: PR: ARH 2050, ARH 2051, ART
2823, ART 2201C, ART 2203C, ART 2300C, and ART
2301C. Determines competencies in studio foundations
work. Satisfactory completion of portfolio review is required
to enroll in upper division studio classes. Graded S/U. Fall,
Spring.
ART 4132C
CAH-ART
3(2,4)
Advanced Fiber And Fabrics: PR: ART 2201C,
ART 2203C, ART 2300C, ART 2301C, ART 2130C, and
a satisfactory portfolio review or C.I. Textile design and
production, including non-loom weaving processes. May be
repeated for credit. Occasional. M&S fee: $5.00
ART 4172C
CAH-ART
3(2,4)
Book Repair and Restoration: PR: ART 2201C,
ART 2203C, and ART 3170C. Mending, repairing, and
rebinding books from the Library and Special Collections.
Occasional.
ART 4173C
CAH-ART
3(2,4)
The Artist Book: PR: ART 2201C and ART 2203C.
Definition of book from traditional hand-made to contemporary artist book. Redefining the elements, structure and
content of books and the binding and printing methods in
ART 4174C
CAH-ART
3(2,4)
The Printed Book: PR: ART 2201C, ART 2203C,
ART 2300C, and ART 2301C. Aesthetics of the printed
book including binding techniques to make artist books.
Occasional. M&S fee: $23.00
ART 4177C
CAH-ART
3(2,4)
Commercial Book Design and Publishing: PR:
ART 2823 and Junior standing or C.I. Analysis of art and
design elements and their interpretation from a historical
perspective. Occasional.
ART 4226C
CAH-ART
3(3,3)
Post Production for Animators: PR: FIL 3734C.
Concepts and tools for finishing computer and traditional
animations on film and video. Emphasis on compositing tools to combine elements in a finished animation.
Occasional.
ART 4320C
CAH-ART
3(2,4)
Advanced Drawing: PR: ART 2201C, ART 2203C,
ART 2300C, ART 2301C, ART 3332C. May be repeated for
credit. Fall, Spring.
ART 4402C
CAH-ART
3(2,4)
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 4644C
CAH-ART
3(2,4)
Books Without Books: PR: ART 2201C, ART
2203C, ART 2300C, and ART 2301C. The use of technology for alternative presentation of sequential ideas in space
and time. May be repeated for credit. Occasional.
ART 4710C
CAH-ART
3(2,4)
Advanced Sculpture: PR: ART 2201C, ART 2203C,
ART 2300C, ART 2301C, ART 2701C, and a satisfactory portfolio review or C.I. May be repeated for credit. Fall,
Spring. M&S fee: $45.00
ART 4765C
CAH-ART
3(2,4)
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 4780C
CAH-ART
3(2,4)
Kiln Design and Building: PR: ART 2201C, ART
2203C, ART 2300C, ART 2301C, ART 3761C, ART 4783C,
and a satisfactory portfolio review or C.I. The design and
construction of kilns, use of refractory materials, and the
theory of efficient fuel combustion. Occasional. M&S fee:
$35.00
ART 4783C
CAH-ART
3(2,4)
Advanced Ceramics: PR: ART 2201C, ART 2203C,
ART 2300C, ART 2301C, ART 3761C, and a satisfactory
portfolio review or C.I. Advanced problems in the ceramic
process. May be repeated for credit. Fall, Spring. M&S
fee: $34.99
ART 4786C
CAH-ART
3(2,4)
Ceramic Raw Material: PR: ART 2201C, ART 2203C,
ART 2300C, ART 2301C, ART 3761C, and a satisfactory
portfolio review or C.I. An in-depth understanding of the
singular and diverse properties of clay and glaze materials.
Occasional. M&S fee: $35.00
ART 4935
CAH-ART
3(3,1)
BFA Exhibit/Seminar: PR: ART 2201C, ART 2203C,
ART 2300C, ART 2301C, must complete Studio course for
BFA, and a satisfactory portfolio review or C.I. This course
is designed to prepare B.F.A. students for B.F.A. Exhibition.
Spring. M&S fee: $15.00
ART 4945L
CAH-ART
6(0,6)
Advanced Design Lab: PR: ART 2201C, ART
2203C, ART 2300C, ART 2301C, and a satisfactory portfolio
review or C.I. An interdisciplinary practicum where students
design and develop visual solutions for real world clients in
partnership with industry. Occasional.
ART 4954
CAH-ART
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 4971
CAH-ART
3(2,4)
Senior Thesis: PR: Senior Standing, Art major, and
C.I. A capstone thesis for Art Animation majors. May be
repeated for credit. Occasional. M&S fee: $45.00
ART 5109C
CAH-ART
3(2,4)
Multi-Cultural Crafts Design: PR: ART 2201C,
ART 2203C, ART 2300C, ART 2301C, graduate status
or senior standing, or C.I. The content of this course will
include an appreciation for and the production of Western
and Non-Western art forms. Occasional.
ART 5280C
CAH-ART
3(3,3)
Serial Content and Classic Form I: PR: Admission
to MFA. Studio course exploring serial imaging history, pictographs, alphabet development, typographic design, and
the computer as sequenced design concepts and tools.
Fall. M&S fee: $45.00

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ART 5694
CAH-ART
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 electronica” into the
present. Spring.
ART 5695
CAH-ART
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-ART
3(3,0)
Art, Design and Human Interactions: PR:
Admission to MFA. Exploration and design of interface
interactions systems and technologies in contemporary
society and culture including place making, way finding,
electronic interface design, and publication design. Spring.
ART 5698
CAH-ART
3(3,0)
Concourse I: PR: ART 5910 and ART 5280C and ART
5694, or C.I. Digital reproduction of studio works. Fall. M&S
fee: $45.00
ART 5745
CAH-ART
3(3,0)
Physical and Virtual Sculpture: PR: Acceptance to
MFA in Studio Art and the Computer or C.I. A course exploring historical (tactile) and contemporary (virtual) approaches
to the creation of 3D sculptural objects. Occasional.
ART 5811C
CAH-ART
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 class on political information pertaining to
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-ART
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 5934
CAH-ART
3(3,0)
Concepts of Contemporary Art: PR: Graduate
standing or C.I. Current issues in contemporary international
ART 5941
CAH-ART
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. Occasional.
ASH 3223
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. Occasional.

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and the United States since the 18th century.

U.S. China Relations:
ASH 5485 CAH-HIST 3(3,0)

Conceptual basis of ASL discussed.

the Deaf:
ASL 3444 HPA-COM SC&DIS 3(3,0)

Development of knowledge concerning Deaf culture.

Introduction to American Sign Language:
ASL 2140 HPA-COM SC&DIS 4(4,0)

Conversational emphasis on refining fluency receptively and expressively. Practicum with the deaf community.

Occasional.

Women in China:
ASH 4402 CAH-HIST 3(3,0)


ASH 4404 CAH-HIST 3(3,0)


ASH 5227 CAH-HIST 3(3,0)

The Arab-Israeli Conflict: PR: Graduate status or senior standing or C.I. This course examines the history of the Arab-Israeli conflict, placing particular emphasis on its origins in 19th century imperialism and Zionism. Occasional.

ASH 5408 CAH-HIST 3(3,0)

Collection 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.

ASH 2140 HPA-COM SC&DIS 4(4,0)


ASH 2510 HPA-COM SC&DIS 3(3,0)

Issues of Deafness: PR: C.I. The impact of deafness on individual, family and social problems in the deaf community and culture, including historical and changing attitudes toward persons and disabilities. Occasional.

ASH 3444 HPA-COM SC&DIS 3(3,0)


ASH 4161C HPA-COM SC&DIS 4(3,1)


ASH 4201 HPA-COM SC&DIS 4(4,0)

American Sign Language IV: PR: ASL 4161C or consent of instructor. Advanced study in complex grammar, facial expression, metaphorical and idiomatic vocabulary, emphasizing production of non-voiced, conversational, spontaneous signed sentences, “reading” signed phrases and sentences. Occasional.

ASH 4301 HPA-COM SC&DIS 3(3,0)

Structure of American Sign Language: PR: ASL 2140 and ASL 2150 or C.I. Study of phonologic, syntactic, semantic, and discourse structure of ASL, including an emphasis on the biological basis of language and communication. Occasional.

ASH 4345 HPA-COM SC&DIS 3(3,0)

Fingerspelling: PR: ASL 2140 and ASL 2150 or C.I. The study and practice of fingerspelling techniques to improve receptive and expressive fingerspelling proficiency beyond basic skill levels. Occasional.

ASH 4700 HPA-COM SC&DIS 3(3,0)

Literature of Signed Languages: PR: ASL 2510. Overview of literature produced by Deaf communities across the world, with emphasis on the American Deaf Community. Genres include poetry, narrative, historical and cultural prose. Occasional.

ASH 2002 COS-PHYS 3(3,0)

Astronomy: PR: High school algebra or MAC 1105. Descriptive survey of solar system, galaxies and universe; physical properties of stars, H-R diagram, stellar evolution, black holes, neutron stars. Fall, Spring.

ASH 2002H COS-PHYS 3(3,0)


ASH 2002L COS-PHYS 1(0,3)


ASH 2037 COS-PHYS 3(3,0)

Life in the Universe: A thought provoking journey through solar system environments and extraterrestrial planets to establish the probability of life on other planets in our solar system and beyond. Occasional.

ASH 2720L COS-PHYS 1(0,2)


ASH 3110 COS-PHYS 3(3,0)


ASH 3211 COS-PHYS 3(3,0)


ASH 3402 COS-PHYS 3(3,0)

Galaxies and Cosmology: PR: AST 2002 and PHY 2048C. Study of the different types of galaxies, their evolution, their relationship to active galaxies and quasars, and the evolution of the universe. Odd Fall.

ASH 3722C COS-PHYS 3(3,0)


ASH 4142 COS-PHYS 3(3,0)


ASH 4152 COS-PHYS 3(3,0)


ASH 4501 COS-PHYS 3(3,0)


ASH 4700 COS-PHYS 3(3,0)


ASH 4762 COS-PHYS 3(3,0)

Astronomical Data Analysis: PR: MAC 2323, ability to write simple computer programs, and an upper level course in astronomy or planetary science, or C.I. Astronomical data formation, detection, measurement, extraction, error analysis, modeling, computer programming, statistics, interpretation, and written and oral presentation of results. Fall.

ASH 5154 COS-PHYS 3(3,0)

Advanced Planetary Geophysics: PR: Admission to Physics M.S. or Physics Ph.D., or C.I. Experimental design and experimental techniques in astrophysics; spherical astronomy; physics of telescopes and of common astronomical detectors; error analysis. Even Spring.

ASH 5165 COS-PHYS 3(3,0)

Planetary Atmospheres: PR: Mechanics PHY 3220 and Modern Physics 3102, graduate status or senior standing, or C.I. This course will examine the physical and chemical processes that govern the behavior of the atmosphere of Earth and the other planets. Occasional.

ASH 5263 COS-PHYS 3(3,0)

Advanced Observational Astronomy: PR: Graduate standing in the Physics department or C.I. This course will examine the physical and chemical processes that govern the behavior of the atmosphere of Earth and the other planets. Odd Spring.

ASH 5334 COS-PHYS 3(3,0)

Extraterrestrial Planets and Brown Dwarfs: PR: Admission to Physics M.S. or Physics Ph.D., or C.I. Substellar-mass objects, their formation, evolution, dynamics, detection, and environments. Odd Spring.

ASH 5765 COS-PHYS 3(3,0)

Advanced Astronomical Data Analysis: PR: MAC 2313, a 3000-level or higher course in astronomy or planetary science, or C.I. Advanced astronomical data formation and acquisition, detector physics, measurement extraction, error analysis, modeling, computer programming, statistics, interpretation, and written and oral presentation of results. Occasional.

BCH 4053 CHEM 3(3,0)


BCH 4053H CHEM 3(3,0)


BCH 4054 CHEM 3(3,0)


BCH 4103L CHEM 2(0,6)

Biomedical Nanotechnology: PR: BCH 4053. A laboratory course stressing the application of the chemical arts to the manufacture, identification, and quantification of materials of biological significance. Spring. M&S fee: $45.00

BME 5572 ELEC 3(3,0)

Biomedical Nanotechnology: PR: EEE 3350 or C.I. Human Physiology, Bioelectric Phenomena and Devices, Nanotechnology for the fabrication of biosensors, self-assembly, bioelectronics, moral and ethical issues. Occasional.

BOT 3018C BIOL 3(1,2)

Culinary Botany Across the Cultures: PR: BOT 3802, 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: $9.50
factors which affect the health and survival of man in mod-
environment; the role of human population preserving eco-
Biological factors that affect dependence on the
Biological Principles-Honors:
A study of various biological
Honors level content. Fall.
Biological Principles: A study of various biological
Biological Principles-Honors: PR: Permission of
Biological Principles: CR: BSC 1005. The
Biological Principles-Honors: PR: Permission of
Biological Principles: PR: BSC 2010C and BSC 2011C, or C.I.
Biology I: PR: High school biology or C.I. Open only to
Biology II: PR: BSC 2010C or C.I. Open only to students
Biology: PR: PCB 3044 or PHY 2524C. Biological processes in nano
Principles and methods, techniques and instrumentation used in quantita-
Biology Laboratory Techniques: PR: PCB 3044, CHM 2046, or C.I. The study of addi-
Biology: PR: C.B. 3044 or PHY 2524C. Biological processes in nano-
Biology: PR: PCB 2010C, or C.I. Study of geographic variation in nature, ranging from past to present and genes to ecosystems. Occasional.
Biology, or Certificate in Conservation Biology, or C.I. Examine human impacts in marine ecosystems and how humans can become better stewards of these habitats. Odd Spring.
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.
Biology: PR: C.B. 4312C Marine Biology, graduate standing, or C.I. Examine human impacts in marine ecosystems and how humans can become better stewards of these habitats. Odd Spring.
Biology: PR: 85 degree, C.I. This course will emphasize those biological techniques and resources necessary for stu-
Biology: PR: C.B. 4312C Marine Biology, graduate standing, or C.I. Examine human impacts in marine ecosystems and how humans can become better stewards of these habitats. Odd Spring.
Biology: PR: C.B. 4312C Marine Biology, graduate standing, or C.I. Examine human impacts in marine ecosystems and how humans can become better stewards of these habitats. Odd Spring.
Biological Processes in Nano-
Biology: PR: C.B. 3044 and STA 2023. The biological, ecological, physical and chemical aspects of the world's oceans. Even Spring. M&S fee: $45.00
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CCJ 4035 HPA-CJ/LS  3(3,0)
Crime and the Media: PR: CCJ 3024 or C.I. Explore how the criminal justice system, criminals, and crime are portrayed in the media and its impact on society and the criminal justice system. Fall, Spring.

CCJ 4054 HPA-CJ/LS  3(3,0)
Criminal Justice Ethics: Focuses on the ethical issues and problems commonly encountered in the criminal justice system (policy courts and corrections). Occasional.

CCJ 4064 HPA-CJ/LS  3(3,0)

CCJ 4076 HPA-CJ/LS  3(3,0)
Criminal Emotions: A selected topics course designed to provide advanced data analysis skills that will enable a crime analysis sophisticated methodologies to crime analysis. Occasional.

CCJ 4129 HPA-CJ/LS  3(3,0)
Cultural Diversity in Criminal Justice: PR: CCJ 3024. This course focuses on the problems and issues associated with race, ethnic and gender relations in the administration of justice in a democratic society. Occasional.

CCJ 4195 HPA-CJ/LS  3(3,0)
Interviews & Interrogations in CJ: PR: CCJ 3024 (Criminal Justice System) and C.J Major or C.I. The criminal justice interview process including history of criminal justice interviews, the use of Miranda, non-verbal listening, and the rules of testimonial evidence. Fall, Spring.

CCJ 4206 HPA-CJ/LS  3(3,0)
Famous Crimes & Trials: PR: CCJ 3014 or CCJ 3024 or consent of instructor. A detailed examination of selected famous American crimes and trials since 1900. Occasional.

CCJ 4361 HPA-CJ/LS  3(3,0)
Death Penalty: PR: CCJ 3024. This course provides students an opportunity to analyze and discuss complex issues surrounding the death penalty and the criminal justice system. Occasional.

CCJ 4461 HPA-CJ/LS  3(3,0)
Organized Crime: An examination of organized crime, including structures, history and activities, and of issues surrounding efforts to define and control it. Occasional.

CCJ 4464 HPA-CJ/LS  3(3,0)

CCJ 4461 HPA-CJ/LS  3(3,0)
Drugs and Crime: Focuses on the problems of drugs and drug control in contemporary society. Students will examine the problems of drugs in our society as well as specific strategies used by criminal justice agencies to prevent and control illicit drug use. Fall, Spring.

CCJ 4670 HPA-CJ/LS  3(3,0)
Women and Crime: This course covers women as criminal justice offenders and prisoners, as well as crime victims and professionals working in the system. Occasional.

CCJ 4681 HPA-CJ/LS  3(3,0)

CCJ 4690 HPA-CJ/LS  3(3,0)
Sex Offenders and the Criminal Justice System: PR: CCJ 3024 or C.I. Provides students a better understanding of how the criminal justice system deals with sex offenders and their offenses. Fall, Spring.

CCJ 4701 HPA-CJ/LS  3(3,0)
Research Methods in Criminal Justice: Overview of the sociological research methodology, and how it is used in criminal justice, covers the major forms of research designs used by social science and evaluates their strengths and weaknesses. Fall, Spring.

CCJ 4934 HPA-CJ/LS  1-3(1-3)
Emergent Criminal Justice Issues: PR: CCJ 3014, CCJ 3024 or C.I. Developing trends and issues in criminal justice facing administrators, practitioners, and researchers. May be repeated for credit. Occasional.

CCJ 5015 HPA-CJ/LS  3(3,0)
The Nature of Crime: PR: Admission to Criminal Justice Major or C.I. This course provides an overview of major dimensions of crime in the U.S.; epidemiology of crime, costs of crime, and typologies of crime and criminals. Occasional.

CCJ 5073 HPA-CJ/LS  3(3,0)
Data Management Systems for Crime Analysis: PR: Graduate standing or C.I. This course is designed to provide the conceptual basis, understanding, and skills necessary for complex crime data manipulation. Fall.

CCJ 5406 HPA-CJ/LS  3(3,0)
Research and Technology Implementation: Changing roles of social and physical sciences as related to the objectives and administration of public safety agencies. Occasional.

CCJ 5456 HPA-CJ/LS  3(3,0)
The Administration of Justice: PR: Admission to Criminal Justice Major's program or C.I. This course provides an overview of major dimensions of crime in the U.S.; epidemiology of crime, costs of crime, and typologies of crime and criminals. Occasional.

CCJ 5467 HPA-CJ/LS  3(3,0)
Justice and Safety System Manpower: Process various essential issues related to human resources in criminal justice and public safety agencies; structure and processes for acquisition, training, and maintenance of personnel. Occasional.

CCJ 5489 HPA-CJ/LS  3(3,0)
Professionalism in Criminal Justice Organizations: PR: Graduate standing or C.I. Historical evolution of professionalism in criminal justice organizations and how it has changed the structure or practices of each involved agency. Occasional.

CCJ 5517 HPA-CJ/LS  3(3,0)

CCJ 5504 HPA-CJ/LS  3(3,0)
Human Rights and Criminal Justice: PR: Senior scholar or graduate standing or C.I. Provides in-depth analysis of the human rights movement and its potential impact upon criminal law as well as the juvenile and criminal justice systems. Occasional.

CCJ 5521 HPA-CJ/LS  3(3,0)
Contemporary Criminal Justice Strategies: PR: Graduate standing or C.I. Graduate level analysis of contemporary crime issues and the reactions of the criminal justice system to combat those crimes at both the national and international levels. May be used in the degree program a maximum of 3 times. Occasional.

CCJ 5526 HPA-CJ/LS  1(1)
Criminal Justice Investigative Process: PR: Graduate standing or C.I. Advanced seminar providing students with a broad view of how criminal justice investigative processes operate. Focuses on the roles and responsibilities of agents as investigators. May be used in the degree program a maximum of 4 times. Occasional.

CDA 3103 ECS-CS  3(3,0)

CDA 4150H ECS-CS  4(3,1)
Honors Computer Architecture: PR: Consent of Honors and COP 3402 and CDA 3100H. Basic processor design, hardwired and microprogrammed control, ALU, memory organization, pipelining, I/O and computer architecture. With Honors level content. Occasional.

CDA 5106 ECS-CS  3(3,0)

CDA 5110 ECS-CS  3(3,0)
Parallel Architecture and Algorithms: PR: COT 4210, CDA 5106. General-purpose vs. special-purpose parallel computers; arrays, meshes, hypercubes; shared memory; taxonomy; parallelization techniques; communication synchronization and granularity; parallel data structures; automatic program restructuring. Occasional.

CDA 5215 ECS-CS  3(3,0)
Introduction and Design of VLSI: PR: EEL 4766C. Overview of VLSI technology. Logical design of basic subsystems; integrated system design tools; design of a VLSI computer system. Occasional.

CDA 5532 ECS-CS  3(3,0)

CCJ 3301 ECS-CCE  3(3,0)
Engineering and Environmental Geology: PR: EGN 3310 and CHS 1440 or equivalent. Principles of physical geology, with emphasis on engineering and environmental topics. Study of land forms, geologic maps, geologic structure, weathering, groundwater, mass wasting, and earthquakes. Occasional.

CDA 4001 ECS-CS  4(3,2)
Geotechnical Engineering I: PR: EGN 3331 with a grade of C (2.0) or better and CWR 2201. Engineering properties and classification of soils. Design considerations for compaction, seepage, consolidation, and settlement analysis. Fall, Spring. M&S fee: $30.00

CDA 4801 CEC-CS  3(2,2)
Geotechnical Engineering Design: PR: CEG 4011C. Project course on design of foundations and other soil structures using geotechnical design methodologies. Fall, Spring. M&S fee: $15.00

CDA 4812 ECS-CCE  1(1,0)
Historical Developments in Civil Engineering: Seminar covering major historical developments in civil engineering. Occasional.

CDA 5015 ECS-CS  3(3,0)
Geotechnical Engineering II: PR: CEG 4011C. Continuation of CEG 4011C with emphasis on shear strength and design factors for earth pressures, bearing capacity, and slope stability. Occasional.

CDA 5405 ECS-CS  3(3,0)
Seepage in Soils: PR: CEG 4011C. Principles of flow through soils, flow nets, analytical solutions; seepage forces, design of filters and drainage layers; dewatering, drainage in dams, embankments, and pavement systems. Even Spring.

CDA 5700 ECS-CS  3(3,0)
Geo-Environmental Engineering: PR: CEG 4011C. Geotechnical applications to environmental problems, groundwater flow, soil contamination and groundwater contaminant transport, geosynthetics and stability of landfill design, control of contaminated sites. Occasional.

CEN 4020 ECS-CS  3(2,2)
Component-based Engineering Software: PR: EEL 4851C, EEL 4882. In-depth treatment of component-based software development including analysis design and implementation of correct and reusable software in different component levels. Occasional.

CEN 5016 ECS-CS  3(3,0)
Software Engineering: PR: COP 4331C. Application of formal software processes, engineering methods, and documentation standards to the development of large scale software systems. A team project is required. Spring.
CEN 5077 ECS-CS 3(3,0)

CEN 5326 ECS-CS 3(3,0)
Web Server Configuration and Maintenance: PR: COP 3520C, CNT 3004, graduate standing and/or approval of the Director of the Software Engineering Certificate Program. Offers a comprehensive overview of the tools and techniques needed to succeed as a Web Server Administrator, including the tasks they are expected to perform. Occasional.

CEN 4100C ECS-CECE 4(3,3)
Structural Analysis I and Lab: PR: EGN 3353 with a grade 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 4101 ECS-CECE 3(3,0)
Matrix Methods for Structural Analysis: PR: CES 4100C or C.I. Introduction to matrix structural analysis, 2D and 3D structural and special topics and modeling techniques, software tools for structural engineers for computer based applications. Occasional.

CEN 4605 ECS-CS 3(3,0)
Steel Structures: PR: CES 4100C. Design of structural steel members and buildings. Emphasis on AISC-ASD building codes; introduction to AISC-LRFD building code; tension and compression members, beams, beam-columns, connections. Fall, Spring.

CEN 4608C ECS-CS 3(2,2)
Steel Design: PR: CES 4605. Project course on design of steel components, connections, and frame structures using AISC specifications. M&S fee: $15.00

CEN 4702 ECS-CS 3(3,0)
Reinforced Concrete Structures: PR: CES 4100C or C.I. Design of RC members using ACI code; beam flexure and shear; compression bending; bond and development; introduction to continuous frames. Spring.

CEN 4709C ECS-CS 3(2,2)
Concrete Design: PR: CET 4702. Project course on design of concrete structures using concrete and structural analysis methodologies. Fall, Spring.

CEN 5144 ECS-CS 3(3,0)
Matrix Methods for Structural Analysis: PR: CES 4100C or C.I. Implementation of the matrix methods for structural mechanics that are commonly and currently used in practice and in research, special topics such as finite element formulations, analysis procedures, and use of software packages. Occasional.

CEN 5325 ECS-CS 3(3,0)
Bridge Engineering: PR: CES 4605 and CES 4702 or C.I. Bridge design 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-CS 3(3,0)
Advanced Steel Structures: PR: CES 4605. Behavior of design of steel building structures; 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-CS 3(3,0)
Advanced Reinforced Concrete: PR: C.I. Design of structures of, 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-CS 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 2124 ECS-ENT 3(3,0)
Microcomputer Technology I: PR: High level programing language. Microcomputer assembly programming, including overview of architecture and operating system environment. Fall.

CET 2364 ECS-ENT 3(3,0)
Systems Applications in C/C++: PR: MAC 1105 or C.I. Use of C language in control of system processes. DOS and BIOS interrupts, and placing assembly language. Introduction to programming techniques and the C/C++ programming languages. Fall, Spring.

CET 3010 ECS-ENT 3(3,0)
Introduction to Information Technology: PR: MAC 1105. An introduction to IT field, including binary representation, graphics, data compression, information theory, transmission and storage technology, and communications. Fall, Spring.

CET 3115C ECS-ENT 4(3,2)
Digital Technology: PR: MAC 1105 and C.I. Digital logic gates, memory devices, Karnaugh Maps, combinatorial logic, arithmetic units, registers and sequential logic. Fall, Spring.

CET 3198C ECS-ENT 3(3,2)
Digital Systems: PR: DC Circuits and Digital Circuits I; Finite State Machines and Algorithmic State Machines; introduction, design, synthesis and implementation of a digital system using schematic capture and VHDL. Spring. M&S fee: $12.00

CET 3383 ECS-ENT 3(3,0)
Applied Systems Analysis I: PR: CET 2364 or equivalent. Study of system analysis, design, development and implementation. Includes Object Oriented Programming (OOP) to implement system programs. May be repeated for credit. Spring.

CET 3529 ECS-ENT 3(3,0)
Linux/Unix System Administration and Applications: PR: CET 2364 or equivalent, Installation, creation and maintenance of file systems, backups, and configuration. Fall, Spring.

CET 3679 ECS-ENT 3(3,0)
Intro to Telephony: PR: EET 3085C or equivalent or C.I. An introductory level course in telephony technology. The telephone environment, telemanagement, telephony connectivity and services of telephony. Fall.

CET 4134C ECS-ENT 3(2,4)
Microprocessor Electronics II: PR: Digital Circuits I or C.I. The MCS8000 Software architecture programming and hardware architecture are covered in great detail. Assembly language, programming interfacing and hardware characteristics as well as applications are covered. Occasional. M&S fee: $45.00

CET 4138C ECS-ENT 3(3,0)
Digital Programmable Devices: PR: CET 3198C or equivalent and C.I. Architecture and applications of various types of programmable logic devices. Design entry methods, e.g. HDL, schematic capture, etc. Lab exercises using PALS, PLDs, and FPGA3S. Occasional.

CET 4333 ECS-ENT 3(3,0)

CET 4334C ECS-ENT 3(2,2)

CET 4427 ECS-ENT 3(3,0)
Applied Database I: PR: CET 2364 or equivalent. Design and implementation of database systems within the context of center administration, structured data storage. Programming project. May be repeated for credit. Fall, Spring.

CET 4429 ECS-ENT 3(3,0)
Applied Database II: PR: CET 4427. Continuation of CET 4427. Study of hierarchical database system, Programming project is required. May be repeated for credit. Spring.

CET 4483 ECS-ENT 3(3,0)
Intro to Local Area Network Technology: PR: CET 3085C or equivalent 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. May be repeated for credit. Spring.

CET 4505 ECS-ENT 3(3,0)
Applied Operating Systems I: PR: CET 2364. Modifying the operating systems to support new types of devices. Analysis of limitations and strengths of commercial model of operating system. G.S. tool box usage. May be repeated for credit. Fall.

CET 4523 ECS-ENT 3(3,0)
Applied Systems Analysis II: PR: CET 3383. Continuation of CET 3383, with emphasis on distributed processing which includes the interfacing of minis, mainframes, software, communications, and data base technology into a responsive information system. Occasional.

CET 4583 ECS-ENT 3(3,0)
Web Based Systems I: PR: CET 2364. Introduction to web systems with emphasis on server configuration, web standards, and portal design. Occasional.

CET 4584 ECS-ENT 3(3,0)
Web Based Systems II: PR: CET 4583. Advanced introduction to web and the impact of current technology (CGI, Java, XML, DHTML) to provide interactivity. Fall.

CET 4663 ECS-ENT 3(3,0)

CET 4688 ECS-ENT 3(3,0)
Practice of Information Security: PR: CET 4663 and CET 4884 or C.I. Practice in the technical, legal, and management issues of physical, operational, computer and information security by means of an actual consulting assignment. Occasional.

CET 4741L ECS-CS 3(0,3)
Investigative Digital Technology: PR: CET 2364. Laboratory exercise to enhance the understanding of concepts/principles discussed in computer networking and data communication texts. Occasional.

CET 4748 ECS-ENT 3(3,0)
Wide Area Networks I: PR: CET 3679 or CET 4483, or C.I. Designing Wide Area Networks; determining requirements, designing the networks, choosing appropriate technologies, and evaluating results. Fall.

CET 4749 ECS-ENT 3(3,0)

CET 4882 ECS-CS 3(3,0)

CET 4884 ECS-CS 3(3,0)
Security Methods and Practice: PR: CET 2364 or C.I. Computer and information security; how security is designed, implemented, and managed in the public and private sector using technology, policies and leadership. Spring.

CET 4885 ECS-CS 3(3,0)
Investigative Digital Technology: PR: CET 4663. Forensic and legal issues related to computers and networks. Topics include identifying, analyzing, and interpretation of digital evidence and related legal issues. Fall.

CET 4889 ECS-ENT 3(3,0)
CHM 2211L COS-CHEM 2(0,6)
Organic Laboratory Techniques II: PR: CHM 2211. Priority will be given to students whose major requires this course. An introduction to the laboratory techniques of organic chemistry, including the preparation, reaction, and analysis of organic 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: $45.00.

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 1(0,3)
Analytical Chemistry Laboratory: PR: CHM 2046, 2046L, and PR or CR: CHM 3120. Experimental exercises of qualitative and quantitative analysis, emphasis on fundamentals of analysis using gravimetric, volumetric, 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. Occasional. M&S fee: $25.00.

CHM 3410 COS-CHEM 4(3,1)
Physical Chemistry I: PR: CHM 2046, PHY 2049C, and MAC 2312. Rigorous treatment of atomic and molecular structure, thermodynamics, kinetics, and chemical bonding. Fall.

CHM 4130 COS-CHEM 3(3,0)
Advanced Analytical Laboratory Technique: PR: or CR: CHM 4131. This course focuses on the 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 be also exercised. Spring. M&S fee: $25.00.

CHM 4220 COS-CHEM 3(3,0)

CHM 4610 COS-CHEM 3(3,0)

CHM 4610L COS-CHEM 2(0,6)
Inorganic Chemistry Laboratory: PR: CHM 4610. A study of physical and chemical properties and synthetic techniques in Inorganic Chemistry. Fall. M&S fee: $25.00.

CHM 4914C COS-CHEM 1(1,1)
Undergraduate Research Methods: PR: CHM 2211 or C.I. Selected topics in research methods, instruction in literature searching, seminar preparation, and laboratory techniques beyond the scope of typical chemical laboratories. Fall, Spring.

CHM 4930 COS-CHEM 1(1,0)
Chemistry Seminar I: PR: CHM 3120 or C.I. Student selects a topic and an advisor and prepares a draft seminar. Fall.

CHM 4931 COS-CHEM 1(1,0)
Chemistry Seminar II: PR: CHM 4930. Student improves the seminar prepared in CHM 4930 (or an approved alternative) and presents it to the Chemistry Department. Fall, Spring.

CHM 5225 COS-CHEM 3(3,0)
Advanced Organic Chemistry: PR: CHM 2211 and 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 5235 COS-CHEM 3(3,0)
Applied Molecular Spectroscopy: PR: CHM 3120 and CHM 2211, and graduate status or senior standing or C.I. Determination of chemical structure through interpretation of UV, IR, NMR and Mass Spectra. Occasional.

CHM 5305 COS-CHEM 3(3,0)
Advanced Inorganic Chemistry: PR: CHM 3121, and graduate status or senior standing or C.I. The identification from plants, synthesis, assessment of bioactivity, and design of pharmaceuticals and agrochemicals, as well as the impact of biotechnology in the chemical industry. Occasional.

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: $45.00.

CHM 5580 COS-CHEM 3(3,0)
Advanced Physical Chemistry: CR: CHM 3411 and MAC 2313, and graduate status 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 4610 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 3(3,1)
Fundamentals of Chemistry for Engineers: PR: One year of high school chemistry or CHM 1032. Basic concepts of chemistry, with emphasis on problem solving and engineering applications. 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 major requires 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 grade or better in CHM 2046 & L, and CHS 3501; and PR: or CR: PHY 2049C. To pass the course, students must provide evidence that they have mastered the polarized light microscope and its use in the identification and comparison of trace evidence. Fall. M&S fee: $45.00.

CHS 3511C COS-CHEM 4(2,6)
Trace Evidence: PR: C grade or better in CHS 3505C & CHM 2211. An advanced study of the techniques used to identify and compare trace evidence. Fall. M&S fee: $45.00.

CHS 3514C COS-CHEM 3(2,3)
Bomb Scene Investigation: PR: Forensic Science major, CHS 3501 or C.I. Procedures for recognizing, collecting, preserving, and analyzing evidence from a post blast bombing crime scene. May be repeated for credit. Occasional.

CHS 3530C COS-CHEM 4(3,0)
Forensic Analysis of Controlled Substances: PR: C grade or better in CHM 2211, PR: or CR: CHS 3505C. Study of the identification and instrumental techniques used in identification of controlled substances. Fall. M&S fee: $45.00.

CHS 3533 COS-CHEM 2(0,2)
Forensic Biochemistry I: PR: C 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 I: PR: C grade or better in PCB 3063 and PCB 3233. 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: $45.00.

CHS 3540C COS-CHEM 2(1,3)
Fire and Debris Analysis I: PR: CHM 3120 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 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)

CHS 4200 COS-CHEM 3(3,0)

CHS 4506C COS-CHEM 3(2,3)
Forensic Investigation Technology: PR: A grade of "C" or better in CHS 3505C or 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. Procedures for the investigation of arson, explosives, and crime scenes. Occasional.

CHS 4534C COS-CHEM 3(1,6)
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 3540C or C.I. A forensic chemistry lecture/laboratory course covering the procedures for recovering and identifying flammable liquids in real fire related evidence. Occasional.

CHS 4547C COS-CHEM 3(2.3) 

CHS 4591 COS-CHEM 4(0.40) 
Forensic Science Internship: PR: Senior standing, within 8 hrs. of completion of degree requirements, and 2.5 overall GPA. Credit for full-time work (15 weeks; 600 hours) for a professional forensic laboratory. May be repeated for credit. Occasional.

CHS 4615 COS-CHEM 3(0.0) 
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) 

CHS 5503 COS-CHEM 3(3.0) 
Topics in Forensic Science: PR: Graduate status or C.I. WI include the history of Forensic Science and current issues such as Digital Evidence. Occasional.

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 3533, CHS 6535, CHS 6536, or C.I. A study of the uses of technically and scientifically trained expert witnesses at trial. Spring.

CIS 3007 ECS-CS 3(3.0) 

CIS 3360 ECS-CS 3(3.0) 

CIS 3362 ECS-CS 3(3.0) 

CIS 4004 ECS-CS 3(3.0) 

CIS 4313 ECS-CS 3(3.0) 

CIS 4361 ECS-CS 3(3.0) 

CIS 4615 ECS-CS 3(3.0) 

CIS 5105 ECS-CS 3(3.0) 

CIS 5378 ECS-CS 3(3.0) 

CJC 3010 HPA-CJ/LS 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 HPA-CJ/LS 3(3.0) 

CJC 3164 HPA-CJ/LS 3(3.0) 
Community-Based Corrections: PR: CJC 3024 and CJC 3010 or C.I. An overview and analysis of correction interventions and treatment programs in the community. Occasional.

CJC 4410 HPA-CJ/LS 3(3.0) 

CJC 5020 HPA-CJ/LS 3(3.0) 

CJE 3444 HPA-CJ/LS 3(3.0) 
Crime Prevention: PR: CJC 3024 or C.I. An overview and analysis of crime prevention strategies used in public and private sectors. Fall, Spring.

CJE 3592 HPA-CJ/LS 3(3.0) 
CJ Information Technology and Data Management: PR: CJC 3024. Designed to familiarize with concepts of databases, uses, and applicability to crime analysis. Occasional.

CJE 4012 HPA-CJ/LS 3(3.0) 
Crimal Profiling in Criminal Justice: PR: CJC 3014 or C.I. Examines the use of criminal profiling undertaken by law enforcement and prosecution authorities which consists of gathering, reviewing and analyzing evidence pertaining to violent crimes. Occasional.

CJE 4014 HPA-CJ/LS 3(3.0) 
Police and Society: PR: CJC 3024 or C.I. An examination of the roles of police in contemporary society. Emphasis is on dynamics of police/citizen interactions and the police subculture. Fall, Spring.

CJE 4174 HPA-CJ/LS 4(4.0) 
Comparative Justice Systems: PR: CJC 3024 and CJC 3510 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/LS 3(3.0) 
Policy Development in Law Enforcement: PR: CJE 4014. 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/LS 3(3.0) 
Community Policing: PR: CJC 3014, CJE 4014. The viability of community policing. The theoretical basis for community interventions are explored as a focus for daily operations required by community policing. Occasional.

CJE 4572 HPA-CJ/LS 3(3.0) 
Justice Agency Operations: PR: CJC 3024 and CJC 3450 or C.I. Elements, functions, and processes essential to the continuing management of various criminal justice agencies, institutions and court systems. Occasional.

CJE 4610 HPA-CJ/LS 3(3.0) 
Criminal Investigation I: PR: CJE 4014. Course acquaints students with basic Procedures used in Criminal investigations, purpose of investigations, and ingredients for successful investigations. Fall, Spring.

CJE 4630 HPA-CJ/LS 3(3.0) 

CJE 4654 HPA-CJ/LS 3(3.0) 

CJE 4663 HPA-CJ/LS 3(3.0) 
Crime Analysis I: PR: CJE 4654. Provides the essential data analysis skills necessary to effectively analyze crime, understand crime data structures and the problems inherent in crime data. Occasional.

CJE 5021 HPA-CJ/LS 3(3.0) 

CJE 5120 HPA-CJ/LS 3(3.0) 
Personnel Management in Criminal Justice Organizations: PR: Graduate standing or C.I. This course provides a general overview of the issues and problems in the management of criminal justice agencies with an emphasis on best practices. Spring.

CJE 5688 HPA-CJ/LS 3(3.0) 

CJE 3014H HPA-CJ/LS 3(3.0) 
Honors Juvenile Offenders: An Integrative Perspective: PR: Permission of Honors. To provide students with an integrative understanding of the social, psychological, and legal dynamics evident in processing juvenile offenders. Occasional.
CJJ 4564 HPA-CJ/L 3(3,0) Juvenile Justice System: PR: CCJ 3024 and CJL 3510 or C.J. Examination of programs and institutions including juvenile court process, intake services, and remedial procedures and practices. Occasional.

CJL 3110 HPA-CJ/L 3(3,0) Criminal Law in Action: Basic concepts of criminal law: elements of major crimes, criminal responsibility, defenses, and parties to crime. Fall, Spring.

CJL 3510 HPA-CJ/L 3(3,0) Proportion and Amenity in Punishment: PR: CCJ 3024 or PLA 3014 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.

CJL 4010 HPA-CJ/L 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, interrogations. Occasional.

CJL 4046 HPA-CJ/L 3(3,0) Liability Issues in Criminal Justice: PR: CCJ 3024. The legal dimensions of criminal justice problems in civil law with an emphasis on civil liability regarding criminal justice practices. Occasional.

CJL 4410 HPA-CJ/L 3(3,0) Legal Aspects of the Criminal Court Process: PR: CCJ 3024. The legal dimensions of various criminal court decision making stages, including; bail; charging; pretrial hearing; arraignment; pretrial hearings plea hearings; trial; and, sentencing. Occasional.


CJL 5049 HPA-CJ/L 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/L 3(3,0) Security Management: PR: CCJ 3024. Examination of a global security management environment impacted by downsizing, a dramatically changing work force, religious extremism/terrorism, technological revolution and other challenges. Occasional.

CJT 3821 HPA-CJ/L 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/L 3(3,0) Risk Management in Criminal Justice/Private Security: PR: SCC 3311. This course examines the concept of risk management in a criminal justice context. Occasional.


CLP 3143 COS-PHYS 3(3,0) Abnormal Psychology: PR: PSY 3012 and PPE 3003. Classification, causation, and treatment of deviant patterns of behavior. Fall, Spring.

CLP 3143H COS-PHYS 3(3,0) Honors Abnormal Psychology: PR: PSY 3012 and PPE 3003 and consent of Honors. Classification, causation, and treatment of deviant patterns of behavior. With Honors Consent. Spring.

CLP 3184 COS-PHYS 3(3,0) Women’s Mental Health: PR: PSY 3012. 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-PHYCH 3(3,0) Clinical Psychology: PR: PPE 3003 and CLP 3143. An overview of approaches to psychological methods of clinical assessment, and various approaches to individual and group counseling. Fall, Spring.

CLP 3413 COS-PHYCH 3(3,0) Contemporary Behavior Therapy: PR: CLP 3143. Emphasis on the underlying principles and the specific intervention processes which are utilized in contemporary behavior therapy, including treatment strategies for particular behavior disorders. Occasional.

CLP 3467C COS-PHYCH 3(2,2) Interpersonal Effectiveness and Group Psychotherapy: PR: PSY 3012. Psychological aspects of interpersonal relationships, the rationale for group therapy, and strategies for enhancing interpersonal skills and personal growth. Occasional.


CLP 4314 COS-PHYCH 3(3,0) Health Psychology: PR: CLP 3143, PSB 3002, PPE 3003. Interpersonal and physical conditions, in prevention, diagnosis, intervention and health care delivery policy planning. Course will cover empirical phases for prevention, assessment and intervention approaches for these focal areas: cancer, chronic heart disease, diabetes, HIV disease, pain and stress. Occasional.

CLP 4390 COS-PHYCH 3(3,0) Forensic Psychology: PR: PSY 3012 and SOP 3571. Clinical practice of psychology within the legal system, including evaluation and competency/intoxication, treatment, and criminal profiling. Spring.


CLP 5166 COS-PHYCH 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-PHYCH 3(3,0) Mental Health and Aging: PR: Graduate status or senior standing or C.I. Introduction to assessment and intervention, 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: ENC 1102 and either HUM 2210, REL 2300, WOH 2022, or LIT 2120. Myths of the Greeks & Romans studied through excerpts from ancient sources and experienced through works of art, literature, and music. Occasional.

CLT 3378 CAH-PHIL 3(3,0) Comparative Mythology: PR: ENC 1102 and either HUM 2210, REL 2300, WOH 2022, or LIT 2120, or CLT 3370. Common themes found in the myths of various cultures; theories of their origins, meaning and value in human experience. Occasional.

CMC 4240 COS-COMM 3(1,2) Corporate/Institutional Video: PR: RTV 3200, RTV 5200 (RTV 5200 may be taken concurrently). Preparation of non-broadcast corporate/institutional video programs including planning,拍摄, editing, and evaluation. Occasional.

CNT 3004 ECS-CS 3(3,0) Computer Network Concepts: PR: CGS 3060C or CJE 3304. Theory and application of computer networking technologies. Fall, Spring.

CNT 4403 ECS-CS 3(3,0) Network Security and Privacy: PR: (CNT 3004 or CGS 3060C or CJE 4704) and (CIS 3580 or CIS 3362) or C.I. Fundamentals of network security, protocols, secure applications, network intrusion detection, security policy, firewalls, and privacy issues. Occasional.

CNT 4603 ECS-CS 3(3,0) System Administration and Management: PR: (CCS 3763). An examination of system administration and applications installation, configuration, and maintenance, including client-server services, content management and deployment, server administration and management, and user group management. Fall, Spring.

CJT 4703C ECS-CS 3(1,2) Design and Implementation of Computer Communication Networks: PR: CNT 3004, COP 3502C, M AD 2104 or COT 3100C. Data communication networking technologies (TCP/IP, Ethernet, Gigabit Ethernet, ATM, Frame Relay), products (routers, switches, adapters, cabling). Basic design and detailed configuration including hands-on exercises. Fall, Spring. M&S fee: $110.00

CJT 4704 ECS-CS 3(3,0) Analysis of Computer Communication Networks: PR: COT 3100C, STA 2532. Network design using layering, introduces cabling, topology, architecture, hardware and software. Includes performance analysis and control issues such as congestion control, error control, contention resolution. Occasional.


COM 1000 COS-COMM 3(3,0) Introduction to Communication: Survey course introducing students to theory, research, and practical principles associated with human communication in interpersonal, public, and professional contexts. Fall, Spring.

COM 2347C COS-COMM 1(1,1) Sports Speaking and Interviewing: PR: SPC 1608. Practicum to prepare students to speak in public forums and to participate in interviews with the mass media. Graded S/U. Occasional.


COM 3013 COS-COMM 3(3,0) Communication and the Family: PR: SPC 1608. The ways members of a family unit interact verbally and nonverbally to influence one another. Even Fall.

COM 3028H COS-COMM 3(3,0) Health Communication: PR: Majors only, SPC 1608 or C.I. Theoretical and practical techniques associated with human communication in interpersonal and professional contexts.

COM 3110 COS-COMM 3(3,0) Business and Professional Communication: PR: Majors only, SPC 1608 or C.I. Theory and research about the role communication plays in health. Occasional.

COM 3110H COS-COMM 3(3,0) Honors Business and Professional Communication: PR: Majors only, SPC 1608 or C.I. and consent of Honors. Theoretical and practical techniques associated with human communication in interpersonal and professional contexts. With Honors consent. Occasional.

COM 3120 COS-COMM 3(3,0) Organizational Communication: PR: PR or CR: COM 3311, or C.I. A study of communication functions and problems within the contexts of hierarchies. Fall, Spring.
COM 3311 COS-COMM 3(3,0)
Communication Research Methods: PR: STA 3024. Research methods used in communication. Understanding and interpretation of original research emphasized. Fall, Spring.

COM 3330 COS-COMM 3(3,0)
Computer Mediated Communication: PR: CGS 1060C. Communicating through computers. The foundations and applications of online and interactive multimedia applications, including trends and limitations. Even Spring.

COM 3332 COS-COMM 3(3,0)
Communication, Technology, and Change: PR: SPC 1608. How new technologies influence (and are influenced by) communication in a variety of contexts, including organization and interpersonal settings. Spring.

COM 3406 COS-COMM 3(3,0)
Role of Motivation in Communication: PR: PR or CR: COM 3311, or C.I. Motivation theories that directly affect the process of human communication. Occasional.

COM 4014 COS-COMM 3(3,0)
Gender Issues in Communication: PR: SPC 1608 and Junior Standing. A study of how communication exchanges, both verbal and non-verbal, differ between men and women, and how these differences are manifested. Occasional.

COM 4416 COS-COMM 3(3,0)
Terrorism and Communication: PR: COM 3311 or C.I. How terrorism is a communication process. How mass media, symbols, linguistic devices, e-terrorism, and theoretical dimensions play a role in terrorism. How communities respond to terrorist attacks. Fall.

COM 4461 COS-COMM 3(3,0)
Intercultural Communication: Study of variables affecting messages and participants in intercultural contexts. Fall, Even Spring.

COM 4462 COS-COMM 3(3,0)
Conflict Management: PR: PR or CR: COM 3311, or C.I. The study of communication in everyday conflicts. Fall, Spring.

COP 2500C CICS-CS 4(3,1)
Concepts in Computer Science: Fundamental concepts in program design, data structures, algorithms, analysis and a survey of topics in CS. Not open to Computer Science majors. Fall, Spring.

COP 3223 ECS-CS 3(3,0)
Introduction to Programming with C: Equivalent to EGN 3211. 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: PR: Consent of Honors. Programming with 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 3222. Object oriented programming concepts (classes, objects, methods, encapsulation, 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: COP 3502C. Design and development of assemblers, linkers, loaders, and compilers. Study memory hierarchy, program performance, and system level I/O. Fall, Spring.

COP 3502C ECS-CS 4(3,1)
Computer Science II: PR: COP 3502C and COP 3300C (MAD 2104 or COP 3300). Algorithm design and analysis for tree, list, set, and graph data models; algorithmic strategies and applications, and algorithmic complexity analysis; sorting and searching, practical applications. Fall, Spring.

COP 3502H ECS-CS 4(3,1)
Honors Computer Science II: PR: Permission of Honors and (COP 3502H or COP 3502C) and COP 3300 (MAD 2104 or COT 3100C). Algorithm design and analysis for tree, list, set, and graph data models; algorithmic strategies and applications, and algorithmic complexity analysis; sorting and searching; practical applications. With honors content. Fall.

COP 4020 ECS-CS 3(3,0)
Programming Languages I: PR: COP 3503C and COT 3560. 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 4(3,1)

COP 4516C ECS-CS 3(1,3)
Problem Solving Techniques and Team Dynamics: PR: COP 3502C. 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 Programming: PR: COP 3402 and COP 3503C and COT 3560 for Computer Science students. Function and organization of operating systems, process management, virtual memory, I/O management, and file management. Fall, Spring.

COP 4600 ECS-CS 3(3,0)
Operating Systems: PR: COP 3402 and COP 3503C and COT 3560. Parallel and distributed paradigms, architectures and algorithms, and the analytical tools, environments and languages needed to support these paradigms. Occasional.

COP 4610L ECS-CS 3(3,0)
Operating Systems Laboratory: PR: COP 3502C and COP 3503C and COT 3560. Exercises in the configuration, development, management and analysis of operating systems; OS Kernel support for semaphores and multi-tasking; security in a distributed heterogeneous environment. Fall, Spring.

COP 4710 ECS-CS 3(3,0)
Database Systems: PR: COP 3503C. Storage and access structures, database models and languages, relational database design, and implementation techniques for database backup and recovery management. Fall, Spring.

COP 4910 ECS-CS 3(3,0)
Frontiers in Information Technology: PR: COP 4401L or COP 4703C. Research into leading edge information technologies that have a high likelihood of affecting the workplace in the two to five year time frame. Spring.

COP 5021 ECS-CS 3(3,0)
Program Analysis: PR: COP 4020 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)

COT 5711 ECS-CS 3(3,0)

COT 5711H ECS-CS 3(3,0)

COT 5960 ECS-CS 3(1,0)
Foundations Examples: PR: COP 3502 and COP 3503C. Foundation examination for computer science majors. Required before taking advanced core courses in Computer Science and applications 4000 and 5000 level CS electives. Graduated S/U. Fall, Spring.

COT 4210 ECS-CS 3(3,0)

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 3502 and COP 3560C and COP 3560. 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 5310 ECS-CS 3(3,0)
Formal Languages and Automata Theory: PR: COP 4020 and COP 4210. Classes of formal grammars and their relation to automata, normal forms, closure properties, decision problems. LR(K) grammars. Fall, Spring.

COT 5405 ECS-CS 3(3,0)

COT 5520 ECS-CS 3(3,0)

CPO 3034 COS-POLS 3(3,0)
Politics of Developing Areas: Comparative analysis of theories, problems and politics of development in Third World nations. Even Fall.

CPO 3103 COS-POLS 3(3,0)
Comparative Politics: PR: POS 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: POS 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)

CPO 3403 COS-POLS 3(3,0)
Politics of the Middle East: PR: POS 2041 or C.I. An examination of the dynamics of Middle Eastern politics, including both regional and international dimensions. Even Fall, Spring.

CPO 3403H COS-POLS 3(3,0)
Honors Politics of the Middle East: PR: Permission of Honors. An examination of the dynamics of Middle Eastern politics, including both regional and international dimensions. Honors level content. Occasional.

CPO 3614 COS-POLS 3(3,0)

CPO 4047 COS-POLS 3(3,0)
Politics of the NAFTA Region: PR: POS 2041 or C.I. Comparative political system of the NAFTA region, analyzing important political and socio-economic issues. Occasional.

CPO 4062 COS-POLS 3(3,0)

CPO 4074 COS-POLS 3(3,0)
Political Economy: PR: Junior standing or C.I. Interrelationship of political and economic phenomena of both advanced industrial societies and less developed countries. Even Fall.

CPO 4101 COS-POLS 3(3,0)
Politics of the European Union: PR: POS 2041 or C.I. Comparative Political System of the EU and EU institutions and policies from a comparative perspective. Spring.

CPO 4123 COS-POLS 3(3,0)

CPO 4303 COS-POLS 3(3,0)
Comparative Latin American Politics: Comparative analysis of politics, society and culture in Latin America and selected countries of the region. Even Fall.

CPO 4445 COS-POLS 3(3,0)
Comparative Political Parties: PR: POS 2041, and Junior standing or C.I. Theories of the formation, structure, organization, and behavior of political parties and political party systems in comparative perspective. Occasional.

CPO 4514 COS-POLS 3(3,0)
Politics of East Asia: PR: POS 2041 or C.I. Major trends in political, economic, and socio-cultural aspects of the East Asian region. Occasional.

CPO 4541 COS-POLS 3(3,0)
Chinese Politics: PR: POS 2041 or C.I. China's political development since 1949. Occasional.

CPO 4553 COS-POLS 3(3,0)
Politics of Japan: PR: POS 2041 or CPO 3105 or C.I. Evolution of the Japanese political system and how domestic and international politics influence the functioning of the Japanese economy. Fall.

CPO 4643 COS-POLS 3(3,0)
Government and Politics of Russia: Study of the origins, institutions, and functioning of the Russian system, including the lingering influence of the old order on domestic and foreign policy. Occasional.

CPO 4710 COS-POLS 3(3,0)
Women in Comparative Politics: PR: Junior standing or C.I. A cross-national comparative perspective on women and politics; how women behave politically in various political and economic contexts. Occasional.

CPO 4754 COS-POLS 3(3,0)
Comparative Political Institutions: PR: POS 2041, Jr. standing or C.I. The course analyzes major types of political institutions from a comparative perspective, including electoral laws, division of power, types of democracy, federalism, and the judiciary. Occasional.

CPO 4784 COS-POLS 3(3,0)
Political and Economic Inequality in Comparative Perspective: PR: POS 2041, Jr. standing or C.I. Examine the nature of the link between them across countries with different political and economic institutions. Occasional.

CPO 4794 COS-POLS 3(3,0)
Indigenous Politics and the Environment: PR: POS 2041, University, or politics specific to indigenous peoples around the world. Occasional.

CPO 5334 COS-POLS 3(3,0)
Contemporary Politics of the Mayan Region: PR: Graduate status or senior standing or C.I. Analysis of issues affecting all peoples living in the contemporary Mayan region, especially Mexico, Guatemala, and El Salvador. Occasional.

CRW 3010H CAH-ENG 3(3,0)
Honors Creative Writing: PR: Honors GEP completion and permission of Honors. Theory and techniques of literary genres with honors level content; practice and critique of original writing by peers and critical reading of established authors. Occasional.

CRW 3011 CAH-ENG 3(3,0)
Creative Writing for Non-Majors: PR: Grade of C (2.0) or better required in ENC 1102. Open only to non-majors. The techniques of literary genres; the practical and critical work by peers; critical reading of established authors. Designed for non-majors. Not open to students with credit in CRW 3013. Fall, Spring.

CRW 3013 CAH-ENG 3(3,0)
Creative Writing for English Majors: PR: English major or minor, junior standing, and grade of C (2.0) or better required in ENC 1102, or C.I. Literary genres; practice and critique of peer writing; critical reading of established authors. Fall, Spring.

CRW 3035 CAH-ENG 3(3,0)
Theory & Practice of Creative Writing: PR: ENC 1101 & ENC 1102 completed with a grade of "C" or better. Examination of the genres and readings in contemporary creative writing with attention to literary technique, and discussion of issues in the field. Fall, Spring.

CRW 3120 CAH-ENG 3(3,0)
Fiction Writing Workshop: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013 and CRW 3053, or C.I. An intermediate level fiction writing workshop for English majors; group analysis and criticism; close reading of contemporary fiction. Fall, Spring.

CRW 3211 CAH-ENG 3(3,0)
Creative Nonfiction Writing: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013, CRW 3053 and CRW 3120, or C.I. Theory and practice of writing creative nonfiction/crafts works and fictional works by a series of authors. Occasional.

CRW 3212 CAH-ENG 3(3,0)
Advanced Fiction Writing Workshop: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013, CRW 3035, and CRW 3210, or C.I. Intensive writing practice in fiction. Peer critique and group discussion of original manuscripts. Fall, Spring.

CRW 4114 CAH-ENG 3(3,0)
History of Prose Style: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013, CRW 3035, and CRW 3053 or C.I. Close study of style and craft in exemplary works of fiction and creative nonfiction from various time periods. Occasional.

CRW 4122 CAH-ENG 3(3,0)
Advanced Scriptwriting Workshop: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013, CRW 3035, and CRW 3211, or C.I. Theory and practice of writing scripts for film and TV. Occasional.

CRW 4123 CAH-ENG 3(3,0)
Science Fiction Writing: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013, CRW 3033, CRW 3120 or C.I. Study of science fiction/literature and writing of original science fiction stories. Workshop format with critique of writing assignments. Occasional.

CRW 4224 CAH-ENG 3(3,0)
Advanced Nonfiction Writing: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013, CRW 3033, CRW 3210, or C.I. Intensive reading, writing, and workshop of creative nonfiction writing on memory, observation, journalistic research, and literary techniques. Fall, Spring.

CRW 4320 CAH-ENG 3(3,0)
Advanced Poetry Writing Workshop: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013, CRW 3053 and CRW 3310, or C.I. Intensive writing practice in poetry. Peer critique and group discussion of original manuscripts. Fall, Spring.

CRW 4616 CAH-ENG 3(3,0)
Advanced Scriptwriting Workshop: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013, CRW 3035 and CRW 3610, or C.I. Intensive practice in writing scripts. Peer critique and group discussion of original manuscripts. Fall, Spring.

CRW 4722 CAH-ENG 3(3,0)
Editing for Creative Writers: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013, CRW 3035 and at least one of CRW 3120, CRW 3211, CRW 3310, or CRW 3610, or C.I. Overview of editing processes, the history and future of editing, issues and areas of literary and trade book publishing, and style through grammar and syntax. Occasional.

CRW 4731 CAH-ENG 3(3,0)
Structure of Verse: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013 and CRW 3053, or C.I. Intensive study of the structural characteristics of English, poetry, metrical systems, rhyme, scansion, and poetic rhetorical devices. Occasional.

CRW 3360 CAH-ENG 3(3,0)
Writing Scripts: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013 and CRW 3053, or C.I. Examination of fiction and poetry trends in current literary magazines, identifying emerging policies in publication of contemporary literature. Occasional.
DIG 2821 CAH-DIG  3(3,0)
Creative Digital Media Problem Solving: PR: Minimum grade of "B" (3.0) in DIG 2000. Practical tools to enhance the creative process in the development of new, novel, and useful ideas for digital media. Fall, Spring.

DIG 3024 CAH-DIG  3(3,0)

DIG 3035 CAH-DIG  1(1.0)
Digital Media in the Workplace: PR: ENC 1102. Work-skills preparation for Digital Media Practicum. Fosters lifelong learning strategies and digital portfolio development. May be used in the degree program a maximum of 4 times. Fall, Spring.

DIG 3134 CAH-DIG  3(3,0)
Media Software Design: PR: DIG 2000 and COP 2500C with a minimum grade of "B" (3.0) in DIG 2000. Fundamentals of software design in Internet environments. Introduction to discrete mathematics, programming/design schema, and computational structures. Fall, Spring.

DIG 3205 CAH-DIG  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, design, markup languages and the editing process. Fall, Spring.

DIG 3253C CAH-DIG  3(2.2)
Digital Media Audio: PR: DIG 3480C. Audio production processes for multimedia and new media production, including examination of use of audio and MIDI sequencing software. Fall, Spring.

DIG 3355C CAH-DIG  3(3.0)
Architectural Environments and Effects: PR: DIG 2485 and C.I. CR: DIG 3051. Design and manipulation to convey a story, thought, or concept in visual medium. New imagery in motion such as non-character entities, music videos, and scientific visualization. Fall.

DIG 3362C CAH-DIG  3(2.2)

DIG 3363C CAH-DIG  3(2.2)

DIG 3430 CAH-DIG  3(3.0)
Interactive Performance I: PR: Admission to the major 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-DIG  3(3.0)

DIG 3480C CAH-DIG  3(2.2)

DIG 3525 CAH-DIG  3(3.0)
Digital Media Production I: PR: DIG 2030C, DIG 2109C, DIG 2500C, and a minimum grade of "B" (3.0) in DIG 2000. Media project planning, organization and execution; group dynamics. Software tools for project planning, scheduling and management. Fall, Spring.

DIG 3543C CAH-DIG  3(2.2)
UCF Courses and Descriptions

ECO 4713 BA-ECON 3(3,0) International Macroeconomics: PR: ECO 3011 or ECO 3222. International macroeconomics with review and analysis of current international macroeconomics, financial issues, policies and events. Occasional.

ECO 4751 BA-ECON 3(3,0) Law and Economics: PR: ECO 2013 and 2023. Impact of law on economic behavior; how economic behavior changes in the presence of legal rules and penalties; and the economic logic underlying the law. Occasional.

ECO 4941 BA-ECON 3(0,0) Economics Internship: PR: Consent of department chair, ECO 3101, and ECO 3033. Supervised economics-related work experience in a pre-approved sponsoring organization of an economist. May be used in the degree program a maximum of 1 time. Occasional.

ECO 5005 BA-ECON 3(3,0) Economic Concepts: PR: Acceptance into the graduate program. Introduction to micro and macro economic analysis. Occasional.

ECP 3004 BA-ECON 3(0,0) Seminar on Current Economic Topics: PR: ECO 3011. Content may include, but is not limited to, the analysis of current economic issues and policy, and the study of current economic methods and theories. May be used in the degree program a maximum of 1 time. Occasional.

ECP 3203 BA-ECON 3(3,0) Labor Economics: PR: ECO 3101 or ECO 4703. The analysis of labor problems and issues in a dynamic contemporary economy through the interaction of the four major institutions: households, firms, government, and unions. Occasional.


ECP 4303 BA-ECON 3(3,0) Environmental and Natural Resource Economics: PR: ECO 3101. Provide fundamental insights into the interdependence between energy use, environmental quality, and the economy at both the micro-economic and macro-economic level. Odd Fall.

ECP 4403 BA-ECON 3(3,0) Industrial Organization and Game Theory: PR: ECO 3101. A study of the performance of industries representative of various types of market structure and practices, as well as the public policies affecting these industries. Fall, Spring.

ECP 4703 BA-ECON 3(3,0) Managerial Economics: PR: Junior standing, ACG 2071, ECO 2013, ECO 2023 and ECO 3411. The uses of economic analysis in economic decision-making and business policy formulation. Open for non-majors ONLY. Spring.

ECS 4013 BA-ECON 3(0,0) Development Economics: PR: ECO 2013 and ECO 2023. The study of problems, theories, and issues of economic development with reference to the third world. Fall, Spring.

EDE 3942 ED-TLP 3(3,0) Internship I: PR: EDG 4410, RED 3012, RED 4519, MAE 2601, TSL 4080. Student teaching assignment in an elementary school under the supervision of a certified classroom teacher. Graded S/U. Fall, Spring.

EDE 4223 ED-TLP 3(3,0) Integrated Arts and Movement in the Elementary School: PR: Admission to Elementary Education. Provides the prospective teacher with knowledge, skills, and dispositions to integrate arts and movement into the education of elementary school children. Fall, Spring. M&S fee: $10.00

EDE 4943 ED-TLP 7-12(0,35) Internship II (Elementary): PR: EDE 3942. Student teaching in an elementary school under the supervision of a certified teacher. Scheduled concurrent semesters. Graded S/U. Occasional.

EDF 4945 ED-TLP 1(1,0) Internship II Seminar: PR: All required program courses; CR: EDE 4943 Internship II. Culminating seminar emphasizing current classroom management and assessment issues as they relate to teaching in the elementary grades. Fall, Spring.

EDF 1942 ED-ES 3(3,0) Introduction to Educational Internship: Introduction to educational internship with selected partner institutions. Occasional.

EDF 2005 ED-ES 3(3,0) Introduction to the Teaching Profession: A survey course including an orientation to education careers, ethics, and the historical, philosophical and sociological foundations of education. This course has a field component. Fall, Spring.

EDF 2007 ED-ES 3(3,0) Introduction to Substitute Teaching: Social and legal factors related to PK-12 teaching, including school safety, ethics, legal aspects, and roles and responsibilities of substitute teachers. Fall, Spring.

EDF 2085 ED-ES 3(3,0) Introduction to the Preparation for Educators: An introduction to cultural factors and their impact on education and life changes. Explores stereotyping, prejudice and changing classroom demographics. Includes directed field experience. Fall, Spring.

EDF 2130 ED-ES 3(3,0) Child and Adolescent Development for Educators: Critical examination of developmental stages and characteristics of individuals from infancy through adolescence with application to learners in educational settings. Fall, Spring.

EDF 2250 ED-ES 3(3,0) Classroom Management for Substitute Teachers: Instructional and classroom management strategies to optimize student learning and maximize the effectiveness of substitute teachers. Fall, Spring.

EDF 2720 ED-ES 3(3,0) Children in Schools: Legal, Ethical and Safety Concerns: PR: EDF 2005, EDF 2085, EME 2040, or C.I. The role of education in children’s lives through the analysis of legal, ethical and safety concerns. Fall, Spring.

EDF 3120 ED-ES 3(3,0) Observing Child Growth and Development: PR: Admission to the program. Provides a comprehensive introduction to the principles and basic theories of child growth and development from pre-natal development through age eight. Fall, Odd Spring.


EDF 3601 ED-ES 3(3,0) Professional Ethics in Education: Pedagogical knowledge, awareness of educational process and the analytical skills necessary for responsible public involvement in educational policy making. Fall, Spring.

EDF 3740 ED-ES 3(3,0) Foundations of Early Childhood Education: PR: Admission to the program. Overview of Early Childhood Education and services for young children and families. Includes historical, philosophical, and sociological perspectives; learning theories as related to early childhood. Occasional.

EDF 4214 ED-ES 3(3,0) Classroom Learning Principles: PR: EDF 2005 and Junior standing or C.I. Principles of learning as applied to classroom teaching situations, with emphasis on student development, behavior, self-concept and motivation. Fall, Spring.

EDF 4466 ED-ERTL 3(3,0) Classroom Assessment & Evaluation Techniques: PR: Completion of Internship I or C.I. Classroom measurement skills in designing traditional and alternative assessments, using results for student evaluation and instructor performance, and interpretation of standardized test results. Fall, Spring.


EDF 4603 ED-ES 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, legal, safety, cultural, and linguistic considerations which directly impact schooling in a democracy. Fall, Spring.

EDF 4603H ED-ES 3(3,0) HON 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, Spring.

EDF 5245 ED-ES 3(3,0) Preparation and Management of Classroom Instruction: PR: C.I. Study of strategies for instructional planning and classroom management that result in optimum learning. Occasional.

EDF 5607 ED-ES 3(3,0) Language, Culture and Pedagogy: Impact and Implications: PR: C.I. Explores in-depth issues surrounding learning needs of students from linguistically and culturally diverse populations. Research on language, culture and pedagogy will be highlighted. Occasional.

EDG 1005C ED-ES 2(1,1) Foundations of Leadership: PR: LEAD Scholars. 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-ES 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.

EDG 4323 ED-ES 3(3,0) Professional Teaching Practices: PR: EDF 2005 or C.I. Analysis of teaching strategies for K-12 settings, including higher order thinking, classroom management, alternative assessment and adaption of instruction for diverse student populations. Fall, Spring.

EDG 4410 ED-ES 3(3,0) Teaching Strategies and Classroom Management: PR: EDF 2005, EDF 2085, EME 2040, or C.I. Instructional, organizational and classroom management strategies to create effective learning environments. Fifteen hour in-school experience required. Fall, Spring.

EDG 4941 ED-ES 1(0,1-8) Directed Field Experience: PR: Approval of Education Laboratory. Field experience in an appropriate educational setting under the direction of a supervising teacher and/or university supervisor. Occasional.

EDG 4948 ED-ES 3(3,0) Service Learning: PR: PSY 2012 or C.I. Involvement with community agencies and/or schools to gain a new perspective about the central Florida community. May be repeated for credit. Fall, Spring.
EDG 5745 ED-TP 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-ES 2-4(0,11) 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.

EDH 5306 ECS-MAE 1(1,0) Teaching and Methods in Engineering: PR: Graduate standing in an engineering discipline. This course will cover basic teaching pedagogy to help engineering students become better TA's and help students deliver better technical presentations. Occasional.

EDS 5356 ED-TP 3(2,1) Mentoring and Clinical Supervision of Pre-professional Educators: PR: C.I. The practical application of coaching and mentoring practices that satisfy the state's requirement for clinical supervision and assure attainment of the Florida Educator Accomplished Practices. Fall, Spring.


EEC 3700 ED-CFCS 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. Examines the implications for curriculum development. Occasional.

EEC 3940 ED-CFCS 3(3,0) Integration Internship I: PR: Senior Status, RED 4311 or RED 3310. Field based placement in which the students will have supervised practice integrating course content areas. Occasional.


EEC 4235C ED-CFCS 3(2,1) Early Childhood Education Seminar: Bridging Theory to Practice: PR: TSL 4240, EEC 4268, EEC 4340 and completion of Semester II in the junior year. Corequisites: MAE 4300, RED 4311, SCE 4304, Seminar course which combines coursework, research, and practical experience. Fall, Spring.

EEC 4266 ED-CFCS 3(3,0) Early Intervention: Provides an overview of development assessment, and intervention with at-risk and handicapped infants and toddlers. Occasional.

EEC 4268 ED-CFCS 3(3,0) Curriculum Activities in Early Childhood: PR: Admission to Early Childhood Education Program. An integrated approach to curriculum planning and scheduling including materials, strategies, and environments for young children which emphasize active learning. Fall, Spring.

EEC 4303 ED-CFCS 3(3,0) Planning Creative Activities in Early Childhood Education: PR: Admission into Early Childhood Development and Education program or C.I. Instructional methods for teaching skills to young children in PK-3rd grade. Hands-on creative play activities involve dance, music, theatre, visual arts, science, math, and literature. Occasional.

EEC 4402 ED-CFCS 3(3,0) Cultural and Family Systems: Explores the institution of family in its cultural context as a living dynamic system. Occasional.

EEC 4414 ED-CFCS 3(3,0) Parent-Child Relations: PR: EEC 3700; EEC 4661; RED 3310, EEX 4751, LIN 4316; or C.I. Review of research on child-rearing and parent-child relationships using case studies to explore influences of personality, developmental stages, family structure, ethnic and cultural factors on parenting. Fall, Spring.

EEC 4524 ED-CFCS 3(3,0) Organization and Management in Early Childhood: Provides students with managerial and supervisory skills required to administer a developmentally appropriate early childhood program. Occasional.

EEC 4528 ED-CFCS 3(3,0) Infant/Toddler Care and Education: PR: EEC 3700. Provides knowledge and skills that will enable the student to become a competent worker with very young children and their families. Occasional.


EEC 4731 ED-CFCS 3(3,0) Health, Safety, and Nutrition for Young Children: Health and safety issues in early childhood education. Protection from injury and infection; promotion of healthy development, good nutrition, and appropriate health and fitness habits. Spring.


EEC 4940 ED-CFCS 12(0,12) Practicum: Early Childhood Education: PR: Must have completed all course work. A fieldwork practicum experience linking developmental theory with practice to provide students with a supervised, hands-on experience working with children, parents, families, and/or agencies. Graded S/U. Fall, Spring.

EEC 4943 ED-CFCS 12(0,12) Student Teaching: Provides opportunities for student teachers to use the knowledge and skills they acquired in a supervised public school setting. Graded S/U. Occasional.

EEE 5356 ED-CFCS 3(3,0) Programs and Trends in Early Childhood Education: PR: Regular Certificate or C.I. Philosophy, content, facilities, instructional materials, and activities appropriate for children ages 3 to 8 years; current research; issues and trends. Concurrent laboratory experiences. Occasional.

EEE 5206 ED-CFCS 3(3,0) Organization of Instruction in Early Childhood Education: PR: Regular certificate or C.I. Organization in instruction relating to language arts, social sciences, mathematics, health and physical education, problems relating to reading readiness and cognition (K-3). Concurrent laboratory experiences. Spring.

EEE 5208 ED-CFCS 3(3,0) Creative Activities in Early Childhood: PR: Regular certificate or C.I. Organization of instruction and methods for creative activities involving music, art, literature and educational toys, integration of activities, and basic skills curriculum (K-3). Concurrent laboratory experience. Even Fall.

EEE 3307C ECS-CCE 3(4,3) Electromagnetics I: PR: EEE 3324C. Electronic devices including p-n junctions, bipolar transistors, field effect transistors and device models. Fall, Spring. M&S fee: $15.00

EEE 3342C ECS-CCE 3(2,3) Digital Systems: PR: MAC 2311, MAC 2312, PHY 2048, PHY 2049 all with a "C" (2.0) or better grade. Combinatorial and sequential circuit design. Integration of registers, arithmetic units, memories, finite state machines, and design with programmable logic devices. Fall, Spring. M&S fee: $15.00

EEE 3350 ED-CFCS 3(3,0) Semiconductors and Devices: PR: EEL 3004. Electronic devices including p-n junctions, bipolar transistors, field effect transistors and device models. Fall, Spring.

EEE 4309C ECS-CCE 3(4,3) Electromagnetics II: PR: EEE 3307C, EEE 3342C. Ideal Op-Amps and applications. Introduction to Logic Circuits; Binary gates, logic families, flip-flops and memory cells, comparators and timing circuits: A/D and D/A converters. Fall, Spring. M&S fee: $15.00


EEE 4463 ECS-CCE 3(3,0) MEMS Devices and Applications: PR: EEE 3540 or C.I. Micro-Electro Mechanical Systems devices, sensors, actuators, and basic principles. MEMS, instrumentation and applications. Fall.

EEE 5332C ECS-CCE 3(2,1) Thin Film Technology: PR: EEE 3550 or equivalent. Presents the various thin film deposition techniques for the fabrication of microelectronic, semiconductor, and optical devices. Occasional. M&S fee: $30.00


EEE 5553 ED-CFCS 3(3,0) Semiconductor Device Modeling and Simulation: PR: EEE 3507C. Large signal and small signal model development for semiconductor diodes, BJTs, and MOSFETs. Parameter extraction, numerical algorithm, and SPICE simulation are included. Spring.

EEE 5563C ECS-CCE 3(4,3) Fabrication of Solid-State Devices: PR: EEE 3507C. Fabrication of microelectronic devices, processing technology, ion implantation and diffusion, device design, and layout. Laboratory includes device processing technology. Fall, Spring. M&S fee: $45.00


EEE 5578 ED-CFCS 3(4,0) Analog and Digital Circuit Design: PR: EEE 4309C. Advanced principles and design techniques for CMOS ICs including most recent published results. Fall.

EEE 5590 ED-CFCS 3(3,0) Full-Custom VLSI Design: PR: EEE 3342C, EEE 3370C. CMOS VLSI design methodologies; full custom chip design, industrial CAD tools; simulation; verification. Spring.

UCF Courses and Descriptions
EEL 5432 ECS-ECE  3(3,0)

EEL 5437C ECS-ECE  4(3,3)
Microwave Engineering: PR: EEL 3470 or C.I. Transmission line theory, Smith charts, S-parameters, simple impedance matching circuits, wave guides, resonators, basic microwave measurements. Even Fall. M&S fee: $15.00.

EEL 5439C ECS-ECE  3(2,1)
RF and Microwave Communications: PR: EEL 4436C or equivalent. RF and microwave active circuits, microstrip amplifier, oscillator, and mixer design and fabrication. Receiver design, noise, familiarization with network and spectrum analyzers. Occasional. M&S fee: $30.00.

EEL 5462C ECS-ECE  3(3,0)

EEL 5482 ECS-ECE  3(3,0)
Electromagnetic Theory I: PR: Graduate standing or C.I. Field and wave equations, boundary conditions, propagation and reflection, guided waves. Occasional.

EEL 5513 ECS-ECE  3(0,0)

EEL 5517 ECS-ECE  3(0,0)
Surface Acoustic Wave Devices and Systems: PR: EEL 3552C. Course discusses SAW technology which includes the physical phenomenon, transducer design and synthesis, filter and other performance parameters. Actual devices and communication systems are presented. Occasional.

EEL 5542 ECS-ECE  3(3,0)

EEL 5547 ECS-ECE  3(3,0)

EEL 5562C ECS-ECE  3(3,0)
Controlled Systems: PR: C.I. Designed to develop basic understanding of advanced control methods for nonlinear systems described by ordinary and partial differential equations and to expose recent results and ongoing research issues in the area of MEMS. Occasional.

EEL 5563 ECS-ECE  3(3,0)
Digital Control Systems: PR: EEL 3657. Real-time digital control system analysis and design, 2-transforms, sampling and reconstruction, time and frequency response, stability analysis, digital controller design. Fall.

EEL 5669 ECS-ECE  3(3,0)
Autonomous Robotic Systems: PR: EEL 3657 or C.I. Introduction to robotics, with emphasis on kinematic analysis, dynamics, trajectory planning, regulation and tracking, formation control, and cooperative rules and behaviors of robotic vehicles. Odd Fall.

EEL 5704 ECS-ECE  3(3,0)

EEL 5722C ECS-ECE  3(3,1)
Field-Programmable Gate Array (FPGA): PR: EEE 3342C or C.I. FPGA architectures, design, software tools, 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 topics include: cellular networks, multiple access techniques, channel 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 Spring.

EEL 5820 ECS-ECE  3(3,0)
Image Processing: PR: MAP 2302, EGN 3420, EEL 4750 or C.I. Two-dimensional signal processing techniques; pictorial image representation; spatial filtering; image enhancement and encoding; segmentation and feature extraction; introduction to image understanding techniques. Odd Spring.

EEL 5825 ECS-ECE  3(3,0)
Pattern Recognition: PR: EGN 4200 or C.I. Preliminaries of pattern recognition, Bayesian Decision Theory, linear discriminant functions, 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)
Expert Systems and Knowledge Engineering: PR: EEL 4620 OR C.I. Introduction to expert systems in engineering. Expert systems tools and interviewing techniques. This course is hands-on and project oriented. Spring.

EEL 5881 ECS-ECE  3(3,0)
Software Engineering I: PR: EGN 3420, EEL 4851C or C.I. Design, implementation, and testing of computer software for Engineering applications. Fall, Spring.

EEL 5892 ECS-ECE  3(3,0)

EEL 5918 ECS-ECE  0(1,0)
Current Topics in EES: PR: Open to all EEE, graduate students. Lectures presented by ECE and natural sciences 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-CECE  3(2,3)
Biological Process Control: PR: Grade of ‘C’ (2.0) or better in ENV 3001; CR: ENV 4651. Engineering design, measurements and analysis of biological systems in environmental engineering for water management, bio-energy products, wastewater treatment, and others. Spring. M&S fee: $45.00.

EES 4202C ECS-CECE  3(2,3)
Chemical Process Control: PR: Grade of ‘C’ (2.0) or better in ENV 3001. 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: $45.00.

EES 5318 ECS-CECE  3(3,0)
Industrial Ecology: PR: ENV 3001, ENV 4341. 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 5605 ECS-CECE  3(3,0)

EET 2025C ECS-ENT  4(3,2)
Electrical Circuits: PR: EET 1015C or EET 3085C. Frequency domain and steady state analysis of electric circuits, signal flow diagrams, circuit elements, operational amplifiers, filters, magnetically coupled circuits, transformers, 3-phase circuits, power relationships. Occasional. M&S fee: $10.00.

EET 3085C ECS-ENT  4(3,2)

EET 3086 ECS-ENT  4(4,0)

EET 3143C ECS-ENT  4(3,2)

EET 3716 ECS-ENT  3(3,0)

EET 4158C ECS-ENT  3(2,2)
Linear Integrated Circuits: PR: EET 3716, or Consent of Coordinator. Applications of operational amplifiers, comparators and op-amp based circuits, phase detectors, oscillators, linear integrated circuits. Includes amplifiers, active filters, oscillators, differentiators and integrators. Fall.

EET 4329C ECS-ENT  4(3,2)

EET 4339C ECS-ENT  3(2,2)

EET 4389C ECS-ENT  3(2,2)

EET 4548C ECS-ENT  3(4,2)
Power Systems: PR: EET 3085C and EET 2025C or equivalent. Analysis of electrical power systems and energy conversion. 3-phase load, per-unit quantities, circuit constants, rotating machines, 3-phase transformers, transmission lines, power flow, stability and fault calculations. Fall.

EET 4732C ECS-ENT  3(3,2)

EEX 2010 ED-CFCS  3(3,0)
Introduction to Special Education: 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.
EX 2090 ED-CFCS 3(3,0)
Exceptional Populations in School and Society: Characteristics of exceptionalities in school and society to increase student awareness and comfort levels with individuals with exceptionalities. Fall, Even Spring.

EEX 2758 ED-CFCS 2(2,0)
Enhancing Family Involvement in Education: Development of partnerships with families of students with disabilities and their children to address the educational needs of all students. Fall, Spring.

EEX 3102 ED-CFCS 3(3,0)
Language Development and Communication Disorders: PR: Junior standing, Interdisciplinary approach to language development, identification and remediation of communication and language disorders. Occasional.

EEX 3221 ED-CFCS 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.

EEX 3241 ED-CFCS 3(3,0)

EEX 3243 ED-CFCS 3(3,0)
Techniques for Exceptional Adolescents-Adults: CR: EEX 3241. A study of strategies, basic and functional content, career and vocational educational, and transition planning for adolescents and adults with special needs. Spring.

EEX 3450 ED-CFCS 3(3,0)
Young Children With Special Needs: Provides an overview of the unique field of early childhood special education, its mission, and approaches to helping young children and their families. Fall.

EEX 3754 ED-CFCS 3(3,0)
Parents as Educators: Develop parental awareness of their role in child development and school success. Attention given to social context of parenting and parents as advocates for children. Occasional.

EEX 3861 ED-CFCS 3(0,16)

EEX 3942 ED-CFCS 3(3,0)

EEX 4054 ED-CFCS 2(2,0)

EEX 4066 ED-CFCS 3(3,0)

EEX 4070 ED-CFCS 3(3,0)

EEX 4242 ED-CFCS 3(3,0)

EEX 4601 ED-CFCS 3(3,0)
Introduction to Behavior Management: Study of management techniques based on applied behavioral analysis principles, the use of antecedent behaviors, and appropriate educational programs for the exceptional student. Fall, Spring.

EEX 4751 ED-CFCS 3(3,0)
Parent Involvement in Education: This course prepares students to effectively interact with and involve parents in their child’s education. Occasional.

EEX 4753 ED-CFCS 3(3,0)
Parent/professional Collaboration: The special educator’s role in working with families, regular educators, and other professionals in a collaborative relationship. Fall.

EEX 4757 ED-CFCS 3(3,0)
Respite Care: PR: Junior Standing or C.I. General learning charter. Develop test plan of temporary care: the nature and needs of care givers and care recipients, including special populations. Fall, Spring.

EEX 4763 ED-CFCS 3(3,0)
Technology for Classroom Teachers of Students with Special Needs: PR: EEX 3241, RED 302, LAE 4314. Enhancing teachers’ preparation through the use of technology for students with special needs. Fall, Spring.

EEX 4943 ED-CFCS 12(0,35)
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. May be repeated for credit. Graded S/U. Occasional.

EEX 5051 ED-CFCS 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.

EEX 5702 ED-CFCS 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.

EEX 5750 ED-CFCS 3(3,0)
Communication with Parents and Agencies: PR: Completion of specialization. Presentation of methods of interacting with community agencies, supporting and collaborating with families, developing a case management system, and facilitating program transition. Occasional.

EGN 3060C ECS-CCE 3(2,3)
Introduction to Robotics: PR: Engineering majors in COP 2523 and COP 3523. Computer Science majors take COP 3330 and COP 3523. Theory of perception, planning, and control. Implemented software for a complete robotic system. Fall.

EGN 3211 ECS-CCE 3(3,0)
Engineering Analysis - Dynamics: PR: MAC 2311. Engineering analysis and computation with structural constructs. Subscripted variables, subprograms, input/output. Batch processing and time sharing. Engineering applications will be emphasized. Fall, Spring.

EGN 3310 ECS-CCE 3(3,0)
Engineering Analysis - Statics: PR: PHY 2048C; CR: MAC 2312. Fundamental concepts of mechanics, including resultant of forces, free-body diagrams, equilibrium of rigid bodies, and analyses of structures. Fall, Spring.

EGN 3310H ECS-CCE 3(3,0)
Engineering Analysis-Statics (Honors): PR: Permission of Honors and PHY 2048; CR: MAC 2312. (Honors section for EGN 3310) Advanced treatment of material and additional topics. More challenging assignments. Project work. May be repeated for credit. Fall.

EGN 3321 ECS-CCE 3(3,0)
Engineering Analysis - Dynamics: PR: EGN 3310; CR: MAC 2313. Kinematics and kinetics of particles and rigid bodies; mass and acceleration, work and energy, impulse and momentum. Fall, Spring.

EGN 3321H ECS-CCE 3(3,0)
Engineering Analysis - Dynamics (Honors): PR: Permission of Honors and EGN 3310; CR: MAC 2313. Kinematics and kinetics of particles and rigid bodies; mass and acceleration; work and energy; impulse and momentum. Occasional.

EGN 3331 ECS-CCE 3(3,0)

EGN 1006C ECS-EMS 1(1,2)
Introduction to the Engineering Profession: PR: New students status or C.I. Introduction to the use of teams; engineering communication; engineering professionalism and ethics. Spring. & M&S fee: $5.00

EGN 1007C ECS-EMS 1(1,2)
Engineering Concepts and Methods: PR: EGN 1006C and New student status or C.I. Introduction to the use of computer and applications software in solving engineering problems. Advanced design methods; computer-aided design; computer-aided manufacture. Fall, Spring. & M&S fee: $5.00

EGN 1036C ECS-EMS 2(1,1)
Foundations of Leadership: PR: LEAD Scholars Program. Seminar for LEAD Scholars in the College of Engineering & Computer Science providing a foundation of leadership, scholarship, and service regarding disciplines in the college. Fall, Spring.

EGN 1050C ECS-ECS 2(2,2)

EGN 1111C ECS-MMAE 2(1,3)
UCF Courses and Descriptions

EIN 4391C ECS-IEMS 3(2,3) Manufacturing Engineering: PR: CHM 2045C or CHS 1440 and Junior Standing or C.I. Introduction to manufacturing engineering, with emphasis on current and emerging technologies in metalworking and electronics. Fall, Spring. M&S fee: $20.00

EIN 4450 ECS-IEMS 3(3,0) Principles of Concurrent Engineering: PR: EGN 3365 or Junior standing. Reviews the use of simulators for knowledge transfer in the technical environment. Topics include quality function deployment and design for manufacturing and assembly. Even Spring.

EIN 4516C ECS-IEMS 3(2,2) Systems Analysis and Design: PR: EIN 4384C. Systems analysis methodology, system requirements, specifications, system design methodology and decision support. Consulting skills and client interactions. Initiation of senior design projects. Fall. M&S fee: $20.00

EIN 4517 ECS-IEMS 3(3,0) Systems Engineering: PR: STA 3032 or C.I. Fundamental principles of systems engineering and their application to the development of industrial complex engineered systems. Fall.

EIN 4545C ECS-IEMS 3(2,2) Industrial Engineering Applications in the Service Industries: PR: EIN 3314C, ESI 4312, ESI 4234 or C.I. Applications of industrial engineering to improve the quality and productivity of service industries such as restaurants, banks, hotels, health care, etc. Even Fall.

EIN 4621C ECS-IEMS 3(2,2) Computer-Aided-Manufacturing: PR: EIN 4391C, Computer-Aided-Manufacturing (CAM) including computer numeric control (CNC), robotics, parts classification (GT) and manufacturing resource planning (MRP). Occasional. M&S fee: $45.00

EIN 4891C ECS-IEMS 3(2,3) Industrial Engineering Senior Design Project: PR: EIN 4516C, Senior standing. Capstone design environment; application of EIMs techniques to real-world design applications. Spring. M&S fee: $15.00

EIN 5108 ECS-IEMS 3(3,0) The Environment of Technical Organizations: PR: Graduate standing or C.I.; EGN 4624 recommended. Presentation and investigation into the principles required to transform technologists into managers focusing on engineering, scientists, and other professionals providing services in technical 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 life 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. M&S fee: $30.00

EIN 5251 ECS-IEMS 3(3,0) Usability Engineering: PR: STA 3032 or equivalent. Usability paradigms/principles; cognitive walk-throughs; heuristic, review-based, model-based, empirical and story-board evaluation; technical and survey techniques; laboratory techniques; and field study approaches. Occasional.

EIN 5255C ECS-IEMS 3(3,0) 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, Spring.

EIN 5317 ECS-IEMS 3(3,0) Training System Design: PR: Seniors, post bacc or graduate standing or C.I. How human performance deficiencies should be addressed from a systems design point of view. Manpower, personnel, and training considerations will be examined. Fall.

EIN 5346 ECS-IEMS 3(3,0) Engineering Logistics: Study of the logistics life cycle involving plan, design, engineering, 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. Spring.

EIN 5368C ECS-IEMS 3(2,2) Integrated Factory Automation Systems: PR: EIN 4931C or C.I. Automated material handling systems, industrial robots, automatic guided vehicles, automation and storage and retrieval systems, economics, justification. Odd Fall. M&S fee: $20.00

EIN 5388 ECS-IEMS 3(3,0) Forecasting: PR: ESI 5219. Industrial applications of forecasting methods with emphasis on microcomputer-based packages. Occasional.

EIN 5593 ECS-IEMS 1(1,0) Seminar in Industrial Engineering: Doctoral Research: PR: C.I. Essential topics for doctoral research including research areas, skills, funding, proposals, ethics, mentors, seminars, societies, conferences, presentations, interviewing, grants, and publishing. Fall.

ELD 4011 ED-CFC5 3(3,0) Intro to Specific Learning Disabilities: Nature and needs of students with learning disabilities to include history, theories, characteristics, definitions, assessment issues, and application of effective teaching practices. Occasional.


ELD 4242 ED-CFC5 3(3,0) Program Planning for Specific Learning Disabilities: PR: Senior standing. Development of highly specialized techniques, curriculum materials, to be used with students with special learning disabilities. Occasional.

EMA 3014 ECS-MMAE 3(3,0) Nanomaterials Characterization and Applications: PR: EMA 3012, and EIN 3365 or EMA 3706. Characterization and mechanical characterization of nanomaterials, nano-coatings, corrosion, magnetic, quantum dots for solar cells, materials for hydrogen economy, laboratory on material characterization. Occasional.

EMA 3124 ECS-MMAE 3(3,0) Design and Selection of Materials: PR: EGN 3361, and EGM 3365 or EMA 3706. Relationship between processing, structure and properties of various engineering materials and their selection in engineering design. Fall.

EMA 3691 ECS-MMAE 3(3,0) Nanomaterials Process Engineering: PR: CHS 1440 or CHM 2045C, and PHY 2048 or PHY 2053C and EGN 3365. Nanomaterials, processing, nanomanufacturing, nanocomposites, nanocomposites and computations of devices. Occasional.

EMA 3706 ECS-MMAE 3(3,0) Structure and Properties of Aerospace Materials: PR: CHS 1440 or CHM 2045C and MAC 2312. Atomic structure, bonding, crystal structures, solidification, phase transformations, heat treatment, mechanical behavior, specific aerospace materials, materials design. Fall.

EMA 4102 ECS-MMAE 3(3,0) Thermodynamics and Kinetics of Materials: PR: EGN 3343, EGN 3365 or EMA 3706; and a "C" (2.0) or better of the following: CHS 1440 or CHM 2045C, MAC 2311, MAC 2312, MAC 2331, 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 4103 ECS-ENT 3(3,0) Space Environment Technology: PR: MAC 2253, PHY 2053C. The space environment and how it affects manufacturing of space elements to withstand the harsh space environment. Occasional.


EMA 4503 ECS-MMAE 3(3,0) Materials Characterization Techniques: PR: EMA 3012, and EGN 3365 or EMA 3708. Theory and practice of commonly used techniques for characterization of crystal structure, microstructure and chemistry. Occasional.

EMA 4506 ECS-MMAE 3(3,0) Emerging Materials: PR: EGN 3365, or EMA 3706. Structure, properties and processing of modern emerging materials. Occasional.


EM 5060 ECS-MMAE 3(3,0) Polymer Science and Engineering: PR: EGN 3365. Structure and properties of polymers, preparation and processing of polymers, mechanical properties, use in manufacturing and high tech applications. Occasional.


EM 5108 ECS-MMAE 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.

EM 5140 ECS-MMAE 3(3,0) Introduction to Ceramic Materials: PR: EGN 3365. Uses, structure, physical and chemical properties, and processing of ceramic materials. Discussions will include recent developments for high technology applications. Occasional.


EM 5415 ECS-MMAE 3(3,0) Electronic Principles of Materials Properties: PR: EGN 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 examples. Fall.

EM 5504 ECS-MMAE 3(3,2) Modern Characterization of Materials: PR: EMA 5104 or C.I. Techniques and operation of instrumentation (light, scanning, transmission, and auger microscopy) for the characterization of structure, defects, composition, and surfaces. Occasional.

EM 5505 ECS-MMAE 3(3,2) Scanning Electron Microscopy: PR: EMA 5104 or C.I. A review of electron optics, beam/specimen interactions, imaging formation, X-ray analysis, specimen preparation, microelectronic applications and cryobiology in the SEM. Occasional.

EM 5517 ECS-MMAE 3(3,2) Advanced Materials Characterization by Ion Beam Analysis: PR: EMA 5504 or C.I. Principles of interactions between ion beam and solid materials; sputtering and scattering theories; fundamentals and applications of secondary ion mass and Rutherford Backscattering spectrometry. May be repeated for credit. Occasional.


EM 5585 ECS-MMAE 3(3,0) Materials Science of Thin Films: PR: Graduate standing or C.I. Interaction of thin film processing techniques with the structure and properties of the materials deposited. Odd Fall.

EM 5586 ECS-MMAE 3(3,0) Photovoltaic Solar Energy Materials: PR: EGN 3365. Materials properties to photovoltaics, structures, homojunction, heterojunction, and surface barrier solar cells, AM0-1D modeling of c-Si, GaAs bulk and a-Si:H, CIGS, and CdTe thin film solar cells. May be repeated for credit. Occasional.


EM 5588 ECS-MMAE 3(3,0) Biocompatibility of Materials: PR: EGN 3365 or C.I. Biocompatibility and bioactivity; cell-biomaterials interactions; engineering bone and cartilage; soft-tissue replacement; total hip replacements; nanostructured biomaterials, imaging techniques, preservation techniques for biomaterials, MSDS and FDA compatibility data. Occasional.

EM 5610 ECS-MMAE 3(3,0) Laser Materials Processing: PR: EGN 3343 or EMA 5106 or C.I. Laser beam optics, laser-material interactions; laser heating, melting, vaporization; Plasma formation; laser surface treatment, welding, machining; laser material synthesis. Thin film deposition, crystal growth. Occasional.

EM 5705 ECS-MMAE 3(3,0) High Temperature Materials: PR: EMA 5104 or C.I. Desired material properties for high temperature applications, physical metallurgy of such materials, corrosion, hot corrosion and oxidation properties, aero- and land-based gas turbine requirements. Occasional.

EM 6204 ED-ERTL 3(3,0) Introduction to Technology for Educators: Introduction to technology for educators, including classroom management tools, multimedia, communication networks, interactivity, educational software and legal, ethical and social issues. Fall. M&S fee: $1.00

EM 6204 ED-ES 3(3,0) Introduction to Applications of Technology in Education: Classroom applications of instructional media including computers. Occasional.

EM 6412 ED-ERTL 3(3,0) Applications of Technology in Education: Classroom applications of instructional media, including computers, includes experiences with equipment, commercial and teacher-made media, and their uses. Occasional.

EM 6505 ED-ERTL 3(3,0) Fundamentals of Technology for Educators: PR: Post bac or C.I. Designed to provide participants with an introduction to the field of educational technology content with emphasis on using and integrating technology in K-12 to improve the teaching and learning process. Fall, Spring.

EM 6501 ED-ERTL 3(3,0) Technologies of Instruction and Information Management: PR: Acceptance into Ed Media program or C.I. Principles of design and practices in utilizing instructional media and information technologies. Emphasis on new and emerging technologies and their effects on the school and media program. Fall.

EM 6503 ED-ERTL 3(3,0) Electronic Resources for Education: PR: Graduate standing or C.I. Study and application of electronic resources available for education including techniques for locating, evaluating, and integrating them into the classroom. Fall.

EM 6508 ED-ERTL 3(3,0) Production Technologies for Instructional Settings: PR: Acceptance into Ed Media Program or C.I. Skills in producing instructional materials. Emphasis on graphic, audio, video, and photographic skills and the application of instructional and multimedia production theories. Spring.

EM 6525 ED-ERTL Media for Children and Young Adults: PR: Acceptance into Ed Media Program or C.I. Survey of materials for children’s and young adults’ informational and recreational needs; analysis, evaluation, and utilization of print and non-print materials. Spring.
EML 4145 ECS-MMAE 2(2,0)

EML 4220 ECS-MMAE 3(3,0)

EML 4260 ECS-MMAE 3(3,0)
Mechanical Design: PR: EML 3262 and EML 4220. Critical speeds and response of flexible rotor systems, whirl, gyroscopic effects; balancing of rotating and reciprocating masses; cam dynamics. Occasional.

EML 4264 ECS-MMAE 3(3,0)

EML 4303 ECS-MMAE 3(3,0)
Basic Mechanics: PR: Graduate status or C.I. Engineering of miniature mechanical, thermal, energy, and electrical systems, including microfabrication methods, and future trends. Occasional.

EML 4304C ECS-MMAE 2(1,3)

EML 4312C ECS-MMAE 3(2,3)
Feedback Control: PR: EGN 3321, MAP 3203, EGN 3373 and EML 4220 or EAS 4210C. Mathematical modeling of dynamic systems: transient and steady state response; Root Locus and z-transform methods; discrete systems analysis; controller design. Fall.

EML 4411 ECS-MMAE 3(3,0)
Mechanical Power Systems: PR: EML 3101. Analysis and design of large power generating systems and components, with emphasis on steam plants utilizing both chemical and nuclear fuels. Fall.

EML 4454 ECS-MMAE 3(3,0)
Mechanical Equipment: PR: EML 3301, EGN 3365 or EMA 3706, EML 3701 or EAS 3101, EML 4142; CR: EML 4220 or EAS 4210. 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. Occasional.

EML 4501C ECS-MMAE 3(1,6)

EML 4502C ECS-MMAE 3(1,6)
Materials and Manufacturing Design I: PR: EML 4501C, EML 4991. Continuation of the design process in the team building and testing of a prototype. A test plan and a test report are completed. Fall. Spring. M&S fee: $45.00.

EML 4535C ECS-MMAE 3(2,3)

EMR 5587C ECS-MMAE 3(2,3) Mechanics of Biostructures 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.) biostructures and the analysis includes preparation and experimental testing for constitutive equations for predictive modeling. Occasional.

EMR 5588C ECS-MMAE 3(2,3) Mechanics of Biostructures II: PR: EMR 5587C. Part II of a two semester course. Mechanical analysis of hard (bone) and soft (organs, connective tissues, etc.) biostructures and the analysis includes preparation and experimental testing for constitutive equations for predictive modeling. Occasional.

EMR 5605 ECS-MMAE 3(3,0) Applied HVAC Engineering: PR: EMR 4600. Applications of HVAC systems design with the objective of optimizing energy efficiency, humidity control, ventilation and indoor air quality. May be repeated for credit. Occasional.

EMR 5606 ECS-MMAE 3(3,0) HVAC Systems Engineering: PR: EMR 3101, EML 4142, EML 3034C. Heating, ventilation, air conditions and refrigeration principles, system design and analysis. May be repeated for credit. Odd Fall.


EMR 4011 ED-CFC 3(3,0) Intro to Mental Retardation: Nature and needs of mentally retarded students with emphasis on etiology, prevention, identification, and application of effective practices and recognition of trends and standards. Occasional.

EMR 4362 ED-CFC 4(4,0) Teaching Students with Mental Handicaps: PR: EEX 1010. Relationship between the characteristics of students with mental handicaps and specialized instructional materials, strategies and curriculum. Occasional.

EMR 4372 ED-CFC 3(3,0) Curriculum Method and Materials for Retarded Persons: PR: Senior standing. Development of highly specialized techniques, curriculum and materials to be used with students with mental retardation. Occasional.

ENC 1101 CAH-ENG 3(3,0) Composition I: Expository writing with emphasis on effective communication and critical thinking. Emphasizing the writing process. Writing topics are based on selected readings and on student experiences. The "NC" grading policy applies to this course. Fall, Spring.

ENC 1101H CAH-ENG 3(3,0) Honors Freshman Composition I: PR: Score of 60+ on TSWE of SAT or C.I. and permission of Honors. Expository writing with emphasis on effective communication and critical thinking. Emphasizing the writing process. Writing topics are based on selected readings and on student experiences. The "NC" grading policy applies to this course. Honors-level content. Fall, Spring.

ENC 1102 CAH-ENG 3(3,0) Composition II: PR: ENC 1101 with a grade of "C-" or better. Focus on extensive research in analytical and argumentative writing based on a variety of readings from the humanities. Emphasis on developing critical thinking and diversity of perspective. The "NC" grading policy applies to this course. Fall, Spring.

ENC 1102H CAH-ENG 3(3,0) Honors Freshman Composition II: PR: ENC 1101H with a grade of "C-" or better and C.I. and permission of Honors. Same as ENC 1102, with honors-level content. Note on Freshman English: ENC 1101 and 1102 must be taken before enrolling in any English course numbered above 1102. The "NC" grading policy applies to this course. Fall, Spring.

ENC 2127 CAH-ENG 3(3,0) Grammar and Composition: A systematic study of grammar and mechanics to improve editing for clarity and accuracy in writing. Occasional.


ENC 24110 CAH-ENG 3(2,1) Digital Literacy for the Liberal Arts: Designed to help students better understand how computer technologies have shaped our culture and ourselves; to become critical consumers of technology and acquire a critical sensibility regarding the manner in which technology affects and is affected by texts. Occasional.

ENC 3211 CAH-ENG 3(3,0) Theory and Practice of Technical Writing: PR: Grade of C (2.0) or better required in ENC 1102, junior standing or C.I. Exploring definitions and theoretical foundations in technical writing field, and the roles of writers in industry. Fall, Spring.

ENC 3211H CAH-ENG 3(3,0) Honors Theory and Practice of Technical Writing: PR: Grade of C (2.0) or better required in ENC 1102H or equivalent credit, and Consent of Honors. Definition, history, scope, practices, and theoretical bases of technical writing and its relationship to general English studies. With Honors Content. Occasional.

ENC 3241 CAH-ENG 3(3,0) Writing for the Technical Professional: PR: Grade of C (2.0) or better in ENC 1102, junior standing or C.I. Writing effective correspondence, instructions, proposals, and informal and formal reports. Fall, Spring.

ENC 3241H CAH-ENG 3(3,0) Honors Writing for the Technical Professional: PR: Grade of C (2.0) or better required in ENC 1102H or equivalent credit, and Consent of Honors. Instruction and practice in expository prose used in technical writing, layout and design of data, and translation of technical documents for the lay audience. With Honors content. Occasional.

ENC 3250 CAH-ENG 3(3,0) Professional Writing: PR: Grade of C (2.0) or better required in ENC 1102, junior standing, and 12 upper division hours in the student's major. Major elements of professional writing with emphasis on composition of reports, proposals, letters, and memos. Fall, Spring.

ENC 3310 CAH-ENG 3(3,0) Magazine Writing I: PR: Grade of C (2.0) or better required in ENC 1102. Intensive practice in description narration, exposition and argumentation; control of tone, mood, viewpoint, and level of diction. Applicable to article, essay, and short story writing. Fall, Spring.

ENC 3311 CAH-ENG 3(3,0) Advanced Expository Writing: PR: Grade of C (2.0) or better required in ENC 1102. Practice of expository writing directed to general reader. Fall, Spring.

ENC 3905 CAH-ENG 3(3,0) Directed experience in Writing: PR: Grade of C (2.0) or better required in ENC 1102. An interdisciplinary practicum in journal writing as a literary genre and a means of self-expansion. Occasional.

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 or C.I. New publishing technology, stressing composition and printing; word processing, automated text processing, methods of reproduction, introduction of graphic design, style, format, layout, and boardroom. Spring. M&S fee: $10.00.

ENC 4218 CAH-ENG 3(3,0) The Visual in Technical Documentation: PR: Grade of C (2.0) or better required in ENC 4293. Relevant theories of the visual and their application to technical communication practice. Fall. M&S fee: $10.00.

ENC 4262 CAH-ENG 3(3,0) Writing for the Business Professional: PR: Grade of C (2.0) or better required in ENC 3211 or ENC 3241 or C.I. Issues in business writing, preparing for professional life, and business writing. Fall, Spring.

ENC 4275 CAH-ENG 3(3,0) Writing/Consulting: theory & practice: PR: C.I. Theory and practice of assessing and responding to writing from the standpoint of a collaborator, as opposed to evaluator. Occasional.

ENC 4280 CAH-ENG 3(3,0) Technical Writing Style: PR: Grade of C (2.0) or better required in ENC 3211 or ENC 3241 or C.I. Strategies for understanding and improving writing styles, particularly for a variety of technical writing genres. Spring.

ENC 4290 CAH-ENG 3(3,0) Usability Testing for Technical Communication: PR: Grade of C (2.0) or better required in ENC 4293 or C.I. Usability theory and techniques for evaluating manuals, online documentation, and other technical documentation. Occasional.

ENC 4293 CAH-ENG 3(3,0) Documentation and the Collaborative Workplace: 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 technical and business manuals, policies and procedures, and training manuals. Fall, Spring.

ENC 4294 CAH-ENG 3(3,0) Documentation and Client-Based Collaboration: PR: Grade of C (2.0) or better required in ENC 4293. Practical application of editing theory to large ongoing projects from the student's particular field. Should be taken concurrently with ENC 4215. Fall, Spring. M&S fee: $10.00.

ENC 4312 CAH-ENG 3(3,0) Theory & Practice Persuasive Writing: PR: Grade of C (2.0) or better required in ENC 1102. A study of the theory and practice of persuasion, including logical and ethical appeals. Occasional.

ENC 4313 CAH-ENG 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 formal research reports in various disciplines. Occasional.

ENC 4360 CAH-ENG 3(3,0) Nature Writing: PR: Grade of C (2.0) or better required in CRW 3013 and CRW 3053. English major or minor and junior standing, or C.I. Students will write essays that explore different approaches to writing about the natural world, and will discuss issues raised by such writing. Occasional.
ENC 4414 CAH-ENG 3(3,0)
Writing and Hypertext: PR: Grade of C (2.0) or better required in ENC 3212 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 Dialectic: PR: Grade of C (2.0) or better required in ENC 1102. This online exploration of the development of digital rhetorics through a close reading and analysis of formative rhetorical texts, modern American fiction and films. Fall, Spring.

ENC 5216 CAH-ENG 3(3,0)
Editing Professional Writing: PR: Graduate status or senior standing or C.I. The study of major issues in editing, including levels of edit, grammar and mechanics, visuals, style, and the impact of technology. Fall, Spring.

ENC 5225 CAH-ENG 3(3,0)
Theory and Practice of Document Usability: PR: Graduate status or senior standing or C.I. Prescribes theory and practice of how document usability is assessed and improved. Occasional.

ENC 5327 CAH-ENG 3(3,0)
Writing for the Business Professional: PR: Graduate status or senior standing or C.I. A study of the major documents and designs for professionals in business, focusing on audience, purpose, style, arrangements, and content. Fall, Spring.

ENC 5245 CAH-ENG 3(3,0)
Teaching Professional Writing: PR: Graduate status or senior standing or C.I. Preparing students to determine needs of professional discourse communities, analyze those needs, and design in-house or freelance writing programs to address those needs. Occasional.

ENC 5276 CAH-ENG 3(3,0)
Writing/Consulting: Theory and Practice: PR: Graduate status or senior standing or C.I. The theory and practice of assessing and responding to writing as a collaborator (as opposed to evaluator). Occasional.

ENC 5291 CAH-ENG 3(3,0)
Developing Professional Writing Projects: PR: Graduate status or C.I. Developing Professional Writing is a course in which students learn the basics of planning writing projects, including scheduling, budgeting, collaborative writing, production, and problem solving. Occasional.

ENC 5337 CAH-ENG 3(3,0)
Modern Rhetorical Theory: PR: Graduate status or senior standing or C.I. With special attention to the rhetoric/audience relationship, the course studies history and practice of modern rhetorical theory. Spring.

ENC 5705 CAH-ENG 3(2,1)
Theory and Practice in Composition: PR: Graduate status or senior standing or C.I. Intensive study of theories of composition, with practical experience in the writing laboratory and in composition classes. Spring.

ENC 5745 CAH-ENG 3(3,0)
Teaching Practicum: PR: ENC 5705, graduate status or senior standing, or C.I. To supplement and deepen theoretical and practical experiences during their first teaching semester, GTA's will participate in staff development and individual conferences with their mentors. Occasional.

ENC 5930 CAH-ENG 3(3,0)
Current Topics in Professional Writing: PR: Graduate status or C.I. Students will learn how to produce texts for specialized fields of discourse, including the medical and legal professions, as well as for general publication. Occasional.

ENG 3010 CAH-ENG 3(3,0)
Practical Criticism: PR: Grade of C (2.0) or better required in ENC 1102. Student evaluation of selected fiction, poetry, and drama through practical exercises in literary criticism. Occasional.

ENG 3014 CAH-ENG 3(3,0)
Theories and Techniques of Literary Study: PR: Junior standing, or C.I., and C (2.0) or better required in ENC 1102. Techniques of analysis, theories of interpretation, and application of critical approaches to selected works. Fall, Spring.
Air Pollution Control Design: Development of air pollution control systems and ENV 3001 with a grade of "C" (2.0) or better. Air Pollution Measurements Lab: Solid Waste Facility Design: ENV 4300C ECS-CECE  3(2,2)

hazardous wastes. Storage, collection, processing, and disposal of solid and hazardous wastes. Fall.

ENV 4432 ECS-CECE  3(3,0)

Potable Water Treatment: PR: ENV 3001 and CWR 3201. Detailed investigation of principles of design and operation of potable water treatment facilities. May be repeated for credit. Occasional.

ENV 4531 ECS-CECE  3(3,0)

Solid Wastewater Treatment Processes: PR: ENV 3001 and CWR 3201. Detailed investigation of principles of design and operation of wastewater treatment facilities. May be repeated for credit. Occasional.

ENV 4561 ECS-CECE  4(4,0)


ENV 4590 ECS-CECE  3(3,0)


ENV 5071 ECS-CECE  3(3,0)


ENV 5116C ECS-CECE  3(2,3)

Air Pollution Monitoring: PR: C.I. Air Pollution sampling techniques, equipment, and monitor siting. Emphasis on theory and direct applications in air pollution monitoring. Occasional. M&S fee: $15.00

ENV 5243 ECS-CECE  3(3,0)

Characterization of Hazardous Waste Sites: PR: CWR 4101C and ENV 4341 or C.I. Practical and comprehensive methods of hazardous waste site characterization to determine site properties, contamination type, magnitude, and risk, remedial actions. Occasional.

ENV 5353 ECS-CECE  3(3,0)

Solid and Hazardous Waste Management: PR: Grade of "C" (2.0) or better in ENV 3001. Engineering design, planning, and analysis problems associated with storage, collection, processing, and disposal of solid and hazardous wastes. Fall.
ETG 5353C ECS-ENT 3(4,2)

ETG 5354 ECS-ENT 3(3,0)

ETI 4833 ECS-ENT 3(3,0)
Applied Heat Transfer: PR: ETG 3541 or equivalent, MAC 2253 or MAC 2311. Introduction to the basic concepts and applications of conduction, convection and radiation heat transfer. Basic energy balances and their applications are emphasized. Fall.

ETM 4220 ECS-ENT 4(4,0)

ETM 4231C ECS-ENT 3(4,2)
Applied Heat Transfer: PR: ETG 3541 or equivalent, MAC 2253 or MAC 2311. An introduction to the basic concepts and applications of conduction, convection and radiation heat transfer. Basic energy balances and their applications are emphasized. Fall.

ETT 4227 ECS-ENT 3(2,0)
Laser Systems Technology: PR: EST 3222. The role of construction contracts, architectural specifications, contracts and specifications used as related to the construction of buildings. Fall.

ETT 4241C ECS-ENT 3(2,2)
Construction Estimating: PR: ETG 3541, EET 4000, or ETG 4241C. Techniques of making estimates and computations of materials, labor, equipment, overhead costs and profits. Software packages are used. Spring.

ETT 4242 ECS-ENT 3(3,0)
Construction Contracts and Specifications: The role of construction contracts, architectural specifications, product specifications, industry standards and building codes in the process of building construction. Spring.

ETT 4243 ECS-ENT 4(4,0)

ETT 4414C ECS-ENT 3(2,0)

ETT 4415C ECS-ENT 3(2,2)

ETD 2350C ECS-ENT 3(2,2)
Applied CADD: PR: Junior Standing. This course in computer-aided drafting/design provides the student with the opportunity to approach detailed and intricate drafting/design problems from a computer perspective. Fall.

ETG 4905C ECS-ENT 3(1,4)
Senior Design Project: PR: Senior Standing. Engineering Technology major and must be within 36 hours of graduation. Supervised individual or group projects involving project definition, planning, development, testing, and evaluation. Fall, Spring.

ETG 5918 ECS-ENT 3(3,0)
Applied Research Methods: PR: Graduate standing or ETG 3541. Broad overview of applied research methods from the literature review process to the investigation, modeling, experimental design, analysis of results, and technical reports. Fall.

ETM 4231C ECS-ENT 4(3,2)
Space Systems Technology: PR: ETG 3541 or equivalent, MAC 2253 or MAC 2311. An introduction to the basic concepts and terminology of metrology and instrumentation. Theory, procedures and techniques essential to industrial measurement and laboratory practice are covered. Spring.

ETC 4026 ECS-ENT 3(3,0)
Metrology and Instrumentation: PR: ETG 3541, EET 8000, or equivalent. An introduction to the basic concepts and terminology of metrology and instrumentation. Theory, procedures and techniques essential to industrial measurement and laboratory practice are covered. Spring.

ETC 4227 ECS-ENT 3(0,0)

ETC 4256 ECS-ENT 3(3,0)
Photonics Sensors and Devices: PR: EST 3232. How light is converted to electronics to incorporate an electronic system. Standard means of detecting light such as photodiodes and charge-coupled devices will be covered. Spring.

ETC 4263 ECS-ENT 3(3,0)

ETC 4318C ECS-ENT 3(2,2)
Computer Numerical Controls - Machining Applications: PR: ETO 2900C. Theory of machine tools and concepts for machining, computer numerical control systems, types of operations, cutting tools, machine tools, and electrical discharge machines. May be repeated for credit. Occasional.

ETC 4321 ECS-ENT 3(3,0)

ETC 4351C ECS-ENT 3(3,0)
Spacecraft Quality Assurance And Testing: PR: PHY 2053C. Quality assurance, reliability, and testing of space hardware and software, with the examination of designing, manufacturing, testing, and operation. Occasional.

ETC 4371 ECS-ENT 3(3,0)

ETC 4390 ECS-ENT 3(3,0)
Technical Sales: PR: Junior standing or C.I. Application of technical knowledge to sales and service. Relationship of technical sales organization to production, competitors, and competitors. Even Spring.

ETC 4415 ECS-ENT 3(3,0)
Spacecraft Quality Assurance And Testing: PR: PHY 2053C. Quality assurance, reliability, and testing of space hardware and software, with the examination of designing, manufacturing, testing, and operation. Occasional.

ETC 4416 ECS-ENT 3(3,0)
Applied Reliability: PR: ETI 3116. Practical application of reliability concepts and analysis applicable to the design, production and logistics phases of systems and system components. Odd Spring.

ETC 4420 ECS-ENT 3(3,0)
Applied Logistics: PR: ETI 3116 or C.I. Introduction to logistics. Emphasis on practical applications. Includes systems engineering, cost/systems effectiveness, reliability, maintainability, system functional analysis, logistic support analysis, life cycle cost analysis. Fall.

ETG 3541 ECS-ENT 3(3,0)

ETG 4950C ECS-ENT 3(1,4)
Senior Design Project: PR: Senior Standing. Engineering Technology major and must be within 18 hours of graduation. Supervised individual or group projects involving project definition, planning, development, testing, and evaluation. Fall, Spring.

EST 3222 ECS-ENT 3(0,0)
Photonics Technology: PR: PHY 2053C, PHY 2054C, MAC 3402, MAC 2523, and MAC 2253 or MAC 2311. Course will introduce engineering technology students to the field of photonics. Light properties, optics, lasers, systems. Fall.

EST 3543C ECS-ENT 3(2,2)
Programmable Logic Applications and Devices: PR: MAC 1105, EET 4000, or equivalent. Builds on knowledge of logic fundamentals programming technologies, integrated circuits, and number systems. Design and operation of logic systems using programmable logic protocol. Fall, Spring.

EST 4225 ECS-ENT 3(3,0)
Manufacturing of Photonics: PR: EST 3222. Manufacturing processes and practices of photonics devices and systems. Toleration studies, manufacturing lines, tests, measurements, and other topics related to low and high volume photonics manufacturing. Fall.

EST 4227 ECS-ENT 3(0,0)
Photonic Sensors and Devices: PR: EST 3232. How light is converted to electronics to incorporate an electronic system. Standard means of detecting light such as photodiodes and charge-coupled devices will be covered. Spring.

EST 4236 ECS-ENT 3(3,0)

EST 4502C ECS-ENT 4(3,2)
Metrology and Instrumentation: PR: ETG 3541, EET 8000, or equivalent. An introduction to the basic concepts and terminology of metrology and instrumentation. Theory, procedures and techniques essential to industrial measurement and laboratory practice are covered. Spring.

EST 4541C ECS-ENT 3(2,2)
Construction Materials and Methods: PR: ETG 3541, EET 8000, or equivalent. Materials used in construction are related to the construction of buildings. Fall.

EST 4542 ECS-ENT 3(0,0)
Construction Estimating: PR: MAC 1114, & EGN 1111C or equivalent & ETC 4241C. Techniques of making estimates and computations of materials, labor, equipment, overhead costs and profits. Software packages are utilized. Spring.

EST 4544C ECS-ENT 3(2,2)

EST 4545C ECS-ENT 3(2,2)
Applied Fluid Mechanics: PR: MAC 2253 or MAC 2313, PHY 2053C or equivalent. An introduction to the basic concepts of hydrostatics and hydrodynamics covering fluid statics, flow of ideal fluids, continuity of mass, impulse and momentum principles, conservation of energy, flow of fluid in pipes, etc. Occasional.


Western Civilization I: A survey of western civilization from ancient to 16th Century. Fall, Spring.

Western Civilization II: A survey of western civilization from 16th Century to present. May be taken before EUH 2000. Fall, Spring.


The Crusades: PR: EUH 2000 and EUH 2001, or C.I. The planning and execution of Crusades in medieval Europe and the Middle East, including theories of "just war" and jihad. Even Spring.

Renaissance and Reformation: PR: EUH 2000 and 2001, or C.I. The cultural renaissance known as humanism, from arts, letters, and politics; Luther and Protestantism; the Catholic Counter-Reformation and the Thirty Years' War. Occasional.

Romanticism and Realism: PR: EUH 2000 and 2001 or C.I. Napoleon and nationalism; new ideas; con- servation; liberalism, romanticism, republicanism and social- ism; urbanization, technology and mass culture, religious decline; Realpolitik, racism, imperialism, and militarism. Occasional.

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 warfare. Occasional.

Second World War and its Rebirth of Europe: PR: EUH 2000 and 2001 or C.I. Origins of World War II, Hitler's "New Order," and resistance movements; Cold War; de- Stalinization of Russia; Sovietization of East Central Europe; West German reconstruction and prosperity. Occasional.

History of Modern Spain: PR: Modern European History (18th-20th century). The evolution of Modern Spain through its key institutions, cultural as well as social movements, and impact of political and intellectual trends, 1700-Present. Occasional.
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<td>CAH-HIST: Rome and Early Christianity</td>
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<tr>
<td>EUH 5459</td>
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<tr>
<td>EUH 5595</td>
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<tr>
<td>EVT 3367</td>
<td>ED-TLP: Evaluation of Vocational Instruction</td>
<td>3(3,0)</td>
<td>PR: EVT 3371 or C.I.</td>
</tr>
<tr>
<td>EVT 3371</td>
<td>ED-TLP: Course Construction in Industrial Education</td>
<td>3(3,0)</td>
<td>PR: EVT 3365 or C.I.</td>
</tr>
<tr>
<td>EVT 3502</td>
<td>ED-TLP: Special Needs of Vocational Students</td>
<td>3(3,0)</td>
<td>PR: EVT 3365 or C.I.</td>
</tr>
<tr>
<td>EVT 4085</td>
<td>ED-TLP: Principles and Practices of Technical Education</td>
<td>3(3,0)</td>
<td>PR: EVT 3365 or C.I.</td>
</tr>
<tr>
<td>EVT 4169</td>
<td>ED-TLP: Curriculum Development Techniques for Vocational Education</td>
<td>3(3,0)</td>
<td>PR: EVT 3365 or C.I.</td>
</tr>
<tr>
<td>EVT 4368</td>
<td>ED-TLP: Advanced Teaching Techniques for Vocational Education</td>
<td>3(3,0)</td>
<td>PR: EVT 3365 or C.I.</td>
</tr>
<tr>
<td>EVT 5466</td>
<td>ED-TLP: Cooperative Programs in Vocational Education</td>
<td>2-4(2-4)</td>
<td>PR: Regular Certificate or C.I.</td>
</tr>
<tr>
<td>EVT 5651</td>
<td>ED-TLP: Student Guidance in the Vocational Program</td>
<td>2-3(2-3)</td>
<td>PR: EVT 3365 or C.I.</td>
</tr>
<tr>
<td>EXP 3204C</td>
<td>COS-PSYCH: Perception</td>
<td>4(3,2)</td>
<td>PR: Psychology 3202, Psychology 3213.</td>
</tr>
<tr>
<td>EXP 3250</td>
<td>COS-PSYCH: Principles of Human Factors Psychology</td>
<td>3(3,0)</td>
<td>PR: Psychology 3202.</td>
</tr>
<tr>
<td>EXP 3304</td>
<td>COS-PSYCH: Motivation</td>
<td>3(3,0)</td>
<td>PR: Psychology 3202.</td>
</tr>
<tr>
<td>EXP 3404</td>
<td>COS-PSYCH: Basic Learning Processes</td>
<td>3(3,0)</td>
<td>PR: Psychology 3202.</td>
</tr>
<tr>
<td>EXP 3604</td>
<td>COS-PSYCH: Cognitive Psychology</td>
<td>3(3,0)</td>
<td>PR: Psychology 3202.</td>
</tr>
<tr>
<td>EXP 4507C</td>
<td>COS-PSYCH: Advanced Human Memory and Cognition</td>
<td>3(1,4)</td>
<td>PR: Psychology 3213.</td>
</tr>
<tr>
<td>EXP 5208</td>
<td>COS-PSYCH: Sensation and Perception</td>
<td>3(3,0)</td>
<td>PR: Psychology 3202.</td>
</tr>
<tr>
<td>EXP 5254</td>
<td>COS-PSYCH: Human Factors and Aging</td>
<td>3(3,0)</td>
<td>PR: Psychology 3202.</td>
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<tr>
<td>EXP 5256</td>
<td>COS-PSYCH: Human Factors I</td>
<td>3(3,0)</td>
<td>PR: Psychology 3202.</td>
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<tr>
<td>EXP 5445</td>
<td>COS-PSYCH: Psychology of Learning and Motivation</td>
<td>3(3,0)</td>
<td>PR: Psychology 3202.</td>
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<tr>
<td>FIL 1000</td>
<td>CAH-FILM: Cinema Survey</td>
<td>3(3,0)</td>
<td>PR: Permission of Professors.</td>
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<tr>
<td>FIL 1000H</td>
<td>CAH-FILM: Honors Cinema Survey</td>
<td>3(3,0)</td>
<td>PR: Permission of Professors.</td>
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<tr>
<td>FIL 1007</td>
<td>CAH-FILM: Foundations of Story</td>
<td>3(3,0)</td>
<td>PR: Digital Media or Cinema Studies major.</td>
</tr>
<tr>
<td>FIL 1008</td>
<td>CAH-FILM: Cinematic Expression/Aesthetics</td>
<td>3(3,0)</td>
<td>PR: Digital Media or Cinema Studies major.</td>
</tr>
<tr>
<td>FIL 1100</td>
<td>CAH-FILM: Foundations of Story for Majors</td>
<td>3(3,0)</td>
<td>PR: Film BFA or World Cinema major.</td>
</tr>
<tr>
<td>FIL 1142</td>
<td>CAH-FILM: History of Motion Pictures</td>
<td>3(3,0)</td>
<td>PR: Film BFA or World Cinema major.</td>
</tr>
<tr>
<td>FIL 2107</td>
<td>CAH-FILM: Introduction to Film Production Tools</td>
<td>3(3,0)</td>
<td>PR: Permission or CR: ENC 1101, and FIL 1007 or FIL 1100.</td>
</tr>
<tr>
<td>FIL 2423</td>
<td>CAH-FILM: Foundations of Production</td>
<td>3(3,0)</td>
<td>PR: Digital Media or Cinema Studies major.</td>
</tr>
<tr>
<td>FIL 2461</td>
<td>CAH-FILM: Cinematography</td>
<td>3(3,0)</td>
<td>PR: Permission or CR: ENC 1101, and FIL 1007 or FIL 1100.</td>
</tr>
<tr>
<td>FIL 2480</td>
<td>CAH-FILM: Film Production Tools</td>
<td>3(3,0)</td>
<td>PR: Permission or CR: FIL 315.</td>
</tr>
<tr>
<td>FIL 2481</td>
<td>CAH-FILM: Defining the Actor for Film I</td>
<td>3(3,0)</td>
<td>PR: Film BFA or World Cinema major.</td>
</tr>
</tbody>
</table>

Note: PR stands for Prerequisite, and C.I. stands for Corequisite.
FIL 2552C CAH-FILM 3(3,2)
Editing I: PR: FIL 1008 or 1009, and FIL 3427C. PR or CR: FIL 2115. Basic editing concepts and techniques, using non-linear editing systems. Spring. M&S fee: $5.00

FIL 3006 CAH-FILM 3(0,0)
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. M&S fee: $5.00

FIL 3035C CAH-FILM 3(3,1)

FIL 3036 CAH-FILM 3(3,0)
Film History II: PR: FIL 2030, FIL 2031 and Film BFA, World Cinema, or Cinema Studies major. Fall. Spring.

FIL 3071C CAH-FILM 3(3,1)
French Film: PR: FIL 3035C. Focus on French cinema from 1895 to 1945. Fall.

FIL 3072CAH-FILM 3(3,0)
Cinema in the 1940s and 1950s: PR: FIL 3035C. Films of the 1940s and 1950s as they pertain to the political, social, cultural, and artistic context of the period. Occasional.

FIL 3073C CAH-FILM 3(3,1)
Cinema in the 1950s: PR: FIL 3035C. Films of the 1950s as they pertain to the political, social, cultural, and artistic context of the period. Occasional.

FIL 3074C CAH-FILM 3(3,1)
Film History of the 1960s: PR: FIL 3035C. Films of the 1960s as they pertain to the political, social, cultural, and artistic context of the period. Occasional.

FIL 3075C CAH-FILM 3(3,1)
Film and Modernism I: PR: FIL 3035C and ARH 2050. Relation of film to artistic modernism centered on key common practices such as collage, projection, movement, serialization, superimposition, and simultaneity. Spring.

FIL 3076C CAH-FILM 3(3,1)
Film and Modernism II: PR: FIL 3075C and ARH 2051. A continuation of Film and Modernism I. This course concentrates on specific instances of interaction between film and the other arts such as music, painting, photography, theatre, and video. Fall.

FIL 3102 CAH-FILM 3(3,0)
Writing for Film and TV: PR: Junior standing, ENC 1102, and FIL 1007 or FIL 1100. Theories and process of screen writing for motion pictures and television. Students learn how to create stories and scripts for the entertainment marketplace. Fall. Spring.

FIL 3106C CAH-FILM 3(2,3)
Introduction to Scriptwriting: PR: Film majors only. Rudiments of story writing including visual storytelling, story structure, character, dialogue, and introduction to scriptwriting software. Occasional.

FIL 3115 CAH-FILM 3(3,0)
Short Script I: PR: FIL 2107 and Film and BFA or World Cinema major, or C.I. Rudiments of writing the short script. Analysis of script models and examination of differences between long and short forms. Writing scripts for workshops. Fall. Spring.

FIL 3304C CAH-FILM 3(1,3)
Cinematographic Vision: PR: FIL 3363C. Styles and approaches to documentary filmmaking, with emphasis on making short, personal films. Spring.

FIL 3307 CAH-FILM 3(3,0)
Douladura: PR: FIL 2107 and Film and BFA, World Cinema, or Cinema Studies major, or C.I. Techniques to dramatize real-life events and persons, with emphasis on representation, adaptation and ethics. Occasional.

FIL 3363C CAH-FILM 3(3,1)
Film Documentary: PR: FIL 3303C. Films of the 1930s and 1940s as they pertain to the political, social, cultural, and artistic context of the period. Occasional.

FIL 3379C CAH-FILM 3(3,6)
Advanced Documentary Production: PR: FIL 3363C and FIL 3345C. Students produce multimedia projects centered on local partnerships that explore the history and public policy of Central Florida. With Honors consent. Occasional.

FIL 3427C CAH-FILM 3(2,4)
Introduction to Film Production: PR: 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. M&S fee: $45.00

FIL 3455C CAH-FILM 6(2,4)
Film Landscapes: Story, Image and Production Design: PR: FIL 2152 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-FILM 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-FILM 3(3,0)
Directing the Actor for Film II: PR: FIL 2483. Characterization and scene study as it applies to directing the actor for film. Occasional.

FIL 3492C CAH-FILM 3(3,1)
Performance in Film: PR: FIL 3035C. Study of the different traditions and acting styles involved in film acting. Fall.

FIL 3534 CAH-FILM 3(3,0)
Sound Design for Film I: PR: Film BFA or BA major. Technical and aesthetic aspects of production and post-production sound recording, editing, and mixing for film. Fall.

FIL 3581 CAH-FILM 3(3,0)
Film Production Technology Workshop: PR: Restricted to Film majors. Demonstrations and hands-on workshops to understand and operate the tools of the filmmaking process. May be repeated for credit. Occasional.
### UCFS Courses and Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>FIL 3845</td>
<td>World Cinema Traditions</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>FIL 3847</td>
<td>Latin American Cinema</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>FIL 3850</td>
<td>Cinema Directors</td>
<td>3(0,0)</td>
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<tr>
<td>FIL 3852</td>
<td>Cinema Criticism</td>
<td>3(0,0)</td>
</tr>
<tr>
<td>FIL 3856</td>
<td>The Shot, Framing, Point of View</td>
<td>3(1,0)</td>
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<tr>
<td>FIL 3860</td>
<td>The Theatricality</td>
<td>3(0,1)</td>
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<tr>
<td>FIL 3861C</td>
<td>Film and Photography</td>
<td>3(0,1)</td>
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<tr>
<td>FIL 3862C</td>
<td>Narrative Structures in Film</td>
<td>3(1,0)</td>
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<tr>
<td>FIL 3865C</td>
<td>Mise en scène and Theatricality</td>
<td>3(0,1)</td>
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<tr>
<td>FIL 3867</td>
<td>Music, Natural Sounds and Dialogue in Film</td>
<td>3(0,1)</td>
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<tr>
<td>FIL 3871</td>
<td>The American Film Artist</td>
<td>3(0,0)</td>
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<tr>
<td>FIL 3876C</td>
<td>Experimental Cinema</td>
<td>3(0,1)</td>
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<tr>
<td>FIL 3877C</td>
<td>Experimental Cinema II</td>
<td>3(0,1)</td>
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<tr>
<td>FIL 3880C</td>
<td>Images of Women in Film</td>
<td>3(0,1)</td>
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<tr>
<td>FIL 3922</td>
<td>Film Colloquium</td>
<td>1(1,1)</td>
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<tr>
<td>FIL 4040</td>
<td>Animation Film History for Non Film Majors</td>
<td>3(3,0)</td>
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<td>FIL 4042</td>
<td>History of Animated Films II</td>
<td>3(3,0)</td>
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<td>FIL 4057C</td>
<td>Hollywood Cinema</td>
<td>3(0,1)</td>
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<td>FIL 4103</td>
<td>Adaptation</td>
<td>3(0,0)</td>
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<tr>
<td>FIL 4113C</td>
<td>Interactive Writing I</td>
<td>3(2,3)</td>
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<tr>
<td>FIL 4114C</td>
<td>Interactive Writing II</td>
<td>3(2,3)</td>
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<tr>
<td>FIL 4126C</td>
<td>Genre Writing</td>
<td>3(2,2)</td>
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<tr>
<td>FIL 4162C</td>
<td>Feature/TV Writing I</td>
<td>3(2,3)</td>
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<tr>
<td>FIL 4163C</td>
<td>Feature/TV Writing II</td>
<td>3(2,3)</td>
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<tr>
<td>FIL 4201C</td>
<td>Documentary Workshop I</td>
<td>3(1,3)</td>
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<tr>
<td>FIL 4302C</td>
<td>Documentary Workshop II</td>
<td>3(1,3)</td>
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<tr>
<td>FIL 4303C</td>
<td>Film Fiction and the Document</td>
<td>3(0,1)</td>
</tr>
<tr>
<td>FIL 4428</td>
<td>Episodic Production</td>
<td>3(0,0)</td>
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<tr>
<td>FIL 4433C</td>
<td>Intermediate Film Production</td>
<td>3(2,4)</td>
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<tr>
<td>FIL 4434C</td>
<td>Capstone I</td>
<td>3(2,4)</td>
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<tr>
<td>FIL 4436</td>
<td>Film Theory/Film Production</td>
<td>3(0,0)</td>
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<tr>
<td>FIL 4445</td>
<td>Design for Film</td>
<td>3(0,0)</td>
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<tr>
<td>FIL 4453C</td>
<td>Special Problems in Film Design</td>
<td>4(2,3)</td>
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<tr>
<td>FIL 4472C</td>
<td>Cinematography II</td>
<td>3(4,2)</td>
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<tr>
<td>FIL 4486C</td>
<td>CAH-FILM</td>
<td>3(3,1)</td>
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<td>FIL 4487</td>
<td>Documenting for Film</td>
<td>3(0,0)</td>
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<td>FIL 4535C</td>
<td>Sound Design for Film</td>
<td>3(0,0)</td>
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<tr>
<td>FIL 4554C</td>
<td>Non-Linear Editing</td>
<td>3(0,0)</td>
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<tr>
<td>FIL 4573C</td>
<td>Capstone II</td>
<td>3(1,3)</td>
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<tr>
<td>FIL 4602</td>
<td>Film Business</td>
<td>3(0,0)</td>
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<tr>
<td>FIL 4647</td>
<td>Film Production Management</td>
<td>3(0,0)</td>
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<tr>
<td>FIL 4661</td>
<td>The Film Producer</td>
<td>3(0,0)</td>
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<tr>
<td>FIL 4735C</td>
<td>CAH-ART</td>
<td>3(2,4)</td>
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<tr>
<td>FIL 4740C</td>
<td>Film and Digitalization</td>
<td>3(3,1)</td>
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**UNIVERSITY OF CENTRAL FLORIDA**

**Undergraduate Catalog 2010-2011**

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FIL 4750C CAH-ART 3(2,4) Animation Workshop: PR: Animation majors only, FIL 3702C, FIL 3734C, FIL 4735C, and a satisfactory portfolio review or C.I. A production level course in computer animation that emphasizes all phases of the commercial production process, including storyboard, budgets, client relations, and post-production. May be repeated for credit. Fall, Spring. M&S fee: $45.00

FIL 4808 Images and Text in Context: PR: FIL 2030 or C.I. Moving images, the still image, and text in their cultural contexts. Occasional.

FIL 4830 Motion Picture Genre: PR: FIL 2030. Analysis and evaluation of films, including their major genres, directors, styles, and periods. Even Fall. M&S fee: $5.00


FIL 4863C CAH-ART 3(1) Montage: PR: FIL 3075C and FIL 3076C. A study of montage primarily but not exclusively in film. Emphasizing the working relationship between content and form. The course is theoretical with practical exercises. Fall

FIL 4934C CAH-ART 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 4935C CAH-ART 3(1) Current Problems in Film Theory: PR: FIL 3035C. Concentration on most recent work in film studies concerned with film theory. Occasional.

FIL 4939C CAH-ART 3(1) Current Problems in Film History: PR: FIL 3035C. Concentration on the most recent work in film studies concerned with film history. Occasional.

FIL 5105 Visual Storytelling: PR: Admission to Film and Digital Media master's program or C.I. Traditional forms of visual storytelling ranging from storyboarding to classic structural paradigms for feature film scripts. Fall

FIL 5414 CAH-ART 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-ART 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 5612 CAH-ART 3(3,0) Film and Internet Business: PR: Graduate status or senior standing or C.I. Survey of the business of financing and distributing films. Explores various, including feature films, short films, television documents and the Internet. Fall

FIL 5800 CAH-ART 3(0) Research Methods in Film and Digital Media: PR: Admission to Film and Digital Media graduate program or C.I. Research methodology for the study and production of film and new media. Spring

FIL 5853 CAH-ART 3(3,0) Independent Cinematic Forms: PR: Admission to MFA Film & Digital Media-Entre Dig Cin track, or C.I. Evolution of low budget independent cinematic films through the works of modern and classical filmmakers within and beyond the studio system. Fall

FIL 5864 CAH-ART 3(3,0) Ways of Seeing: The Expressive Potential of Film: PR: Admission to MFA Film and Digital Media or C.I. A study of multidisciplinary theories that relate to the practice of filmmaking. Fall

FIL 5924 CAH-ART 1(1,0) Graduate Seminar: PR: Admission to MFA Film & Digital Media/Entrepreneurial Digital Cinema track, or C.I. Strategies for a successful graduate experience, and forum for modes of inquiry, film technique, production and distribution issues; and thesis defense preparation. Graded S/U. May be used in the degree program a maximum of 6 times. Fall

FIN 2100 BA-FIN 3(3,0) Personal Finance and Investments: PR: Open to all students (majors, minors, and non-majors). An overview of personal and family financial planning. Topics include housing, investments, insurance, retirement planning, estate planning, financial services, consumer credit, and tax planning. Fall, Spring.

FIN 3303 BA-FIN 3(3,0) Financial Markets: PR: FIN 3403C, open to majors or minors which require this course. The role of short and long-term financial markets and financial institutions in capital formation and allocation. Theories and mathematics of interest rates. Fall, Spring.

FIN 3403C BA-FIN 4(3,1) Business Finance: PR: Junior standing, AGC 2021, and ECO 2023. With the balance sheet as a reference point, this course provides an introduction and overview of the acquisition, financing, and management of business assets. Fall, Spring.

FIN 3403H BA-FIN 4(4,0) Business Finance for Honors: PR: Junior standing, AGC 2021 and ECO 2023. Open to Honors University students and other students participating in the honors program. Same as FIN 3403C with honors level content. Oct–March.

FIN 3414 BA-FIN 3(3,0) Intermediate Corporate Finance: PR: FIN 3403C, open to majors or minors which require this course. In-depth study of the principles of corporate finance. Investment, financing, and capital decisions are examined. Fall, Spring.


FIN 3504 BA-FIN 3(3,0) Investment Analysis: PR: FIN 3403C, open to majors or minors which require this course. A survey of investments, including security markets, investment vehicles, and environment. Principles of asset valuation in efficient markets. Fall, Spring.

FIN 4313 BA-FIN 3(3,0) Management of Financial Institutions: PR: FIN 3303, 3403; open to majors or minors which require this course. Advanced topics in financial management. Topics include asset liability, and capital management. The economics and regulatory influence on competition is considered. Occasional.

FIN 4324 BA-FIN 3(3,0) Commercial Bank Management: PR: FIN 3303; open to majors or minors which require this course. Analysis of the interactions of commercial banking policies and an analysis of current approaches to managing specific bank products. Fall

FIN 4424 BA-FIN 3(3,0) Advanced Topics in Financial Management: PR: FIN 3414, open to majors or minors which require this course. Advanced study in financial management. Topics include capital budgeting, financial structure, and capital decisions. Case studies used extensively. Occasional.

FIN 4445 BA-FIN 3(3,0) Financial Models: PR: FIN 3403C, FIN 3414, and FIN 3504; open to majors or minors which require this course. Mathematical models applied specifically to financial problems, including those models suitable for representation and solutions on computers. Fall, Spring.

FIN 4514 BA-FIN 3(3,0) Portfolio Analysis and Management: PR: FIN 3403C, FIN 3303 and FIN 3504; open to majors or minors which require this course. Options, futures, forwards, and other derivative contracts. Investments traded in these markets are examined. Pricing and hedging are considered. Fall, Spring.

FIN 4533 BA-FIN 3(3,0) Derivatives: PR: FIN 3403C, FIN 3303, and FIN 3504; open to majors or minors which require this course. Options, futures, forwards, and other derivative contracts. Investments traded in these markets are examined. Pricing and hedging are considered. Fall, Spring.

FIN 4560C BA-FIN 4(3,1) Applied Portfolio Management 1: PR: Finance major, FIN 3403C, FIN 3504, and C.I. For UCF Student Managed Portfolio program participants. Provides detailed, rigorous analyses of Equity portfolio management topics, including risk/return, valuation, forecasting, portfolio construction, and performance appraisal. Occasional.

FIN 4561C BA-FIN 4(3,1) Applied Portfolio Management 2: PR: Finance major, FIN 4560C, 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 4604 BA-FIN 3(3,0) International Financial Management: PR: FIN 3504; open to majors or minors which require this course. Analysis of the foreign financial methods and investment, currency futures market, capital budgeting, cash management, examination of Eurocurrency market and international bond markets. Fall, Spring.

FIN 4730 BA-FIN 3(3,0) Senior Financial Consulting: PR: Finance major, FIN 3403C, FIN 3303, CR: FIN 3414, FIN 4453. Project management in a collaborative, interdisciplinary team environment. Incorporates financial problem solving, design, and consulting in projects for major corporations. Part 1 of a 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. Project management in a collaborative, interdisciplinary team environment. Incorporates financial problem solving, design, and consulting in projects for major corporations. Part 2 of two semester course sequence. Students must register for both semesters. Occasional.

FIN 4941 BA-FIN 3(3,0) Finance Internship: PR: Finance major with at least 6 hours of completed coursework in finance, minimum overall GPA of 2.75 and consent of department chair. Supervised finance work experience in a pre-approved sponsoring organization. See department for information and application. Graded S/U. Fall, Spring.

FLE 3160 ED-TLP 3(3,0) 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 4290 ED-TLP 3(2,0) Technology in the Foreign Language classroom: PR: EME 2040, EDG 4223. Applications of technology in the foreign language classroom including uses of the Web, e-mail, chat, electronic portfolios, electronic curriculum planning tools, and software. May be repeated for credit. Occasional.

FLE 4314 ED-TLP 3(3,0) 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-TLP 3(3,0) Foreign Language Teaching in the Secondary School: Focus on French. Techniques of teaching foreign languages, including pronunciation, listening, speaking, reading, and writing skills. May be repeated for credit. Occasional.

FLE 5331 ED-TLP 3(3,0) Foreign Language Methods at the Secondary Level: PR: C.I., EDG 4323, or EDG 6236, or classroom teaching experience and fluency in the target language and English. Methods of teaching foreign language 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 5335 ED-TLP 3(3,0) Foreign Language Methods at the Elementary Level: PR: C.I. or FLE 4333 or FLE 5870, EDG 4323 or EDG 6236, and fluency in target language and English. 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.

FLE 5877 CAH-LANG 3(3,0) French Comprehension: PR: FLE 3201 or equivalent. An introduction to the main epochs of French history. Students will develop strong conversational skills at the third year level while studying French culture. 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 I: 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 II: PR: FRE 2200 or equivalent. Continuation of FRE 2200 with emphasis on French civilization. Fall, Spring.

FRE 2240 CAH-LANG 3(3,0) Intensive French Conversation: PR: One year of French or equivalent. Intensive practice of the language, leading toward fluency and correctness in speaking. Occasional.


FRE 3300 CAH-LANG 3(3,0) French Grammar: PR: FRE 2201 or equivalent. An in-depth study of the grammatical features 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. 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 Abroad: PR: FRE 2200 or 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 or equivalent. 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 dictation and location. Speeches and 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 pthonic 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) 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. May be repeated for credit. 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 4782 CAH-LANG 2(2,0) Advanced French Phonetics and Diction: PR: 2 years of college level French or equivalent. Introduces students to the pthonics of French phonetics and diction with both prose and poetry with particular emphasis on difficulties for speakers of English. Occasional.

FRT 3140 CAH-LANG 3(3,0) French and Francophone Literary Masterworks 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.

FRT 3562 CAH-LANG 3(3,0) French Contemporary Pop Culture: PR: FRE 2200. Examination of Modern French and its culture, with emphasis on contemporary trends in language, music, fashion, fiction, press, cyberculture, street arts, and food. Occasional.

FRT 4421 CAH-LANG 3(3,0) French Medieval Literature and Culture: PR: FRE 3630. 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. Main literary currents and works 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 introduce students to the main epochs of French literature. 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 a 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 Experience: 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) 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 Saramago, Beckett, Buto, Camus, Mauriac, Malraux and Sarrate. Occasional.

FRW 4310 CAH-LANG 3(3,0) Seventeenth 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 theatre after WWII, such as the works of Beckett, Camus, Claudel, Claudoux, Ionesco, and Sarrie; 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: Montesquieu, Voltaire, Diderot, Buffon. Odd Fall.


Occasional.
Provides background and tools necessary to understand How to Start a Business:
Business:
Cornerstone: Professional Skills for Fall.
Foundations of Business:
GEO 4777 CUL-CUL  3(3,0)
Food Production and Culinary Management:
Provides an understanding of the concepts and distributions.
Between markets and morality through a comparative analysis of capitalist and socialist ideals.
Technological Entrepreneurship:
Provides an introduction to the opportunity to develop skills in panary, guardmanager, garnishing, and convenience foods and services. Laboratory class. Occasional. M&S fee: $45.00
Corporate Contract and Managed Services Organizations:
PR: HFT 3263. The unique characteristics of managed services including contracting, commodity purchasing, pricing, and revenue management. Occasional.
Catering and Banquet Organization:
PR: HFT 4206C. An advanced food production course which provides the student the opportunity to develop skills in pantry, guardmanager, garnishing, and convenience foods and services. Laboratory class. Occasional. M&S fee: $45.00
Intermediate Techniques of Food Production:
PR: HFT 3221C and HHT 3263. The managerial and geographical developments that have affected the creation of the cuisines of the world. Spring.
Supply and Procurement Management:
PR: HFT 1000 and junior standing or C.I. The purchasing procedures, negotiations, and controls of food and related products in the hospitality industry. Occasional. M&S fee: $45.00
An orientation to opportunities and challenges facing managers in contemporary business organizations. Introduces competencies of team work, communication, creative thinking, and adapting to change. Fall, Spring.
Cornerstone: Professional Skills for Business:
PR: Junior standing. An orientation to the opportunity to develop skills in pantry, guardmanager, garnishing, and convenience foods and services. Laboratory class. Occasional. M&S fee: $45.00
Foundations of Business:
Introduction to International Business:
PR: Junior standing and ACG 2071, ECO 2013 and ECO 2023. Understanding the interdependence of globalized world economy and similarities between domestic and international business domains. Fall, Spring.
Introduction to International Business - Honors:
PR: Junior standing and permission of Honors. ACG 2071, ECO 2013, and ECO 2023. Understanding the interdependence of globalized world economy and similarities between domestic and international business domains. Same as GEB 3375 with honors level content. Occasional.
Business Plan Preparation:
PR: MAN 4802 or GEB 4152. Develop a new venture plan evolving from an original concept through a process that incorporates all the elements of a professionally written business proposal. Fall, Spring.
New Venture Finance:
PR: MAN 4802 or GEB 4152. Provides hands-on processes for developing financial information necessary such as budgets and pro forma financial statements to start up a new venture. Odd Fall, Even Spring.
Technological Entrepreneurship:
Business in the International Environment:
PR: Finance major, FIN 3403C, MAR 3023, MAN 3025. Provides an overall understanding of the nature, magnitude, and importance of the international business sector. Occasional.
International Negotiations and Transactions:
PR: Finance major. Junior standing and admission to CBA. Focuses on understanding the concepts and skills required for international negotiations and transactions. Occasional.
Moral Foundations of Business:
PR: MAN 3005 or C.I. Ethical foundations of business and the relationship between markets and morality through a comparative analysis of capitalist and socialist ideals. Occasional.
Business Law in Sport & Entertainment:
PR: SPB 3003. Understanding of the legal issues involved in the operation and management of organizations in the sport and entertainment industries. Fall.
Business in Sport & Entertainment:
PR: SPB 3003. Understanding of the legal issues involved in the operation and management of organizations in the sport and entertainment industries. Fall.
Technological Entrepreneurship:
PR: Graduate standing. Focus of the course is on identification, evaluation, and commercialization of new technologies. Emphasis will be placed on the legal, financial, and strategic aspects of technology transfer and development. Occasional.
Professional Business Practicum:
PR: Acceptance in the graduate program. The practicum is to provide a professional business work experience for students entering the MBA program without such experience. Occasional.
Physical Geography:
Basic physical elements of geography, including climate, landforms, soils, natural vegetation, minerals, and their integrated patterns of world distribution. Fall, Spring.
Geography of Latin America and the Caribbean, including geophysical, cultural, economic, and social characteristics. A examination of the relationship between domestic and international business domains.
Supply and Procurement Management:
PR: HFT 3263. The unique characteristics of managed services including contracting, commodity purchasing, pricing, and revenue management. Occasional.
An advanced food production course which provides the student the opportunity to develop skills in pantry, guardmanager, garnishing, and convenience foods and services. Laboratory class. Occasional. M&S fee: $45.00
Intermediate Techniques of Food Production:
PR: HFT 4206C. An advanced food production course which provides the student the opportunity to develop skills in pantry, guardmanager, garnishing, and convenience foods and services. Laboratory class. Occasional. M&S fee: $45.00
Catering and Banquet Organization:
PR: FSS 2221C and HHT 3263. The managerial and geographical developments that have affected the creation of the cuisines of the world. Spring.
Supply and Procurement Management:
PR: HFT 1000 and junior standing or C.I. The purchasing procedures, negotiations, and controls of food and related products in the hospitality industry. Occasional. M&S fee: $45.00
An orientation to opportunities and challenges facing managers in contemporary business organizations. Introduces competencies of team work, communication, creative thinking, and adapting to change. Fall, Spring.
Cornerstone: Professional Skills for Business:
PR: Junior standing. An orientation to the opportunity to develop skills in panary, guardmanager, garnishing, and convenience foods and services. Laboratory class. Occasional. M&S fee: $45.00
Foundations of Business:
GEO 4405 CAH-CAH  3(3,0)
Geography of Latin America: PR: ENC 1102 or C.I. Geography, political styles, ethnic divisions, and the politics of energy. Fall, Spring.
GEO 3471 COS-POLS  3(3,0)
World Political Geography: Analysis of factors which affect power relations among nations, including area, location, political styles, ethnic divisions, and the politics of energy. Fall, Spring.
GER 1120C CAH-CAH  4(3,1)
Elementary German Language and Civilization I: Introduces the student to German culture through the major language skills: listening, speaking, reading, and writing. Open only to students with no experience in this language. Fall, Spring.
GER 1120H CAH-CAH  4(4,1)
Honors Elementary German Language and Civilization I: PR: Permission of Honors. Introduces the student to German 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.
GER 1121C CAH-CAH  4(3,1)
Elementary German Language and Civilization II: PR: GER 1120C or equivalent. Continuation of GER 1120C. Fall, Spring.
GER 1121H CAH-CAH  4(4,1)
Honors Elementary German Language and Civilization II: PR: GER 1120H or equivalent and permission of Honors. Continuation of GER 1120H, with honors-level content. Occasional.
GER 2200 CAH-CAH  3(3,1)
Intermediate German Language and Civilization I: PR: GER 1121C or equivalent. Development of language skills and cultural knowledge at the intermediate level. Fall, Spring.
GER 2201 CAH-CAH  3(3,1)
Intermediate German Language and Civilization II: PR: GER 2200 or equivalent. Continuation of GER 2200 with emphasis on German civilization. Spring.
GER 2210 CAH-CAH  3(3,0)
Intensive German Conversation: PR: GER 1121C or C.I. Practical use of the language, leading toward fluency and correctness in speaking. Occasional.
GER 2240 CAH-CAH  3(3,0)
German Conversation: PR: GER 2201 or equivalent. Development of skills in conversation and comprehension through practice. Occasional.
GER 2270 CAH-CAH  6(6,0)
Intermediate German Study Abroad: PR: GER 1121C or equivalent. Intermediate German language and culture taught in the native environment. Occasional.
GER 2271 CAH-CAH  2(2,0)
Modern German Civilization Abroad I: PR: One year of College-level German. Key elements of German life: its artistic, intellectual, scientific, and spiritual contributions to the world via guest lecturers, readings, films, and other media. In German. Occasional.
GER 3102 CAH-CAH  3(3,0)
Germany - Past to Present: PR: GER 3710 or GER 3420 or equivalent. Cultural development that shaped modern Germany. Students will read and discuss selected texts from different literary periods and view the influences they had on culture and daily life. Course conducted in German. Occasional.
GER 3272 CAH-CAH  2(2,0)
Modern German Civilization Abroad II: PR: GER 2201 or equivalent. Key elements of German life: its artistic, intellectual, scientific, and spiritual contributions to the world via guest lecturers, readings, films, and other media. In German. Occasional.
GER 3420 CAH-CAH  3(3,0)
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Prerequisites</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>GRA 3012C</td>
<td>Intermediate Graphic Design I:</td>
<td>PR: Acceptance in Graphic Design Specialization and ART 2201C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I.</td>
<td>(3,4)</td>
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<td>Intermediate Graphic Design II:</td>
<td>PR: Acceptance in Graphic Design Specialization and ART 2201C, ART 2300C, ART 2301C, PGY 2401C, ART 3002C, ART 3001C, PGY 2401C, GRA 3102C and a satisfactory portfolio review or C.I. Further development of studio techniques and problem solving with emphasis on digital prepress.</td>
<td>(3,4)</td>
</tr>
<tr>
<td>GRA 3202C</td>
<td>CAH-ART</td>
<td>PR: ART 2201C, ART 2300C, ART 2301C, PGY 2401C, and a satisfactory portfolio review or C.I. The use of computer graphic systems for electronic publication.</td>
<td>(3,4)</td>
</tr>
<tr>
<td>GRA 3803C</td>
<td>CAH-ART</td>
<td>PR: Acceptance in Graphic Design Specialization and ART 2201C, ART 2300C, ART 2301C, GRA 2140C, and a satisfactory portfolio review or C.I.</td>
<td>(3,4)</td>
</tr>
<tr>
<td>GRA 4119C</td>
<td>Programming and Design in Display Systems:</td>
<td>PR: Acceptance in Graphic Design Concentration and GRA 3102C. The visual concepts of packaging design and display systems. Exploration of materials, structures, function and semantic aspects of the packaging industry.</td>
<td>(3,4)</td>
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<tr>
<td>GRA 4154C</td>
<td>CAH-ART</td>
<td>PR: ART 2201C, ART 2300C, ART 2301C, GRA 2140C, and a satisfactory portfolio review or C.I.</td>
<td>(3,4)</td>
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<td>Advanced Graphic Design:</td>
<td>PR: Acceptance in Graphic Design Specialization, ART 2201C, ART 2300C, ART 2301C, PGY 2401C, GRA 3102C, GRA 3112C, GRA 3803C, GRA 2151C or ART 3332C, and a satisfactory portfolio review, or C.I.</td>
<td>(3,4)</td>
</tr>
<tr>
<td>GRA 4802C</td>
<td>CAH-ART</td>
<td>PR: Acceptance in Graphic Design Specialization and ART 2201C, ART 2300C, ART 2301C, PGY 2401C, GRA 3102C, GRA 3112C, GRA 3803C, GRA 4196C, GRA 2151C or ART 3332C, GRA 4154C or ART 4302C, and a satisfactory portfolio review or C.I. Advanced problems in visual design and reproduction. May be repeated for credit.</td>
<td>(3,4)</td>
</tr>
<tr>
<td>GRE 1120H</td>
<td>CAH-LANG</td>
<td>PR: Permission of Honors. Introduces students to Classical Greek literature and civilization through the study of grammar and syntax and extensive readings of Greek texts.</td>
<td>(4,0)</td>
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<tr>
<td></td>
<td>Elementary Greek Language and Civilization I:</td>
<td>PR: GRE 1120H and permission of Honors. Continuation of Elementary Greek I.</td>
<td>(4,1)</td>
</tr>
<tr>
<td>GRE 2220H</td>
<td>CAH-LANG</td>
<td>PR: GRE 2212H and permission of Honors. Readings in selected original Greek texts, e.g., Plato’s apology. May be repeated for credit.</td>
<td>(4,0)</td>
</tr>
</tbody>
</table>
HAI 1120 CAH-LANG 4(4,0) Elementary Haitian Language and Culture I: Introduction to Haitian culture through the major language skills; listening, speaking, reading and writing. Occasional.


HBR 1120 CAH-JUD 4(4,0) Elementary Modern Hebrew Language and Culture I: Designed to initiate the student to the major language skills; listening, speaking, reading and writing, as well as to constitute an introduction to Israeli culture. Fall.

HBR 1121 CAH-JUD 4(4,0) Elementary Modern Hebrew Language and Culture II: PR: HBR 1120 or equivalent. Continuation of HBR 1120. Spring.

HBR 2200 CAH-JUD 3(3,0) Intermediate Modern Hebrew I: PR: HBR 1121 or equivalent. Designed to continue the study of Modern Hebrew. Increase proficiency in conversation, reading and writing skills, and further expose students to Israeli culture. Occasional.

HBR 2201 CAH-JUD 3(3,0) Intermediate Modern Hebrew II: PR: HBR 2200. Further development of Modern Hebrew language skills in listening, speaking, reading, and writing. Occasional.


HBR 3410 CAH-JUD 3(3,0) Conversational Israeli Hebrew: PR: HBR 1120, HBR 1121 or equivalent. CI. Study and practice of contemporary conversational Israeli Hebrew. Occasional.

HFT 1000 RCHM-HSERV 3(3,0) Introduction to the Hospitality and Tourism Industry: An orientation to the hotel, restaurant, and travel industry, and its history, structure, and operating procedures. Fall, Spring.

HFT 1356 RCHM-TEA 3(3,0) Concepts and Practices of Golf Associations: PR: Admission to Professional Golf Management Program; CR HFT 1000. Philosophies and ideals of the Professional Golfers Association of America and the importance of the rules of golf as related to rules decisions. Fall.

HFT 2220 RCHM-HSERV 3(3,0) Hospitality Human Resources Management: Application of strategic principles of human resources to the hospitality tourism setting. Fall, Spring.

HFT 2254 RCHM-HOS 3(3,0) Lodging Operations: PR: HFT 1000. Basic principles of operating a lodging facility including accounting, housekeeping, engineering, front desk, and guest services. Fall, Spring.

HFT 2359 RCHM-TEA 3(3,0) Design & Maintenance of Golf Equipment: Knowledge and application of golf club design principles and club repair procedures. Occasional.

HFT 2401 RCHM-HSERV 3(3,0) Hospitality Industry Financial Accounting: Basic understanding of financial accounting and specifically hospitality industry accounting concepts and procedures used in hotels, restaurants and clubs. Fall, Spring.

HFT 2500 RCHM-HSERV 3(3,0) Hospitality and Tourism Marketing: PR: HFT 1000. The application of marketing concepts to the Hospitality and Tourism Industry. Special emphasis on marketing planning and strategic marketing. Fall, Spring.

HFT 2750 RCHM-TEA 3(3,0) The Event Industry: Overview of meetings, conventions, special events and exhibitions including the roles of organizations and people involved in the businesses that comprise this industry. Fall, Spring.

HFT 3263 RCHM-HOS 3(3,0) Restaurant Management: PR: HFT 1000, FSS 2222C, and junior standing or CI. Discussion of the topics integral for the successful management of restaurant and food service organizations. Fall, Spring.

HFT 3273 RCHM-HOS 3(3,0) Principles of Resort Timesharing: PR: HFT 1000 and junior standing or C.I. Principles of resort timeshare operations and ownership. Fall, Spring.

HFT 3285 RCHM-HOS 3(3,0) International Hospitality/Hospitality Corporate Management: PR: HFT 3263. The specific principles of managing a restaurant corporation in the international foodservice marketplace. Occasional.

HFT 3323 RCHM-HSERV 3(3,0) Hospitality Physical Plant Management: PR: Junior standing. An in-depth look at the physical plant and structure of enterprises in the hospitality industry. Spring.

HFT 3353 RCHM-TEA 3(3,0) Golf Planning & Operations I: PR: HFT 2399. Customer relations concepts, an effective golf instruction program, and characteristics of effective merchandising & inventory procedures. Occasional.

HFT 3354 RCHM-TEA 3(3,0) Agronomy for Golf Course Management: PR: HFT 3353. Primary roles and responsibilities of the golf course superintendent. Occasional.

HFT 3355 RCHM-TEA 3(3,0) Golf Planning & Operations II: PR: HFT 3353. Merchandising and inventory control, golf swing philosophy and leadership models. Occasional.

HFT 3357 RCHM-TEA 3(3,0) Golf Event Operations: PR: HFT 1556; HFT 1000, HFT 2500. Develop, plan, and organize golf tournaments of all types. Occasional.

HFT 3373 RCHM-TEA 3(3,0) Event Design, Production & Technology: PR: HFT 1000, HFT 4750, and HFT 3670, or C.I. Aspects of event production, including art, design and staging. How technology is used in the event industry to increase effectiveness and productivity. Fall, Spring.

HFT 3374 RCHM-TEA 3(3,0) Multi Media Applications in Exhibitions: PR: HFT 1000, HFT 2750, or C.I. The management of the audio and visual process of a large exhibition. Occasional.

HFT 3384 RCHM-TEA 3(3,0) Golf and Club Enterprises Management: PR: HFT 1000, FSS 2222C. Comprehensive examination of the golf and club management industry, its related national and international associations, and career path opportunities. Occasional.

HFT 3431 RCHM-HSERV 3(3,0) Hospitality Industry Managerial Accounting: PR: HFT 2401 and junior standing or C.I. Presentation, interpretation, and analysis of internal and external hospitality industry financial reports affecting management decisions using hospitality industry systems of accounting. Fall, Spring.

HFT 3443 RCHM-TEA 3(3,0) Event Technology: PR: HFT 1000 and HFT 2750, or C.I. Use of technology in the event industry to solidify processes and help people be more productive. Covers types of technology for different event processes. Occasional.

HFT 3444 RCHM-HSERV 3(3,0) Hospitality Information Systems: PR: CGS 21000, HFT 2754, and HFT 3263, or C.I. Focuses on management functions and practices, information systems and technology in hospitality. Higher tech for higher touch building on computer literacy and operation knowledge. Fall, Spring.

HFT 3512 RCHM-TEA 3(3,0) Event Promotion: PR: HFT 1000, HFT 2750, and HFT 2500; or C.I. Promotion of events to sponsors, attendees, exhibitors and other participants. Occasional.

HFT 3515 RCHM-HOS 3(3,0) Reservations Sales & Marketing: PR: HFT 1000, HFT 2750 or C.I. Provides insight to all aspects of planning, performing and measuring room sales activities. Focus will be to manage all distribution channels to maximize profitability. Odd Fall.

HFT 3517 RCHM-TEA 3(3,0) Convention and Conference Sales: PR: HFT 2750 and junior standing or C.I. In-depth understanding of the sales process for the convention market. Covers the people, methods, materials and equipment needed. Fall.

HFT 3519 RCHM-TEA 3(3,0) Event Sales: PR: HFT 2500 and HFT 3519, or C.I. An in-depth look at the sales processes of events, including the development of requests for proposals, negotiation skills and sales strategies. Fall, Spring.

HFT 3540 RCHM-HSERV 3(3,0) Guest Services Management I: PR: Junior standing or C.I. The study of making decisions from the guest’s point of view in the hospitality industry. Fall, Spring.

HFT 3574 RCHM-HOS 3(3,0) Franchising in the Restaurant Industry: PR: Restaurant Management Core or C.I. Addresses the legal requirements for franchising, contract rates, responsibilities, size, structure, and history. Fall.

HFT 3603 RCHM-HSERV 3(3,0) Legal Environment in the Hospitality and Tourism Industry: PR: CR HFT 2750; or C.I. The process of setting objectives to analyzing the success of the event. Fall, Spring.

HFT 3610 RCHM-HOS 3(3,0) Law and Restaurant Management: PR: HFT 3603 and HFT 3263. Emphasis on regulatory, case and administrative law. Compliance, prevention, and remedial actions are stressed. Occasional.

HFT 3654 RCHM-HOS 3(3,0) Franchising in the Restaurant Industry: PR: Restaurant Management Core or C.I. Addresses the legal requirements for franchising, contract rates, responsibilities, size, structure, and history. Fall.

HFT 3670 RCHM-TEA 3(3,0) Hospitality and Event Risk Management: PR: HFT 1000 and HFT 2750; or C.I. Risk issues that may arise in the planning and management of special events, meetings, conventions, and exhibitions. Occasional.

HFT 3700 RCHM-TEA 3(3,0) 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.

HFT 3741 RCHM-TEA 3(3,0) Meeting Management: PR: HFT 4753 and HFT 4754. The process of meeting planning, from setting objectives to analyzing the success of the event. Fall, Spring.

HFT 3770 RCHM-TEA 3(3,0) Cruise Line Operations and Management: PR: HFT 1000 and junior standing or C.I. Understanding of cruise company operations and management. Shipboard organization and delivery of the cruise product to the guest. Occasional.

HFT 3785 RCHM-TEA 3(3,0) Management of Gaming Enterprises: PR: Junior level standing, an in-depth study of gaming-based organizations including cruise ships, Indian reservation casinos, and others. The history and development of gaming organizations, the economics, social, and cultural impact of gaming and managerial challenges and opportunities in the industry. Occasional.
HFT 3792 RCHM-TEA 3(3,0) Event Design and Production: PR: HFT 1000, HFT 3443, HFT 3670, or C.I. The role of design in the creation of visual images for events. Techniques in planning and producing events.

HFT 3798 RCHM-TEA 3(3,0) Fairs and Festivals: PR: HFT 1000 and HFT 2750; or C.I. Evolution of modern day exhibitions and trade shows from fairs and festivals. Occasional.

HFT 3807 RCHM-HOS 3(3,0) Multi-Unit Food & Beverage Operations: PR: HFT 1000 and junior standing or C.I. The strategy and management aspects of chain restaurant management, including organization development, brand building, and industry segments. Spring.

HFT 3834 RCHM-HSP SERV 3(3,0) Topics in Restaurant and Foodservice Management: PR: HFT 3636 and FSS 2221C. Guest lecture series covering contemporary issues in the various segments of the foodservice industry. Odd Spring.

HFT 3868 RCHM-HOS 3(3,0) History and Culture of Wine: PR: World History course or C.I. The role that wine has played in the history, culture, and religion of diverse civilizations. Fall. Spring. M&S fee: $45.00

HFT 3933 RCHM-RCHM 1(1,0) Distinguished Lectures in Hospitality Management: PR: HFT 1000. Junior standing. First hand introduction to hospitality leaders, their perspectives on the segments they represent, and the breadth of those segments. Graded S/U. Fall, Spring.

HFT 3949 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.

HFT 4206C RCHM-HOS 3(3,1) Hospitality Operations: PR: Junior Standing or C.I. An integration of lodging and food service operations providing students with a comprehensive knowledge of these related content areas; food service lab component. Occasional.

HFT 4253 RCHM-HOS 3(3,0) Hotel Operations: PR: HFT 1000, HFT 2220; FSS 2221C; HFT 2254; HFT 2500; HFT 2750; HFT 2401; HFT 3444; HFT 3540. Provides the advanced student with first-hand knowledge of the day-to-day operations of a hotel property. Reconciles conflicts between theory and practice in a real life hotel. Spring.

HFT 4255 RCHM-HOS 3(3,0) Advanced Hotel Development: PR: HFT 4464, HFT 4473, or C.I. Hotel investment practices, risk management and other investment decision factors. Occasional.

HFT 4266 RCHM-HOS 3(3,0) Restaurant Brand Management: PR: HFT 3636 and junior standing or C.I. Exploration of the principles of brand management for the corporate restaurant industry. Occasional.

HFT 4268 RCHM-HOS 3(3,0) Case Studies in Restaurant Management: PR: HFT 3636 and junior standing or C.I. Application of case study methodology to advanced topics in restaurant and food service management. Fall, Spring.

HFT 4269 RCHM-HOS 3(3,0) Case Studies in Multi-Unit Restaurant Management: PR: HFT 3263. Application of case study methodology to advanced topics in chain or multi-unit restaurant and foodservice operations. Occasional.

HFT 4274 RCHM-HOS 3(3,0) Vacation Ownership Resort Management: PR: HFT 3723, HFT 4252 or C.I. Comprehensive analysis of applied theories, principles, and techniques used in the management of vacation resorts. Occasional.

HFT 4275 RCHM-HOS 3(3,0) Development of Vacation Ownership Resorts: PR: HFT 4475 or C.I. Comprehensive analysis of applied theories, principles, and techniques used in the planning and development of vacation resorts. Occasional.

HFT 4277 RCHM-TEA 3(3,0) Yacht, Country, And City Club Management: PR: HFT 1000. A study of the history, development, operation and management of Yacht, Country and City Clubs. Emphasis will be placed on operational aspects. Fall.

HFT 4281 RCHM-HOS 3(3,0) Restaurant Leadership Strategies and Management: PR: Hospitality Management Core and Restaurant Management Core or C.I. An analysis of the leadership styles of restaurant industry founders and executives. Fall, Spring.

HFT 4284 RCHM-HOS 3(3,0) Training and Employee Performance in the Foodservice Industry: PR: HFT 2220, HFT 3540; HFT 4266; HFT 4268; HFT 4433; FSS 3124; FSS 4135. Teaching and training methodologies relative to the service position in a restaurant. Encompasses training techniques, guest interaction, and assessment of service performance. Occasional.

HFT 4286 RCHM-HSP SERV 3(3,0) Hospitality Communications: PR: HFT 1000; HFT 2254; HFT 2500; HFT 2750; HFT 2401; HFT 3444; HFT 3540. Communication exchanges in the hospitality industry for effective presentations, conflict resolution, and report writing. Emphasis on interpersonal and human relations in hospitality. Fall, Spring.

HFT 4295 RCHM-HOS 3(3,0) Leadership and Strategic Management in Hospitality Industry: PR: Completion of Hospitality Management Core program. Principles of strategic vision making in various hospitality and tourism organizations; lectures, class discussions, and group case analysis presentations. Fall, Spring.

HFT 4298 RCHM-HOS 3(3,0) Hospital Business Consulting: PR: HFT 1000 and junior standing or C.I. A systematic approach to Hospitality Management. Students apply their cumulative knowledge in an active learning environment in a small hospitality organization. Occasional.

HFT 4343 RCHM-HSP SERV 3(3,0) Hospitality Facilities Planning and Design: PR: HFT 1000, HFT 2254 and junior standing; or C.I. Principles of facility planning, layout and design for dining, kitchen, guest room, lobby, and service areas. Odd Fall.

HFT 4345 RCHM-TEA 3(3,0) Golf Course Facility Design: PR: HFT 3355. Golf course and golf facility design from a functional perspective and from a perspective of form. Occasional.

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 4413 RCHM-HSP SERV 3(3,0) Technology Applications for Hospitality Management: PR: HFT 3444 Hospitality Information Systems. Provides students with fundamental information system concepts and techniques for applying information technology to strategic thinking in hospitality organizations. Odd Spring.

HFT 4425 RCHM-HSP SERV 3(3,0) Financial Analysis for Restaurant Managers: PR: HFT 2401, HFT 3431, and HFT 2633. Topics of unit level economics, budgeting, valuation of restaurant ownership models, franchising finance, and securing access to capital through debt and equity markets. Occasional.

HFT 4432 RCHM-HSP SERV 3(3,0) Hospitality Industry Auditing: PR: HFT 3431 Hospitality Industry Management Accounting. Provides basic fundamentals of eliminating fraud and saving money through proper internal controls in the hospitality industry. Occasional.

HFT 4442 RCHM-HOS 3(3,0) Vacation Ownership Reservations and Database Systems: PR: HFT 1000, HFT 3373, HFT 4522, HFT 4274 or C.I. Tactics and strategies necessary for owner exchange, information transmittal, and financial reporting. Occasional.

HFT 4457 RCHM-HSP SERV 3(3,0) Food, Beverage, and Labor Cost Controls: PR: HFT 3431 Hospitality Industry Management Accounting. Provides students with basic fundamentals of food, beverage, and labor cost control systems in the hospitality industry. Fall, Even Spring.

HFT 4464 RCHM-HSP SERV 3(3,0) Hospitality Industry Finance: PR: HFT 3431 and junior standing or C.I. Working knowledge of finance concepts and theories applicable to the Hospitality Industry including evaluating management contracts, franchising, and leasing. Odd Fall, Odd Spring.

HFT 4468 RCHM-HOS 3(3,0) Hospitality Industry Investment: PR: HFT 2254 and HFT 3431. Revenue management practices in hospitality organizations which include capacity and demand management, revenue forecasting, discounting, overbooking and rate management. Fall, Spring.


HFT 4522 RCHM-HOS 3(3,0) Vacation Ownership Resort Sales Tactics and Strategies: PR: HFT 1000, HFT 3273 or C.I. Sales tactics and corporate strategies employed in the sales and marketing of vacation ownership properties. Occasional.

HFT 4532 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 4614 RCHM-TEA 3(3,0) Management in the Theme Park and Attractions: PR: HFT 4755 and HFT 3663 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 4645 RCHM-HOS 3(3,0) Restaurant Real Estate, Site Selection, and Modeling: PR: Hospitality and Restaurant Management Core or C.I. Examines the management systems for finding, evaluating, securing, and developing dynamic restaurant real estate locations. Occasional.

HFT 4722 RCHM-TEA 3(3,0) Travel Agency Management: PR: Junior Standing. The trends operation management procedures and practices of travel agents. Emphasis on tools utilized in agency operations. Occasional.


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 4736 RCHM-TEA 3(3,0)  

HFT 4753 RCHM-TEA 3(3,0)  
Convention and Conference Services: PR: HFT 3700 or C.I. Provides an understanding of the acquisition and management of services (food and beverage, audio visual, transportation, etc.) integral to effective convention and conference operations. Spring.

HFT 4754 RCHM-TEA 3(3,0)  
Exhibit and Trade Show Operations: PR: HFT 2750 and junior standing 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 resource management, operations, merchandising, food services, and architectural design. Fall, Spring.

HFT 4757 RCHM-TEA 3(3,0)  
Event Management: PR: HFT 3670, HFT 3512, HFT 3373, HFT 3523, HFT 3359, or C.I. Event planning, including how organizations use events to achieve strategic objectives. Students plan and execute events that meet and/or exceed industry standards. Fall, Spring. M&S fee: $37.00.

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 4762 RCHM-TEA 3(3,0)  

HFT 4786 RCHM-TEA 3(3,0)  
Managing the Guest Experience in the Theme Park and Attraction Industry: PR: HFT 4755. The management of guest needs and expectations in theme parks and attractions. Fall.

HFT 4822 RCHM-TEA 3(3,0)  
Coding Procedures I: PR: HSC 3537 or C.I. Principles and mechanics of coding systems for outpatient health information retrieval; ICD-9-CM; DRGs; encoders. Fall, Spring.

HFT 4826 RCHM-TEA 3(3,0)  

HFT 4861C RCHM-TEA 3(3,1)  
Beverage Management: PR: Minimum age of 21 by the first day of class and junior standing. The origin production, storing, marketing and sale of beverages in the hospitality industry. Spring. M&S fee: $45.00.

HFT 4864 RCHM-TEA 3(3,0)  

HFT 4865 RCHM-TEA 3(3,0)  

HFT 4866C RCHM-TEA 3(3,1)  
Exploring Wines of the World: PR: HFT 1000; HFT 3263; and Age of 21; or C.I. Using senses to evaluate wines, methodology of tasting and evaluating wines, growing, processing, and production of grape varieties used in making wine. Odd Fall, Even Spring. M&S fee: $45.00.

HFT 4894 RCHM-TEA 3(3,0)  
International Gastronomy: PR: FSS 2212C, HFT 3700, and C.I. A world view of culture and cuisine that includes an international travel component. May be used in the degree program a maximum of 2 times. Spring.

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: Acceptance into upper-division limited access HIM program or C.I. Foundation of profession; release of information; record analysis; numbering and filing systems; standards for long-term care; ambulatory care; and mental health records. Fall, Spring.

HIM 3116C HPA-HMI 4(3,2)  
Health Record Organization and Management: PR: HIM 3006. Nomenclatures/classification systems; health and vital statistics; data analysis and presentation; indexing; computer abstracting; and/or American historiography. May be used in the degree program a maximum of 2 times. Fall.

HIM 3116C HPA-HMI 3(3,0)  
Health Record Organization and Management I: PR: HIM 3006. Nomenclatures/classification systems; health and vital statistics; data analysis and presentation; indexing; computer abstracting; and/or American historiography. May be used in the degree program a maximum of 2 times. Fall.

HIM 3806C HPA-HMI 3(1,4)  
Professional Practice Experience I: PR: Admission to HIM program. CR: HIM 3006, HCS 3537 and HIM 3116C. 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 II: 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)  
Health Information Management Systems: PR: HIM 3006 or C.I. Principles and mechanics of coding systems for inpatient health information retrieval; ICD-9-CM; DRGs; encoders. Fall, Spring.

HIM 4266C 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 4656C HPA-HMI 3(2,2)  
Health Information Management Systems: PR: HIM 3006 and C.I. Principles and mechanics of coding systems for inpatient health information retrieval; ICD-9-CM; DRGs; encoders. Fall, Spring.

HIM 4767 HPA-HMI 3(3,0)  
Professional Development and Issues in Health Information Management: PR: HIM 4344C, HIM 4506C. 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 1(1,4)  
Professional Practice Experience II: PR: HIM 3806C and CR: HIM 4226C, HIM 4256C, HIM 4344C, and HIM 4506C. Transcription; coding; quality improvement; risk management; utilization review; reimbursement; revenue management cycle; medical staff organization. Fall, Spring.

HIM 4838 HPA-HMI 5(0,15)  
Management Affiliation: PR: All other required courses. Assignment to a selected health care facility serving in an administrative capacity under the direction of a Registered Record Administrator; lab exercises; comprehensive exam. Fall, Spring.

HIM 5118C HPA-HMI 4(3,1)  
Health Care Informatics and Information Technology: PR: Admission to M.S. in Health Care Informatics or C.I. An overview of information systems in healthcare and information technology in healthcare decision making. Ethical, planning and legal issues of informatics will be explored. Fall.

HIS 3462 CAH-HIST 3(3,0)  

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 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 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 497OH CAH-HIST VAR
UNDERGRADUATE HONORS 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 5158 CAH-HIST 3(3,0)
Classics and Contemporary Historical Thought: PR: Graduate status or senior standing or C.I. Course will explore work of important historians influenced by social theory to gain an understanding of their main concepts. Occasional.

HLP 2701 ED-ERTL 3(3,0)

HLP 4722 ED-ERTL 1(1,0)
Teaching Elementary School Health and Physical Education: PR: EDP 2005; CME 4313, MUE 3210, RED 4519, MAE 3236, and EDE 3942. Organization, practice, and conduct of health (including drug abuse) and physical education programs in the elementary school. Fall, Spring.

HSA 3012 HPA-HP 3(3,0)
Issues & Trends in Public Health: PR: STA 2032 or C.I. The American public health system, looking at the historical, present day, and future organization and management of all its components. Fall, Spring.

HSA 3111 HPA-HP 3(3,0)
U.S. Health Care Systems: PR: Major or minor in College of Health or C.I. A survey of the economics, social, and political aspects of the health care system in the United States. Fall, Spring.

HSA 311H1 HPA-HP 3(3,0)

HSA 3170 HPA-HP 3(3,0)
Health Care Finance: PR: HSA 3111 or C.I.; AGC 2021 and AGC 2071. Budgeting and resource allocation related to health care agencies. Fall, Spring.

HSA 3222 HPA-HP 3(3,0)

HSA 3430 HPA-HP 3(3,0)
Health Care Economics: PR: HSA 3111; ECO 2203; 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 Managed Care: PR: HSA 3111 or C.I. Course will introduce the contractual, financial, and practice pattern components of managed care. Even Fall, Spring.

HSA 4150H HPA-HP 3(3,0)
Honors Health Care Policy: PR: Permission of Honors and Junior Standing or C.I. Examination of five significant policy issues to enable the student to gain knowledge and understanding of complex health care as a societal issue. Occasional.

HSA 4180 HPA-HP 3(3,0)
Organization & Management for Health Agencies I: PR: HSA 3111 or C.I. General description and analysis of the management and organization of a variety of healthcare organizations including hospitals, long term care facilities and medical group practices. Fall.

HSA 4184 HPA-HP 3(3,0)
Organization & Management for Health Agencies II: PR: HSA 3111 and HSA 4180, or C.I. In-depth analysis of the management and organization of healthcare organizations including hospitals, long term care facilities, and medical group practices. Fall.

HSA 4191 HPA-HP 3(3,0)
Health Care Automation: PR: HSA 3111; CGS 2100C, or CGS 3100C; C.I. Analysis and design of computerized systems for health data and health administration. Fall, Spring.

HSA 4220 HPA-HP 3(3,0)

HSA 4502 HPA-HP 3(3,0)

HSA 4701 HPA-COM SC&DIS 6(6,0)
Introduction to Research in the Health Professions: PR: Senior or post-bac standing. The logic of research and the architecture of basic and applied investigations that are internally and externally reliable and valuable will be stressed.

HSA 4702 HSA-HP 3(3,0)
Healthcare Sciences Research Methods: PR: HSA 3111; STA 2041C or STA 2022 or C.I. Introduction to research design in the Health Sciences, including design, literature review, testing, analysis, and conclusions. Fall, Spring.

HSA 4939 HSA-HP 3(3,0)
Health Services Research Administration: PR: HSA 3111; STA 2022, or C.I. Study of the organization and management of health care organizations. Students will integrate previous coursework to evaluate an existing healthcare organization. Fall, Spring.

HSA 5177 HSA-HP 3(3,0)
Foundations of Health Care Finance: PR: Admission to graduate program in HSA or C.I. Preparation course for graduate students who are not prepared to take the required health care finance course. Occasional.

HSA 5198 HSA-HP 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 management decision making process will be presented. Occasional.

HSA 5257 HPA-HP 3(3,0)
ICD Coding for Health Services Administrators: PR: HSC 6636, B.S. in Health related field, or C.I. Emphasis on developing basic skills to facilitate an understanding of the coding process and the compliance issues relevant to the process. May be repeated for credit. Occasional.

HSA 5258 HPA-HP 3(3,0)
CPT Coding for Health Services Administrators: PR: HSC 6636 or C.I. or B.S in health related field. Emphasis on developing skills to facilitate an understanding of CPT Coding process and the compliance issues relevant to the process. Occasional.

HSC 1931C HPA-HP 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: A survey of allied health professions with regard to duties, responsibilities, education and training, ethics, and relationships with other health professionals. Graded S/U. Fall.

HSC 2100 HPA-HP 3(3,0)
US Healthcare: Introduction and Challenges: History in the US as a backdrop to the professionals, array of services and the social and economic forces affecting their performance. Occasional.

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 3010C, EGN 105C, ENR 105C, IDS 1040C, GEB 1091C or EDG 1050C. Experiential leadership in an appropriate setting with the LEAD Scholars Program. May be repeated for credit. Occasional.

HSC 3110 HPA-HP 3(3,0)
Medical Self Assessment: PR: ENC 1011 and MGT 1100. Development of clinical skills and understanding of one’s health to encourage active participation of individuals in their own health care. Fall, Spring.

HSC 3147 HPA-HP 3(3,0)
Introduction to Pharmacology: Review of terminology and regulations. Study of drug types and usage. Fall, Spring.

HSC 3211 HPA-HP 3(3,0)
Preventive Health Care: PR: PCB 3070C. An established interdisciplinary approach to help people maintain health and prevent chronic diseases, stress, and addiction. Fall, Spring.

HSC 3406C HPA-HP 3(3,2)
CPR & First Aid: To train individuals to accept and recognize medical standards in emergency first aid and CPR to include medical, environmental and trauma related emergencies. Occasional.

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 3640 HPA-HP 3(3,0)
Health Law: PR: HSA 3111 or C.I. Principles of law as applied to the health field, with special reference to health practices. Fall, Spring.

HSC 4008 HPA-HP 3(3,0)
Professional Development in Health Professions: PR: RET 3028C or C.I. Career development planning, professional leadership approaches to problem solving, regulatory and professional requirements, and the impact of disease and technology on the health care industry. Spring.

HSC 4158 HPA-HP 3(3,0)
Medical Pharmacology I: PR: BSC 2010C and admission to Cardiopulmonary Sciences program, or C.I. General pharmacological principles such as regulations, prescriptions, routes of administration, drug action mechanisms, indications/contraindications, and the side effects of contemporary drug therapy. Fall.

HSC 4159 HPA-HP 2(2,0)
Medical Pharmacology II: PR: HSC 4158 or C.I. Drugs used in cardiovascular disorders. Includes inotropic, chronotropic agents, beta blocker drugs, calcium channel antagonists. Spring.

HSC 4201 HPA-HP 3(3,0)
Community Health: PR: HSA 3111 or C.I. Sociocultural and economic factors in community health; current community health problems; interface of governmental, voluntary and private agencies. Fall, Spring.
HUM 3320 CAH-PHIL 3(3,0) Contemporary Multicultural Studies: PR: HUM 2230, Junior standing, or C.I. Studies the confusions of diverse cultures making up North America in the Information Age, focusing on complex primary sources in philosophy, literature, visual arts and music. Even Fall.

HUM 3394 CAH-PHIL 3(3,0) Representations of Place and Space: PR: HUM 2230 or PHI 2108. An examination of the representation of place and space in literature, art, and film. Occasional.

HUM 3401 CAH-PHIL 3(3,0) Asian Humanities: PR: HUM 2230, Asian Studies minor, or C.I. An interdisciplinary survey of the cultures of India, China, and Japan, concentrating on their traditional art, literature, religion, philosophy, and music. Occasional.

HUM 3417 CAH-PHIL 3(3,0) Hindu Thought and Culture: PR: HUM 2230, REL 2300, or C.I. A survey of the development of Hindu thought and culture from vedic times to the modern age, with emphasis on religion, literature, philosophy, art and music. Occasional.

HUM 3419 CAH-PHIL 3(3,0) Islamic Thought and Culture: PR: HUM 2230, or REL 2300, or C.I. The development of Islamic thought and culture, concentrating on religion, jurisprudence, philosophy, science and art with special focus on perception of Islam in Western literature and scholarship. Occasional.

HUM 3419H CAH-PHIL 3(3,0) Honors Islamic Thought and Culture: PR: HUM 2230, or REL 2300, and Consent of Honors. The development of Islamic thought and culture, concentrating on religion, jurisprudence, philosophy, science and art with special focus on perception of Islam in Western literature and scholarship. With Honors consent. Occasional.

HUM 3423 CAH-PHIL 3(3,0) African Humanities: PR: HUM 2230, HUM 3320, or C.I. Contemporary art, culture, and philosophy in selected African countries. Occasional.

HUM 3431 CAH-PHIL 3(3,0) Ancient Humanities: PR: HUM 2230 or C.I. Development of Ancient Greek thought and culture with emphasis on philosophy, religion, literature and art. Occasional.

HUM 3425 CAH-PHIL 3(3,0) Medieval Humanities: PR: ENC 1102 or C.I. Development of Medieval thought and culture with emphasis on Philosophy, Religion, Literature and Art. Occasional.

HUM 3460 CAH-PHIL 3(3,0) Latin American Humanities: PR: HUM 2210 or HUM 2230. Ideas in cultures of the Americas and Caribbean basin as expressed in arts, architecture, music, philosophy, religion, literature and film. Occasional.

HUM 3552 CAH-PHIL 3(3,0) Christian Thought: PR: ENC 1102. Christian thought from 4th century to present, concentrating on the development of human nature, religious justification, the state, war, and attitudes toward women. Occasional.

HUM 3553 CAH-PHIL 3(3,0) Moses, Jesus and Muhammad: PR: HUM 2230, REL 2300, or C.I. Deals with the main themes of Judaism, Christianity, and Islam as found in the teachings of Moses, Jesus, and Muhammad. Occasional.

HUM 3600 CAH-PHIL 3(3,0) Research Methods in Humanities: PR: Junior standing, and Humanities or Philosophy major or C.I. Research skills for the humanities, including methodologies, writing techniques, essay structuring, formatting, and methods for citing references and constructing bibliographies. Occasional.

HUM 4301 CAH-PHIL 3(3,0) The Classical Ideal: PR: HUM 2210 or C.I. The search for order and form in the arts of various times and cultures. Concerns reason, structure, objectivity, harmony. Open to all Juniors and Seniors. Spring.

HUM 4303 CAH-PHIL 3(3,0) The Spiritual Ideal: PR: HUM 2210 and HUM 2230 or C.I. An examination of works of art reflecting spiritual insight or the spiritual quest, mystical impulses concerned to ethos and pathos. Odd Spring.

HUM 4330 CAH-PHIL 3(3,0) Performance Theory: PR: Junior standing and HUM 2230 and either PHI 2108, PHI 2109, or C.I. Theoretical and contemporary studies of performance with a focus on linguistic performatives, bodily and virtual performances, self-identity, and the politics of performance. Occasional.

HUM 4393 CAH-PHIL 1(1,0) Portfolio: PR: Last semester as Humanities major. Presentation of a representative sampling of student’s best undergraduate work, with appropriate revisions, including a cover narrative indicating development of humanistic knowledge and skills. Graded S/U. Fall, Spring.

HUM 4554 CAH-PHIL 3(3,0) Religious Quest and Human Dilemma: PR: ENC 1102 or C.I. Nature of the sacred, death, and future life and how they relate to human existence. Even Fall.

HUM 4556 CAH-PHIL 3(3,0) Religion and the Arts: PR: One of: HUM 2210, HUM 2230, ARH 2500, ARH 2501, or REL 2300. Art, music, dance, poetry, religion and art in their various traditions, with emphasis on the contemporary. Occasional.

HUM 4823 CAH-PHIL 3(3,0) Queer Theory in the Humanities: PR: HUM 2210 and HUM 2230 and Junior standing or C.I. Developments in queer theory: Challenge to research by scholars, activists, performers, and visual artists. Occasional.

HUM 4933 CAH-PHIL 3(3,0) Senior Research seminar: PR: Senior standing and Humanities major. Capstone course on research, developing effective oral and written communication skills. Occasional.

HUM 5002 CAH-PHIL 3(3,0) Applied Contemporary Humanities: PR: HUM 5003, graduate status or senior standing, or C.I. Development of an application research project relevant to contemporary cultural issues, using Humanities theories and methods. Occasional.

HUM 5003 CAH-PHIL 3(3,0) Theories and Methods of the Humanities: PR: Senior undergraduate standing and at least one of the following: HUM 3525, HUM 3320, or PHI 4808 or graduate standing. Approaches, concepts, methods, and theoretical issues in the Humanities with an emphasis on critical analysis of diverse disciplinary and interdisciplinary theories and methods. Fall

HUM 2002 HPA-HP 3(3,0) Modern Concepts in Nutrition: An examination of the eating patterns of today’s American people. Topics include: nutrients in our diets, consumer demand in the food industry, fast food outlets, food trends and hunger. Fall, Spring.

HUM 3011 CON-NURS 3(3,0) Human Nutrition: Essentials of nutrition related to the life cycle, including the physiological, psychosocial, and cultural aspects of nutrition and the inter-relationship with disease are emphasized. Fall, Spring.


HUM 5247 HPA-HP 3(3,0) Principles of Human Nutrition: PR: Admission to Health Sciences MS Clinical and Lifestyle Sciences track or C.I. Course promotes in-depth understanding of the role of macro nutrients in human nutrition and health enabling graduates to integrate knowledge into other aspects of their work. Occasional.

UCF Courses and Descriptions
IDH 1920H  BH-COM  2(2,1)

IDH 1921H  BH-COM  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.

IDH 1923H  BH-COM  2(2,1)
Honors Roundtables of Leadership: Pr: Permission of Honors. An honors symposium that presents academic leaders and their research or artistic achieve-
ments. Students are organized in groups to discuss leader-

IDH 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 interdisciplinary problems and will partici-
pare in team debates. With Honors content. Fall.

IDH 4030H  BH-COM  1(3,0)
Honors Windows To the World: Pr: Permission of Honors and IDH 2121H, enrolled in Accelerated Pre-med Program; or C.I. Students will cultivate an active sense of the liberal arts in preparing themselves for prestigious scholarships and graduate school. Graded S/U. May be repeated for credit. Occasional.

IDS 1040C  COS-COM  2(1,1)
Foundations of Leadership: Pr: LEAD Scholars Program. Seminar for LEAD Scholars in the College of Arts & Sciences providing a foundation of leadership, scholar-
ship, and service regarding disciplines in the college. Fall, Spring.

IDS 2042C  COS-COS  2(1,1)
LEAD Colloquium: Pr: Must have completed 2 of the following with a grade of B or better: IDS 1040C, GEB 1091C, HSC 191EC, EGN 1039C, EGG 1005, or EDF 1930C. Experiential leadership in an appropriate setting with the LEAD Scholars Program. Occasional.

IDS 3150  UGST-INTERDISC  3(3,0)
Foundations of Environmental Studies: Pr: Junior standing, completion of equivalent of UCF Science and Math GEP. An overview of the approaches taken by dif-
ferent disciplines to address regional, national, and global environ-
mental issues. Spring.

IDS 3180  HPA-PUB  3(3,0)
Civic Engagement: Pr: Junior standing and either PAD 2003 or POS 2043 or C.I. Formal and informal civic engagement in the United States across levels of govern-
ment, sectors of society, and modes of interaction. Even Fall, Even Spring.

IDS 3333  UGST-INTERDISC  3(3,0)
World Comparative Studies: Pr: ENC 1102 or C.I. Comparative study of cultures, economics, languages, and social systems using approaches and data from multiple disciplines. Occasional.

IDS 3334  CAH-HIST  3(3,0)
Topics in Latin Studies: Pr: ENC 1102. Multi-
disciplinary course exploring various topics pertaining to Latinos in the U.S. 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 dis-
parate fields and apply them to academic plans and career goals. Fall, Spring.

IDS 4156  UGST-INTERDISC  3(3,0)
Solving Environmental Problems: Pr: IDS 3150, ECP 4030, GIS 3045C, GIS 4030C and PUB 3203, or C.I. Capstone course in Environmental Studies focusing on how environmental dilemmas are addressed. Occasional.

IDS 4204C  ECS-ECS  3(2,2)
Advanced Topics on Energy and Sustainability: Pr: Permission of C.I. Theoretical, senior standing and Completion of GEP or C.I. Contemporary topics in energy and sustain-
ability. 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. Fall.

IDS 4315  COS-POLS  3(3,0)
Global Perspectives of Education: Pr: Completion of general education requirements and junior standing or C.I. The historical and
contemporary contexts of globalization. Spring.

IDS 4335  CAH-CAH  3(3,0)
Latino Artistic Expressions: Pr: IDS 3334 or C.I. Latino culture as represented by the Arts in the United States. Odd Spring.

IDS 4935  UGST-INTERDISC  3(3,0)
Capstone Experience: Pr: IDS 3935, Junior standing, and Interdisciplinary Studies major, or C.I. Student exposition of coursework demonstrating the understanding of interdisciplinary approaches and successful synthesis of interdisciplinary studies, applied to the course of study and academic/career goals. Fall, Spring. M&S fee: $17.00.

IDS 5127  COM-MMH  3(3,0)
Foundation of Bio-Imaging Science: Pr: Graduate standing. Fundamental theory, design, and prac-
tice of modern bio-imaging techniques used for basic biomedical research applications. Occasional.

IDS 5145  ECS-EMR  3(3,2)
Interdisciplinary Quantitative Modeling & Simulation: Pr: Calculus, matrix algebra, probability and statistics, high level programming language. An interdisciplinary course on simulation with hands-on experience in discrete event modeling, continuous modeling and shared virtual world. May be repeated for credit. Occasional.

IDS 5717C  COS-PSYCH  3(2,2)
Introduction to Modeling and Simulation: Pr: STA 2023 or equivalent. Introduction to the theory and practice of modeling and simulation with emphasis on multidisciplinary science underpinnings. Fall.

IDS 5719  COS-PSYCH  3(3,0)
Quantitative Aspects of Modeling and Simulation: Pr: MAC 2421 or equivalent. Introduction to matrix algebra and other discrete mathematics topics for modeling and simulation applications. Spring.

IDS 5915  CAH-PHL  3(3,0)

IDS 5936  CAH-PHL  3(3,0)
Topics in Cognitive Sciences: Pr: Admission to graduate certificate in Cognitive Sciences or C.I. Theoretical issues and empirical studies in the cognitive sciences, including contemporary discussions of mind, brain, artificial intelligence, pathologies, and behavioral capacities. Fall.

INP 3004  COS-PSYCH  3(3,0)
Industrial/Organizational Psychology: Pr: PSY 2012 or C.I. Psychological principles applicable to problems in industrial organizations. Fall.

INP 3004H  COS-PSYCH  3(3,0)

INP 3142C  COS-PSYCH  1-3(0,3)
Advanced Applied Psychology: Pr: PSY 2012 and C.I. Course will explore application of psychological knowledge to clinical, experimental, industrial, or education-
al settings. Supervised laboratory experience is required. Graded S/U. May be repeated for credit. Fall, Spring.

INP 3951  COS-PSYCH  3(0,10)
Industrial/Organizational Field Work: Pr: C.I. An opportunity for advanced undergraduate psychology majors to become involved in the application of I/O psychol-
ogy to local organizations. Occasional.

INP 4252  COS-PSYCH  3(3,0)
Advanced Industrial Psychology: Pr: INP 3004 and PSY 3213C. Application of psychological principles to industrial problems. Topics include selection, training, performance appraisal, job design, and work environment. Occasional.

INP 4313  COS-PSYCH  3(3,0)
Organizational Psychology: Pr: INP 3004. Analysis of the psychological principles underlying individ-
ual and group behavior in an organizational setting. Topics include group dynamics, leadership and participation, inter-
group behavior, and organization development. Occasional.

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 stand-
ing or C.I. Interdisciplinary approach to human-computer interaction design, including behavioral, computer science, and instruction 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: 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 interaction to gender issues and environmental challenges. Occasional.

INR 3250  COS-POLS  3(3,0)

INR 3253  COS-POLS  3(3,0)
International Politics of Africa: Pr: Junior stand-
ing or C.I. The broad structures and processes of interna-
tional politics and foreign policy in Africa, with particular attention on U.S.- African relations. Occasional.

INR 4011  COS-POLS  3(3,0)
Politics of Globalization: Pr: INR 2002 or POS 2041 or C.I. Major political causes and consequences of globalization. Occasional.

INR 4030  COS-POLS  3(3,0)
Diplomacy: Pr: POS 2041, Junior standing or C.I. Concepts, theories, and methods of contemporary diplo-
macy; diplomatic processes in the international arena. Spring.

INR 4030H  COS-POLS  3(3,0)

INR 4035  COS-POLS  3(3,0)
International Political Economy: The interna-
tional politics of regional and global economic interde-
dence, 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: POS 2041 or INR 2002 or C.I. International dimensions of global energy security within developed and underdeveloped coun-
tries. Occasional.

INR 4060  COS-POLS  3(3,0)
Causes of War: Pr: POS 2041 or INR 2002 or C.I. The primary theoretical and empirical research explaining militarized interstate conflict. Fall.
ISM 3530 BA-MIS 3(3,0) Quality & Productivity Management: PR: GEB 3033, ITN 3025C. Open to MIS Majors and Minors and students whose major requires it. Principles and theories of quality and operations management in manufacturing and service organizations. Fall, Spring.

ISM 4090 BA-MIS 3(3,0) Seminar in Management Information Systems: PR: ISM 3011C. Open to MIS Majors and Minors and students whose major requires it. New developments in management information systems in a business environment. Occasional.

ISM 4113 BA-MIS 3(3,0) Information Systems Analysis and Design: PR: ITW 3023, ISM 4212C. Open to MIS Majors and Minors and students whose major requires it. Structured approaches to the development of computer-based information systems in business. Fall, Spring.

ISM 4114 BA-MIS 3(3,0) Advanced Business Application Development: PR: ISM 3253, ISM 4212C. Open to MIS Majors and Minors and students whose major requires it. Theory and practice in developing client server applications for business and use of modern development tools. Includes principles of multilayer application design and implementation. Occasional.

ISM 4130 BA-MIS 3(3,0) Information Systems Implementation: PR: ISM 4113. Open to MIS Majors and Minors and students whose major requires it. Management of information systems development in business. Fall, Spring.

ISM 4153C BA-MIS 3(2,1) Enterprise Information Systems: PR: ISM 3011C. Open to MIS majors and minors and other appropriate majors. Implementing and managing enterprise information systems in organizations. Fall, Spring.

ISM 4154 BA-MIS 3(3,0) Enterprise Application Development: PR: ISM 3011C. Open to MIS Majors and Minors and other appropriate majors. Design and development of enterprise applications with special emphasis on web based development platforms. Occasional.

ISM 4212C BA-MIS 4(3,0) Database Design and Implementation: PR: ISM 3253, ISM 4212C. Open to MIS Majors and Minors and students whose major requires it. Design and implementation of relational database in organizations. Fall, Spring.

ISM 4220 BA-MIS 3(3,0) Distributed Information Systems: PR: ISM 3253, ISM 3011C. Open to MIS Majors and Minors and students whose major requires it. Computer networking and communications. Management of client server and other modes of distributed and decentralized computing in business. Fall, Spring.

ISM 4228 BA-MIS 3(3,0) Advanced Distributed Information Systems: PR: ISM 4220. Open to MIS Majors and Minors and other appropriate majors. Provides students with in-depth, hands-on experience with networking hardware and software. Teamwork is emphasized in mastering networking concepts. Occasional.

ISM 4238 BA-MIS 3(3,0) Business Programming/OOP: PR: ISM 3253, ISM 4212C, C.I. Open to MIS Majors and Minors and students whose major requires it. An introduction to object-oriented programming (OOP) and object-oriented design (OOD). Occasional.

ISM 4300 BA-MIS 3(3,0) Information Technology Management: PR: ISM 4212C. Open to MIS Majors and Minors and other appropriate majors. The strategy and theory of the design, development, adoption, and management of new information technology. Fall, Spring.

ISM 4314 BA-MIS 3(3,0) Business Project Management: PR: ISM 3011C. Foundations of project management in commercial organizations. Covers all project phases from initiation to termination. Occasional.

ISM 4323 BA-MIS 3(3,0) Information Systems Security: PR: ISM 4220. Open to MIS Majors and Minors and students whose major requires it. Primary issues related to information systems security in an organization's IT infrastructure. Occasional.

ISM 4400 BA-MIS 3(3,0) Decision Support: PR: ISM 3011C. Open to MIS Majors and Minors and students whose major requires it. Computer-based modeling and decision support systems in organizations. Fall, Spring.

ISM 4431 BA-MIS 3(3,0) Business Process Analysis: PR: ISM 4153C. Open to MIS majors and minors and other appropriate majors. Analysis of business processes surrounding Supply Chain management. Focus on enterprise resource planning technology supports SCM by integrating the business process required for success. Fall, Spring.


ISM 4941 BA-MIS 3(3,0) Internship in MIS: PR: ISM 3253, ISM 4212C, and 3011C, consent of department chair. Provides student with supervised, management information system-related work experience in a sponsoring organization. See department for information. Fall, Spring.

ISM 5021 BA-MIS 3(3,0) Introduction to Management Information Systems: PR: Acceptance into the graduate program. Designed to provide the student with the fundamentals of business data processing and management information systems used by organizations in a modern society. Occasional.

ISM 5123 BA-MIS 3(3,0) Concepts of Systems Analysis and Design: PR: Graduate standing. Using a traditional life-cycle approach, the course introduces practical tools and techniques for organizational analysis and the subsequent design of an information system. Occasional.

ISM 5127 BA-MIS 3(3,0) Concepts of Database Design and Administration: PR: Graduate standing. Introduces concepts and methodologies related to the effective utilization of data by organizations. Occasional.

ISM 5219 BA-MIS 3(3,0) Business Intelligence Systems: PR: Graduate standing. Modern paradigms in data analysis. The detection of useful patterns and relationships in databases. Occasional.

ISM 5256 BA-MIS 3(3,0) Concepts of Business Programming: PR: Senior or admission to graduate study. Principles of programming including program design, fundamental programming constructs, and database access. Occasional.

ISM 5315 BA-MIS 3(3,0) Information Systems Project Management: PR: Graduate standing. This course introduces students to the concept of project management including project scope, cost, time and quality. Occasional.

ISM 5507 BA-MIS 3(3,0) Electronic Agorae: PR: Admission to graduate study. Broad exploration of internet tools as vehicles for communication, interaction, decision-making, and community formation. Occasional.

ISS 4155 COS-COMM 3(3,0) Science Fiction and the Social Sciences: A multimedia examination of note-worthy science fiction from the Social Science perspective. Occasional.

ITA 1120C CAH-LANG 4(3,1) Elementary Italian Language and Civilization I: PR: ITA 1121C or equivalent. Continuation of ITA 1120C. Fall, Spring.

ITA 2200 CAH-LANG 3(3,0) Intermediate Italian Language and Civilization I: PR: ITA 1121C or equivalent. Designed to continue development of language skills at intermediate level, plus a review of grammar, study of dialogues, intensive reading, 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. Spring.

ITA 2210 CAH-LANG 3(3,0) Intensive Italian Conversation: PR: One year of Italian or equivalent. Practical use of the language leading toward fluency and correctness in speaking. Occasional.

ITA 2240 CAH-LANG 3(3,0) Italian Conversation: PR: ITA 2201 or equivalent. Development of skills in conversation and comprehension with an introduction to Italian culture. 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) Italian for Business: PR: ITA 2200. Italian language for business purposes. Occasional.

ITA 3472 CAH-LANG 3(3,0) Renaissance Art Abroad: PR: Junior standing. A study of Renaissance art from Giotto to Michelangelo. Occasional.

ITA 3760 CAH-LANG 3(3,0) Advanced Italian Oral Communication: PR: ITA 2201 or equivalent. Vocabulary building with systematic training in diction and pronunciation. Speeches and oral presentations as well as production and delivery of real-life dialogues. Fall.

ITA 4820 CAH-LANG 3(3,0) Italian Syntax Abroad: PR: ITA 3420. A study of Italian Syntax for advanced students of Italian. Occasional.


ITT 3489 CAH-LANG 3(3,0) Study Abroad: Italian Literature in Translation: PR: C.I. Main literary tendencies and authors of Italian literature, taught in the native environment. 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 2100 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 to the present. Occasional.

ITT 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. M/A fee: $15.00
JST 3701 CAH-JUD 3(3,0) History of the Holocaust: A comprehensive study of the Holocaust from 1933-1945, discussing the persecution of German Jews and the annihilation of the Jews in Europe. Occasional.

JST 3751 CAH-JUD 3(3,0) Literature of the Holocaust: A study of the traumatic experience of the Holocaust in Europe as expressed and depicted in contemporary Jewish and Hebrew literature. Occasional.

JST 3803 CAH-JUD 3(3,0) The Israeli Experience in Short Stories: PR: ENC 1102. The Israeli experience in contemporary short stories. Themes include Judaism - Past & Present, War & Peace, Society; the Holocaust, the Kibbutz and Israeli reality. Occasional.

JST 3810 CAH-JUD 3(3,0) The Jewish National Movement and Roots of Zionism: Roots of Zionism and Jewish nationalism and their relationship to modern anti-Semitism, through analysis of European Jewish history and society. Occasional.

JST 3820 CAH-JUD 3(3,0) Modern Hebrew Culture: The Development of the State of Israel: Political and ideological struggle for the establishment of the State of Israel, with emphasis on forces which have shaped the contemporary Israeli society and politics. Occasional.

LAE 3414 ED-TLP 3(3,0) Literature for Children: PR: Admission to Undergraduate Elementary Education Program or C.I. Criteria for analysis and evaluation of children's literature in terms of interests, needs, and abilities of children. Fall, Spring.

LAE 3414 ED-TLP 3(3,0) Language Arts in the Elementary School: PR: EDG 4410 or C.I. Content, principles, materials, and techniques involved in teaching, speaking, listening, writing, and spelling in the elementary school; organizing for instruction. Fall, Spring.

LAE 4342 ED-TLP 3(3,0) Programs in Teaching Language and Composition: PR: EDG 4410, CR: LAE 4360 and LAE 3940. Special programs, strategies and materials for middle and secondary English Language Arts majors. Emphasis on individual needs of students. Fall.

LAE 4360 ED-TLP 3(3,0) English Instructional Analysis: PR: EDG 4410, EDJ 4467, ESL 4086, and LAE 4464. CR: LAE 4342 and LAE 3940. Course objectives for a school curriculum and methods and materials which have special application for teaching English at the middle grades and high school. Fall, Spring.

LAE 4361 ED-TLP 3(3,0) Literacy Strategies for Middle and High School: PR: EDG 4232 or EVT 3365 or C.I. Theory, teaching strategies, and resources for effective middle and high school reading programs, to assist pre-service teachers to understand content reading. Fall, Odd Spring.

LAE 4464 ED-TLP 3(3,0) Survey of Adolescent Literature: PR: ENC 1101 and admission to the college. This course is designed to explore adolescent/young adult literature from an educational and historical perspective. Spring.

LAE 5195 ED-TLP 3(3,0) CFWP Teacher Consultant; PR: C.I. This course is designed for Fellows of the CFWP Summer Institute who will plan, practice, and present writing in-service components to public schools. Occasional.

LAE 5295 ED-TLP 1-3(1-3,0) Writing Workshop: PR: C.I. Students will engage in exploration and practice of effective writing strategies. (May be repeated up to 3 semester hours.) May be repeated for credit. Occasional.

LAE 5319 ED-TLP 3(3,0) Methods of Elementary School Language Arts: PR: EDG 4323. Principles, procedures, organization and current practices in reading, writing, listening, and talking. Fall.

LAE 5337 ED-TLP 3(3,0) Literacy Strategies for Middle and Secondary School Teachers: PR: EDG 5236 or C.I. Designed to assist teachers and graduate students in understanding the adolescent learner. This course will examine theory, strategies, research, resources and implementation options for effective middle and secondary literacy programs. Occasional.

LAE 5338 ED-TLP 3(3,0) Teaching Writing in Middle and High School: PR: EDG 5236 or C.I. Techniques and methods in teaching dialects, semantics, and the various grammar within the context of writing. Fall, Spring.

LAE 5346 ED-TLP 3(3,0) Methods of Teaching English Language Arts: PR: EDG 5236 or C.I. Designing for alternative certification and Masters of Arts students to explore the strands, methods and materials related to school curriculum in teaching English. Fall, Spring.

LAE 5367 CAH-ENG 3(3,0) English Composition and Literature for Teachers of Advanced Placement: PR: Graduate status or senior standing, and C.I. A two-week summer institute for secondary school teachers preparing to teach advanced placement courses. Occasional.

LAE 5415 ED-TLP 3(3,0) Children's Literature in Elementary Education: Survey of children's literature: criteria for selection according to literary elements and child development needs. Methods for presenting to children; integrating literature with elementary curricula. Spring.

LAE 5465 ED-TLP 3(3,0) Literature for Adolescents: PR: Senior standing or C.I. Selecting and evaluating books for adolescents with emphasis on the use of literature in the development of young people. Spring.

LAE 5495 ED-TLP 3(3,0) Assessing Writing: PR: C.I. Students will explore a variety of strategies for assessing students' writing including holistic scoring, primary trait scoring, and portfolio assessment. Spring.


LAE 3400 CAH-HIST 3(3,0) History of Mexico and Central America: PR: EUH 2000 and 2001 or C.I. A survey of Mexican and Central American history from Pre-Columbian times to the present. Occasional.

LAE 3470 CAH-HIST 3(3,0) History of the Caribbean: PR: EUH 2000 and 2001 or C.I. History of Cuba, Puerto Rico, Dominican Republic, and Haiti from Pre-Columbian times to the present. Occasional.

LAE 4136 CAH-HIST 3(3,0) Colonial Florida: PR: AMH 2010 and AMH 2020 or C.I. History of Spanish Colonial Florida until 1821. Odd Fall.


LAE 4742 CAH-HIST 3(3,0) The Mexican Revolution: PR: AMH 2020 or C.I. Political and social history of Mexico since 1910 and domination of one party rule over 70 years. Occasional.

LAH 5713 CAH-HIST 3(3,0) Colloquium in U.S.-Latin American Relations: PR: Graduate status or senior standing or C.I. The course will analyze U.S.-Latin American relations from an historical perspective. It will be presented through readings and discussion of selected materials. Occasional.

LAS 3101 CAH-LAS 3(3,0) Latin American Popular Culture: PR: SPN 1120C and SPN 2121C. Examinined folklore and digital media of Latin American culture with a special focus on Mexico, Puerto Rico, and Peru. Occasional.

LAS 4023 CAH-AAS 3(3,0) African Caribbean Experience: PR: Senior standing or C.I. Interdisciplinary study of the evolution of African Caribbean culture, its influence on institutions, social and political movements, and contemporary Caribbean society. Occasional.

LAT 1120C CAH-LANG 4(3,1) Elementary Latin Language and Civilization I: PR: Undergraduate Elementary Education Program or C.I. The course introduces students to Latin culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. Fall.

LAT 1120H CAH-LANG 4(4,1) Honors Elementary Latin Language and Civilization I: PR: Permission of Honors. Introduces the student to Latin culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language, with honors-level content. Occasional.

LAT 1121 CAH-LANG 4(3,0) Elementary Latin Language and Civilization II: PR: LAT 1120C or equivalent. Continuation of LAT 1120C. Spring.


LDR 2001 UGST-INTERDISC 2(2,0) Foundations of Leadership: PR: Student enrolled in LEAD Scholars, Leadership Studies minor or certificate. Introducyory study into the foundations of leadership, including leadership theories and related principles and practices. Fall.


LDR 2262 UGST-INTERDISC 10(0,1) Focused Volunteer Community Service: Students will engage in volunteer experiences and reflect upon the value of those experiences. Graded S/U. Fall, Spring.

LIN 3010 CAH-ENG 3(3,0) Principles of Linguistics: PR: Grade of C (2.0) or better required in ENC 1102. An overview of the modern linguist's approach to language. Analytic methods of phonology, morphology, syntax. Brief systematic survey of dialectology, language acquisition, and semantics. Occasional.

LIN 3673 CAH-ENG 3(3,0) Grammar & Advanced Prose Style: PR: ENC 1102. Build on fundamental principles of grammatical correctness by learning and practicing the techniques that textbook expert writers use to increase sentence clarity and elegance. Occasional.

LIN 3713 HPA-COM SC&DIS 3(3,0) Language Science: PR: or CR: SPA 3471. Language components, models of language production and comprehension, and theories of language development. Fall, Spring.

LIN 3714 HPA-COM SC&DIS 3(3,0) Language Development: PR: LIN 3713; CR: LIN 3716L. Spoken and written language development from infancy to adulthood. Fall, Spring.
LIT 5309 CAH-ENG 3(3,0)
Popular Culture and Media: PR: Graduate status or senior standing or C.I. Study of contemporary media and the literature of popular culture. Occasional.

LIT 5366 CAH-ENG 3(3,0)
The Romantic Revolt (19th Century Literature): PR: Graduate status or senior standing or C.I. The romantic revolt in poetry and prose; English, American, and Continental literature from 1798 to 1832. Occasional.

LIT 5387 CAH-ENG 3(3,0)
Captives, Housewives, and Coquettes: LIT 5387 CAH-ENG 3(3,0) American and Continental literature from 1798 to 1832. PR: Graduate status or senior standing or C.I. Course considers early American women's literature from 17th to 19th centuries. Occasional.

LIT 5389 CAH-ENG 3(3,0)
Studies in Gender and Fiction Writing: PR: Graduate status or senior standing or C.I. Graduate study of gender's implications for teaching and practice of fiction writing. Occasional.

LIT 5556 CAH-ENG 3(3,0)
Advanced Feminist Theories: PR: Graduate status or senior standing or C.I. Graduate level Feminist Theories from "French Feminism" to "Critical Race Theories". Occasional.

MAC 2242 COS-MATH 4(4,0)

MAC 2247 COS-MATH 3(3,0)
Advanced Calculus II: PR: MAC 2246 or C.I. Continuation of MAC 2246. Spring.

MAC 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, and uniform convergence. Fall, Spring.

MAC 5228 COS-MATH 3(3,0)
Analysis I: PR: MAS 3106 or C.I. Real numbers, limits, differentiation, Riemann integrals, Riemann-Stieltjes integrals, metric spaces, uniform convergence, and inverse and implicit function theorems. Fall, Spring.

MAC 5253 COS-MATH 3(3,0)
Applied Calculus I: PR: Appropriate score on the UCF Math Placement Exam, or MAC 1140 with a C (2.0) or better, or C.I. The differential and integral calculus of rational, exponential and logarithmic functions, with applications to business analysis. Not open to students with credit in MAC 2253 or MAC 2311. The "NC" grading policy applies to this course. Occasional.

MAC 2233 COS-MATH 3(3,0)
Concepts of Calculus: PR: Appropriate score on the UCF Math Placement Exam, or MAC 1140 with a C (2.0) or better, or C.I. The differential and integral calculus of rational, exponential and logarithmic functions, with applications to business analysis. Not open to students with credit in MAC 2253 or MAC 2311. The "NC" grading policy applies to this course. Even Fall, Spring.

MAC 2311 COS-MATH 4(4,0)
Calculus with Analytic Geometry I: PR: Appropriate score on the UCF Math Placement Exam, or MAC 1140 or a C (2.0) and MAC 1141 with a C (2.0) or better, or C.I. Continuation of MAA 4226. Fall, Spring.

MAC 2312 COS-MATH 4(4,0)
Calculus with Analytic Geometry II: PR: MAC 2311 or C.I. Differentiation and integration of exponential, logarithmic, inverse trigonometric functions; techniques of integration; further applications of integration; parametric equations, polar coordinates; infinite sequences and series. Fall, Spring.

MAC 2311H COS-MATH 4(4,0)
Honors Calculus with Analytic Geometry I: PR: MAC 1140 or MAC 1141 or C.I. Honors Calculus with Analytic Geometry I. Fall, Spring.

MAC 2312H COS-MATH 4(4,0)
Honors Calculus with Analytic Geometry II: PR: Permission of Honors. Differential and integral calculus of exponential, logarithmic, 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(4,0)
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(4,0)
Calculus with Analytic Geometry III (Honors): PR: 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. Fall, Spring.

MAC 3103H COS-MATH 3(3,0)
Systems Modeling and Simulation: PR: MAC 2312, and either C.I. or score of 4 or 5 on the Calculus BC Advanced Placement Exam. Fall, Spring.

MAE 2801 ED-TLP 4(3,1)
Elementary School Mathematics: PR: MAC 1105 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 systems, and geometry. Fall, Spring.

MAE 3400 ED-CFL 3(3,0)

MAE 4326 ED-TLP 3(3,0)
How Children Learn Mathematics: PR: MAE 2801 or C.I., and admission to Phase II. Instructional strategies, learning activities, the use of manipulatives, lesson planning, evaluation of mathematical learning, and diagnostic techniques. Fall, Spring. M&S fee: $10.00

MAE 4360 ED-TLP 4(3,2)
Mathematics Instructional Analysis: PR: EDG 4323. Study of course objectives for the middle grades and high school curriculum and survey of methods and materials which have special application for teaching mathematics. Fall.

MAE 4634 ED-TLP 3(2,1)

MAE 5327 ED-TLP 3(3,0)
Teaching Middle School Mathematics: PR: EDG 6226 or C.I. Students will develop skills in planning and delivering mathematics instruction in grades 5-9. The use of technology, cooperative learning, ESOL, and manipulatives is considered. Occasional.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Prerequisites</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAE 5336</td>
<td>ED-TLP</td>
<td>3(0)</td>
<td></td>
</tr>
<tr>
<td>COS-MATH</td>
<td>5935</td>
<td>Post-Secondary Mathematics: PR: Graduate status or C.I. This 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.</td>
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</tr>
<tr>
<td>MAN 2021</td>
<td>BA-MAN</td>
<td>3(0) Management: PR: Junior standing. For non-business majors or C.I. The course will focus on issues related to the design and administration of pay systems in large and small organizations. Fall, Odd Spring.</td>
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</tr>
<tr>
<td>MAN 3025</td>
<td>BA-MAN</td>
<td>4(0) Management of Organizations: PR: Junior standing and approved major or minor. Introduction to the theory and practice of managing formal organizations, including planning, organization, human behavior and control. Fall, Spring.</td>
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</tr>
<tr>
<td>MAN 3025H</td>
<td>BA-MAN</td>
<td>4(0) Honors Management of Organizations: PR: Junior standing and approved major or minor; MAN 3301. This course will focus on issues related to the theory and practice of managing formal organizations, including planning, organization, human behavior and control. Applicable to all students of management. Fall, Odd Spring.</td>
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</tr>
<tr>
<td>MAN 3030</td>
<td>BA-MAN</td>
<td>3(0) Management of Human Resources: PR: Junior standing and approved major or minor; MAN 3305. Provides students with a complete, comprehensive review of essential human resource management concepts and techniques. Applicable to all students of management. Fall, Spring.</td>
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<tr>
<td>MAN 3354</td>
<td>BA-MAN</td>
<td>3(0) Employee Training for Non-Business Majors: PR: MAN 3025. Employee training needs and practices as performed by supervisors and managers under the direction of organizational specialists. Designed for non-business majors. Occasional.</td>
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</tr>
<tr>
<td>MAN 4101</td>
<td>BA-MAN</td>
<td>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.</td>
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<tr>
<td>MAN 4240</td>
<td>BA-MAN</td>
<td>3(0) Organizations: Theory and Behavior: PR: Management major. MAN 3025. A course providing a micro/macroph approach to the study of organizations by integrating organizational theory and organizational behavioral science concepts. Fall, Spring.</td>
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<tr>
<td>MAN 4310</td>
<td>BA-MAN</td>
<td>3(0) Human Resource Management Issues: PR: Management major, Junior standing, MAN 3301. An application-oriented course to give students in the area experiences generally reserved for practitioners in the field of human resource management and labor relations. Odd Spring.</td>
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</tr>
<tr>
<td>MAN 4320</td>
<td>BA-MAN</td>
<td>3(0) Human Resources Recruitment and Selection: PR: Management major, MAN 3301. A concentrated investigation of the methods appropriate to the development, implementation and administration of the staffing process in contemporary organizations. Fall, Spring.</td>
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<tr>
<td>MAN 4330</td>
<td>BA-MAN</td>
<td>3(0) Compensation Administration: PR: Management major or C.I. The course focuses on training and development activities as performed by organizational specialists. Theory, issues, practices and problems are discussed. Fall, Spring.</td>
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<tr>
<td>MAN 4350</td>
<td>BA-MAN</td>
<td>3(0) Training and Development: PR: Management major, Junior standing, MAN 3301. This course focuses on training and development activities as applied for human resource management practices and other management activities in work organizations. Occasional.</td>
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<tr>
<td>MAN 4351</td>
<td>BA-MAN</td>
<td>3(0) Labor Relations: PR: Management major, Junior standing, MAN 3301. This course focuses on the development of managerial approaches to achieve labor-management cooperation. Occasional.</td>
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<tr>
<td>MAN 4441</td>
<td>BA-MAN</td>
<td>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.</td>
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<tr>
<td>MAP 2302</td>
<td>COS-MATH</td>
<td>3(0) Differential Equations: PR: Grade of &quot;C&quot; (2.0) or better in MAC 2312, or C.I. Methods of solution for first order equations. Linear equations. Laplace transforms. Series solutions. Selected applications. Fall, Spring.</td>
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<tr>
<td>MAP 4301</td>
<td>ECS-ENT</td>
<td>3(0) Problem Analysis: PR: MAC 2311 or MAC 2233 or equivalent. Application of calculus techniques used in solving selected problems in Engineering Technology. Fall, Spring.</td>
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<tr>
<td>MAP 4392</td>
<td>COS-MATH</td>
<td>1(0) Random Processes and Applications I: PR: MAC 2313. Elementary probabilistic theory, random variables, probability, characteristics of random variables, and distributions. Fall.</td>
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<tr>
<td>MAP 4701</td>
<td>BA-MAN</td>
<td>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.</td>
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<tr>
<td>MAP 4720</td>
<td>BA-MAN</td>
<td>4(0) Strategic Management: PR: MAN 3025, MAN 3202, FIN 3403C and GEB 3011. 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.</td>
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<tr>
<td>MAP 4720H</td>
<td>BA-MAN</td>
<td>4(0) Honors Strategic Management: PR: Permission of Honors and Graduate semester. Capstone course integrates and applies management theories, and frameworks to modern organizational planning problems, opportunities. Honors content. Occasional.</td>
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<tr>
<td>MAP 4802</td>
<td>BA-MAN</td>
<td>3(0) Entrepreneurship: PR: GEB 3023 or (MAN 3025 and MAC 3023). Study of entrepreneurship with emphasis on innovation, feasibility, planning, product and service concepts, and organizing financing and developing a new venture. Fall, Spring.</td>
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<tr>
<td>MAP 4804</td>
<td>BA-MAN</td>
<td>3(0) Small Business Consulting: PR: 3.0 GPA and Business major in graduation term or C.I. Students are assigned teams and work with a local small business. Occasional.</td>
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<tr>
<td>MAP 4941</td>
<td>BA-MAN</td>
<td>3(0) Management Internship: PR: Management major, application approval, consent of department chair. Provides students with supervised, management-related work experience in a sponsoring organization. See department for information and application required. May be repeated for credit. Occasional.</td>
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<tr>
<td>MAP 5021</td>
<td>BA-MAN</td>
<td>1.5(1,5) 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.</td>
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<tr>
<td>MAN 5867</td>
<td>BA-MAN</td>
<td>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.</td>
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<tr>
<td>MAP 4301</td>
<td>ECS-ENT</td>
<td>3(0) Problem Analysis: PR: MAC 2311 or MAC 2233 or equivalent. Application of calculus techniques used in solving selected problems in Engineering Technology. Fall, Spring.</td>
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<tr>
<td>MAP 4393</td>
<td>COS-MATH</td>
<td>1(0) Financial Mathematics: PR: MAC 2311 or MAC 2233 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.</td>
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<tr>
<td>MAP 4397</td>
<td>COS-MATH</td>
<td>1(0) Techniques of Problem Solving: PR: MAC 2311 or MAC 2233 or C.I. An overview of model construction. Model fitting, optimization models, empirical construction and modeling dynamic behavior. Spring.</td>
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<tr>
<td>MAP 4411</td>
<td>COS-MATH</td>
<td>3(0) Probability, Random Processes and Applications I: PR: MAC 2313. Elementary probabilistic theory, random variables, probability, characteristics of random variables, and distributions. Fall.</td>
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<tr>
<td>MAP 4413</td>
<td>COS-MATH</td>
<td>3(0) Probability, Random Processes and Applications II: PR: MAC 2313. Elementary probabilistic theory, random variables, probability, characteristics of random variables, and distributions. Occasional.</td>
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<tr>
<td>MAP 4453</td>
<td>COS-MATH</td>
<td>3(0) Vector and Tensor Analysis: PR: MAC 2313 or C.I. Vector calculus. The theorems of Green, Gauss and Stokes. Introduction to tensors. Application in engineering and physical sciences. Fall.</td>
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<tr>
<td>MAP 4471</td>
<td>COS-MATH</td>
<td>3(0) Optimization for Actuarial Science: PR: MAC 2312 and STA 2512. Linear and dynamic programming, project scheduling, integer programming, theory of queues and stochastic simulation. Occasional.</td>
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<tr>
<td>MAP 4474</td>
<td>COS-MATH</td>
<td>3(0) Applied Boundary Value Problems II: PR: MAP 4363 or C.I. Legendre polynomials and Bessel functions. The theory of Sturm-Liouville. Separation of variables. Applications involving the wave equation, heat equation and equation of Laplace. Spring.</td>
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</tbody>
</table>


MAP 5106 COS-MATH 3(3,0) Introduction to Quantitative Aspects of Modelling and Simulation: PR: MAP 2302, graduate status or senior standing, or C.I. An introduction to calculus, matrix algebra, probability and statistics, and high level programming languages. A student may use this content does not have to take this course. Occasional.

MAP 5117 COS-MATH 3(3,0) Mathematical Modeling: PR: STA 4231, MAP 3593, graduate status or senior standing, or C.I. Introduction to modeling in industrial and scientific applications; techniques for studying statistical and deterministic models. Fall, Spring.


MAP 5396 COS-MATH 3(3,0) Splines and Data Approximation: PR: MAS 3105, or C.I. Matrices, determinants, vector spaces in R^n, linear transformations, eigenvectors, Jordan Form, matrix functions. Occasional.

MAP 5404 COS-MATH 3(3,0) Mathematical Foundations for Industrial Engineering and Operations: PR: MAP 2302, ESI 5219 or equivalent, ESI 4312, and graduate status or senior standing or C.I. Methods of proof, set theory; basic elements of topology, real analysis, graph theory, and matrix analysis. Occasional.

MAP 5426 COS-MATH 3(3,0) 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. Elementary functions, Bessel, Legendre and hypergeometric functions. Occasional.

MAP 5453 COS-MATH 3(3,0) 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 for differential equations, and applications to engineering. Occasional.

MAP 5514 COS-MATH 3(3,0) Linear and Nonlinear Waves I: PR: MAP 2302, MAP 4353, and graduate status or senior standing, or C.I. Equations of motion, inviscous and viscous flows, energy equation and energy flux, linear theory of gravity and capillary-gravity waves, variational principles for water waves. Occasional.

MAP 5931 COS-MATH 1(1,0) 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 presenting current investigations. Different branches of mathematics will be covered for a sense of diversity. Occasional.

MAR 3023 BA-MAR 4(4,0) Marketing: PR: Admission to UCF, Study of functions, institutions, and basic problems in marketing of goods and services in our domestic economy and abroad. Fall, Spring.
UCF Courses and Descriptions

MHS 2441 ED-CFCUnion 3(3,0)  
Marriage and Intimate Relationships:  
Examination of the dynamics of intimate relationships,  
dating, courtship and challenges of establishing stable  
and satisfying marriage, impact of divorce, premarital prepara-  
tion and marital education. Occasional.

MHS 5005 ED-CFC Unio 3(3,0)  
Introduction to the Counseling Profession:  
PR: Graduation of Phase II of Education Professional  
Preparation or C.I. Overview of the philosophy, organiza-  
tion, administration, and roles of counselors in various work  
settings. Fall, Spring.

MLS 3220C COM-M&M 3(3,0)  
Techniques in Clinical Microscopy:  
PR: CHM 2210, 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: $25.00

MLS 3305 COM-M&M 3(3,0)  
Hematology:  
PR: CHM 2210 and PCB 3703C. Overview of the  
hemostatic system and disease states associated with  
bleed and bone marrow. Spring.

MLS 3305L COM-M&M 1(0.6)  
Hematology Lab:  
PR: MLS 3305. Practical laboratory procedures routinely  
performed for analyzing hematologic abnormalities. Spring.

MLS 3705 COM-M&M 3(3,0)  
Concepts in Education/Management:  
PR: Admission to the MLS program, MLS 4625, MLS 4630.  
Advanced study of hematology and pathophysiological  
correlation to hematology disorders. Correlation of case  
studies and clinical practice in both student labs and clinical  
affiliates. Fall. M&S fee: $15.00

MLS 4334 COM-M&M 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 4420C COM-M&M 1(1,2)  
Clinical Mycology:  
PR: Admission to the professional phase of the MLS program with C.I. Instruction and laboratory practice in the isolation and identification of fungi associated with mycotic infections of man. Occasional. M&S fee: $15.00

MLS 4430C COM-M&M 2(1,3)  
Clinical Parasitology:  
PR: MCB 3020C, PCB 3703C or C.I. Instruction and laboratory practice in the examination and study of clinical material for the detection and identification of animal parasites. Even Fall. M&S fee: $15.00

MLS 4460C COM-M&M 5(3,6)  
Clinical Pathogenic Microbiology:  
PR: MCB 3020C, PCB 3703C or C.I. Instruction and laboratory practice in the examination and study of clinical material for the detection and identification of animal parasites. Fall. M&S fee: $45.00

MLS 4505C COM-M&M 3(3,0)  
Immunodiagnostics:  

MLS 4550 COM-M&M 4(2,6)  
Clinical Immunohematology:  
PR: Admission to the professional phase of the MLS program with C.I. Examination of incompatible crossmatches; antibody identification, leukocyte antigens and identification procedures, problem solving. Spring. M&S fee: $45.00

MLS 4625 COM-M&M 3(3,0)  
Advanced Clinical Chemistry I:  
PR: CHM 2220, PCB 3703C or C.I. Correlation of lab to specific disease states including deviations in carbohydrate, amino acid metabolism, renal function, gastric function, electrolytes, and blood gases. Fall.

MLS 4625L COM-M&M 1(0.3)  
Advanced Clinical Chem I Lab:  
CR: MLS 4625. Laboratory procedures routinely performed in a clinical chemistry laboratory. Fall. M&S fee: $45.00

MLS 4630 COM-M&M 3(3,0)  
Advanced Clinical Chemistry II:  
PR: CHM 2220, PCB 3703C or C.I. Correlation of laboratory tests to specific human disease states. Spring.
MUH 2071C CAH-MUSIC 1(0,1)
World Music Survey and Performance Laboratory: PR: MUT 1122 or C.I. An introduction to different musical cultures including West African, Caribbean, South American, and Asian. Occasional.

MUH 3211 CAH-MUSIC 3(3,0)
Music History and Literature I: PR: MUT 1122. History of Western European art music from Antiquity to 1750. Fall.

MUH 3212 CAH-MUSIC 3(3,0)
Music History and Literature II: PR: MUT 1122. History of Western European and American art music from 1750 to present day. Spring.

MUH 4218 CAH-MUSIC 1(1,0)

MUH 4322 CAH-MUSIC 3(3,0)
Medieval and Renaissance Music: PR: MUH 3211 and MUH 3212 or C.I. Music and culture of Western Europe in the era c. 450-1600. Even Fall.

MUH 4341 CAH-MUSIC 3(3,0)

MUH 4351 CAH-MUSIC 3(3,0)
Eighteenth-Century Music: PR: MUH 3211 and MUH 3212 with grades of "C," 2.0, or higher in each. Examination of Western European and American art music from the eighteenth century. Odd Fall.

MUH 4361 CAH-MUSIC 3(3,0)
Jazz Styles and Analysis: PR: MUT 3171 and MUL 2014, or C.I. Historical style periods and master artists in jazz music. Odd 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. 450-1600. 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. Investigates Baroque musical styles and composers within their diverse historical, musical, and cultural contexts. 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. Occasional.

MUH 5365 CAH-MUSIC 3(3,0)
Music of the 19th Century: PR: Graduate standing in Music or C.I. Western Art Music of the 19th Century. Odd Fall.

MUH 5375 CAH-MUSIC 3(3,0)
Music Since 1900: PR: Graduate standing in Music Education or C.I. Music and culture of Western and American art music from c. 1900 to the present. Occasional.

MUH 5816 CAH-MUSIC 3(3,0)
Jazz Styles and Analysis: PR: Graduate standing or C.I. Advanced study of historical style periods and master artists in jazz music. Odd Fall.

MUL 2010 CAH-MUSIC 3(2,1)
Enjoyment of Music: PR: Non-music majors only. Designed to develop an understanding of musical principles and techniques for listening to music. Fall, Spring.
MUT 1010 CAH-MUSIC  (0,2)  
Music Forum: A series of special musical events required of music majors. Includes lectures and recitals by faculty, students, and guest artists. Graded SU. May be repeated for credit. Fall, Spring.

MUT 1250 CAH-MUSIC  (1,0)  
IPA for Singers: PR: MUS 1250. IPA for Singers. Major or C.I. French and Italian lyric diction. IPA for Singers. May be repeated for credit. Fall, Spring.

MUT 1952C CAH-MUSIC  (0,2)  

MUT 2360C CAH-MUSIC  (3,2)  
Introduction to Music Technology: PR: Music or Digital Media major or C.I. Utilization of computers and keyboards to acquire skills in MIDI sequencing, notation, CDs, and the Internet. Fall, Spring. M&S fee: $15.83.

MUT 3254 CAH-MUSIC  (2,0)  

MUT 3255 CAH-MUSIC  (2,0)  
German and English Lyric Diction: PR: MUS 2500. Study and applications of the correct sung pronunciation of the German and English languages. Odd Spring.

MUT 3923 CAH-MUSIC  (0,1)  
Recital Performance I: PR: Junior Level Applied Music or C.I. Public recital of 30 minutes to demonstrate performance skills. Graded SU. May be used in the degree program a maximum of 2 times. Fall, Spring.

MUS 4320 CAH-MUSIC  (3,0)  
Music Business and Industry: PR: MUS 2300C or C.I. Today's music industry copyright, publishing, contracts and licensing. Odd Spring.

MUS 4330 CAH-MUSIC  (2,1)  

MUS 4674 CAH-MUSIC  (3,0)  

MUS 4900 CAH-MUSIC  (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 SU. Occasional.

MUS 4905 CAH-MUSIC  (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)  
Recital Performance II: PR: Senior level applied music and C.I. Public recital of 45 minutes to demonstrate performance skills. Graded SU. May be used in the degree program a maximum of 2 times. Fall, Spring.

MUS 5365 CAH-MUSIC  (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 5677 CAH-MUSIC  (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 1002 CAH-COM  (3,0)  

MUT 1004 CAH-COM  (3,0)  

MUT 1121 CAH-MUSIC  (4,2)  
Music Theory and Musicianship I: PR: MUT 1104 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 2126 CAH-MUSIC  (4,2)  
Music Theory and Musicianship III: PR: MUT 2126 or C.I. 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 2127 CAH-MUSIC  (4,2)  
Music Theory and Musicianship IV: PR: MUT 2126 or C.I. 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 2128 CAH-MUSIC  (3,0)  
Jazz and Improvisation: PR: C.I. or other music major or C.I. Study of jazz and improvisation in the context of jazz ensemble settings. Graded SU. Odd Spring.

MUT 2140 CAH-MUSIC  (3,0)  
Jazz Harmony: PR: MUT 2127 or C.I. Basic harmonic analysis and voice leading in the context of jazz ensemble settings. Graded SU. Even Spring.

MUT 2141 CAH-MUSIC  (3,0)  
Organ: PR: C.I. or other music major or C.I. Study of organ literature in the context of jazz ensemble settings. Graded SU. Odd Spring.

MUT 3923 CAH-MUSIC  (0,3)  
Jazz Workshop: PR: MUT 3171 or C.I. Jazz improvisation, repertoire, composition and arranging studied in a chamber group context. May be used in the degree program a maximum of 3 times. Odd Spring.

MUT 4031 CAH-COM  (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  (3,0)  
MUT 4401 CAH-MUSIC 3(3,0)

MUT 4571 CAH-MUSIC 3(3,0)

MUT 5216 CAH-MUSIC 3(3,0)

MUT 5316 CAH-MUSIC 3(3,0)

MUT 5381 CAH-MUSIC 3(3,0)

MUT 5936 CAH-MUSIC 3(3,0)

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)

MVB 1411 CAH-MUSIC 2(1,1)

MVB 1412 CAH-MUSIC 2(1,1)

MVB 1413 CAH-MUSIC 2(1,1)

MVB 1414 CAH-MUSIC 2(1,1)

MVB 1415 CAH-MUSIC 2(1,1)

MVB 2421 CAH-MUSIC 2(1,1)

MVB 2422 CAH-MUSIC 2(1,1)

MVB 2423 CAH-MUSIC 2(1,1)

MVB 2424 CAH-MUSIC 2(1,1)

MVB 2425 CAH-MUSIC 2(1,1)

MVB 3431 CAH-MUSIC 2(1,1)

MVB 3432 CAH-MUSIC 2(1,1)

MVB 3433 CAH-MUSIC 2(1,1)

MVB 3434 CAH-MUSIC 2(1,1)

MVB 3435 CAH-MUSIC 2(1,1)

MVB 4441 CAH-MUSIC 4(1,1)

MVB 4442 CAH-MUSIC 4(1,1)

MVB 4443 CAH-MUSIC 4(1,1)

MVB 4444 CAH-MUSIC 4(1,1)

MVB 4445 CAH-MUSIC 4(1,1)

MVB 4446 CAH-MUSIC 4(1,1)

MVB 5452 CAH-MUSIC 2(1,0)

MVB 5453 CAH-MUSIC 2(1,0)

MVB 5454 CAH-MUSIC 2(1,0)

MVB 5455 CAH-MUSIC 2(1,0)

MVJ 1010 CAH-MUSIC 2(1,1)

MVJ 1213 CAH-MUSIC 2(1,1)

MVJ 1214 CAH-MUSIC 2(1,1)

MVJ 1215 CAH-MUSIC 2(1,1)

MVJ 2220 CAH-MUSIC 2(1,1)

MVJ 2222 CAH-MUSIC 2(1,1)

MVJ 2223 CAH-MUSIC 2(1,1)

MVJ 2224 CAH-MUSIC 2(1,1)

MVJ 2225 CAH-MUSIC 2(1,1)

MVJ 3230 CAH-MUSIC 3(1,1)

MVJ 3231 CAH-MUSIC 3(1,1)

MVJ 3232 CAH-MUSIC 3(1,1)

MVJ 3233 CAH-MUSIC 3(1,1)

MVJ 3339 CAH-MUSIC 3(1,1)

MVJ 3341 CAH-MUSIC 3(1,1)

MVJ 3342 CAH-MUSIC 3(1,1)

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MVJ 3358 CAH-MUSIC 3(1,1)

MVJ 3359 CAH-MUSIC 3(1,1)

MVJ 3360 CAH-MUSIC 3(1,1)

MVJ 3361 CAH-MUSIC 3(1,1)

MVJ 3362 CAH-MUSIC 3(1,1)

MVJ 3363 CAH-MUSIC 3(1,1)

MVJ 3364 CAH-MUSIC 3(1,1)

MVJ 3365 CAH-MUSIC 3(1,1)

MVJ 3366 CAH-MUSIC 3(1,1)

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MVJ 3379 CAH-MUSIC 3(1,1)

MVJ 3380 CAH-MUSIC 3(1,1)

MVJ 3381 CAH-MUSIC 3(1,1)

MVJ 3382 CAH-MUSIC 3(1,1)

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MVJ 3386 CAH-MUSIC 3(1,1)

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MVJ 3391 CAH-MUSIC 3(1,1)

MVJ 3392 CAH-MUSIC 3(1,1)

MVJ 3393 CAH-MUSIC 3(1,1)

MVJ 3394 CAH-MUSIC 3(1,1)

MVJ 3395 CAH-MUSIC 3(1,1)

MVJ 3396 CAH-MUSIC 3(1,1)

MVJ 3397 CAH-MUSIC 3(1,1)

MVJ 3398 CAH-MUSIC 3(1,1)

MVJ 3399 CAH-MUSIC 3(1,1)

MVJ 3400 CAH-MUSIC 3(1,1)
<table>
<thead>
<tr>
<th>Course</th>
<th>Department</th>
<th>Course Code</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MVK 4421 CAH-MUSIC</td>
<td></td>
<td>2(1)</td>
<td></td>
<td>Piano II: PR: MVK 1411 and competence determined by faculty jury. Continuation of MVK 1411. May be repeated for credit. Fall, Spring.</td>
</tr>
<tr>
<td>MVK 3431 CAH-MUSIC</td>
<td></td>
<td>2-3(1)</td>
<td></td>
<td>Piano II: PR: MVK 2421 and competence determined by faculty jury. Continued study of performance skills of the piano, 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>MVK 4441 CAH-MUSIC</td>
<td></td>
<td>4(1)</td>
<td></td>
<td>Piano IV: PR: MVK 3432 and competence determined by faculty jury. Intensive advanced performance study of the piano, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.</td>
</tr>
<tr>
<td>MVK 4640 CAH-MUSIC</td>
<td></td>
<td>2(2,0)</td>
<td></td>
<td>Piano Pedagogy I: PR: MVK 1411 or C.I. Methods, teaching for individuals of classes and children and adults beginning to intermediate levels; demonstration and observation of performance practice. May be used in the degree program a maximum of 2 times. Fall, Spring.</td>
</tr>
<tr>
<td>MVK 4641 CAH-MUSIC</td>
<td></td>
<td>1(1,0)</td>
<td></td>
<td>Piano Pedagogy II: PR: C.I. Continuation of MVK 4640. Emphasis on intermediate through advanced levels. May be repeated for credit. Odd Spring.</td>
</tr>
<tr>
<td>MVK 4960 CAH-MUSIC</td>
<td></td>
<td>0(1,0)</td>
<td></td>
<td>Piano Proficiency Exam: PR: C.I. Demonstration of piano skills in basic repertoire, right-hand, left-hand, and transposition. Required of Music majors. Graded S/U. May be used in the degree program a maximum of 2 times. Fall, Spring.</td>
</tr>
<tr>
<td>MVK 5451 CAH-MUSIC</td>
<td></td>
<td>2(1,0)</td>
<td></td>
<td>Piano V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.</td>
</tr>
<tr>
<td>MVK 1111 CAH-MUSIC</td>
<td></td>
<td>1(2)</td>
<td></td>
<td>Class Piano I: Class instruction for beginning piano students. Open to music majors whose major performing medium is piano. Fall, Spring.</td>
</tr>
<tr>
<td>MVK 1112 CAH-MUSIC</td>
<td></td>
<td>1(2)</td>
<td></td>
<td>Class Piano II: PR: MVK 1111, Music major, 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 1211 CAH-MUSIC</td>
<td></td>
<td>1(0,1)</td>
<td></td>
<td>Secondary Piano: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in piano. Intended for non-music majors. May be repeated for credit. Fall, Spring.</td>
</tr>
<tr>
<td>MVK 1411 CAH-MUSIC</td>
<td></td>
<td>2(1)</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 1800 CAH-MUSIC</td>
<td></td>
<td>2(2,0)</td>
<td></td>
<td>Keyboard I: Keyboard training for non-Music students with no prior keyboard training. Fall, Spring.</td>
</tr>
<tr>
<td>MVK 1801 CAH-MUSIC</td>
<td></td>
<td>2(2,0)</td>
<td></td>
<td>Keyboard II: PR: MVK 1800. Continuation of Keyboard class I. Occasional.</td>
</tr>
<tr>
<td>MVK 2121 CAH-MUSIC</td>
<td></td>
<td>1(0,2)</td>
<td></td>
<td>Class Piano III: PR: MVK 1112, Music major or C.I. Continuation of MVK 1112. Music majors only; not open to music majors whose major instrument is piano. Fall, Spring.</td>
</tr>
<tr>
<td>MVK 2122 CAH-MUSIC</td>
<td></td>
<td>1(0,2)</td>
<td></td>
<td>Class Piano IV: PR: Music major, MVK 2211 or C.I. Continuation of MVK 2211. Music majors only; not open to music majors whose major instrument is piano. Fall, Spring.</td>
</tr>
<tr>
<td>MVK 2421 CAH-MUSIC</td>
<td></td>
<td>2(1,0)</td>
<td></td>
<td>Piano II: PR: MVK 1411 and competence determined by faculty jury. Continuation of MVK 1411. May be repeated for credit. Fall, Spring.</td>
</tr>
<tr>
<td>MVK 3432 CAH-MUSIC</td>
<td></td>
<td>2-3(1)</td>
<td></td>
<td>Piano II: PR: MVK 2421 and competence determined by faculty jury. Continued study of performance skills of the piano, 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>MVK 4441 CAH-MUSIC</td>
<td></td>
<td>4(1,1)</td>
<td></td>
<td>Percussion IV: PR: MVK 3432 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.</td>
</tr>
<tr>
<td>MVP 4541 CAH-MUSIC</td>
<td></td>
<td>2(1,0)</td>
<td></td>
<td>Percussion V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring. M&amp;S fee: $35.00</td>
</tr>
<tr>
<td>MVS 1211 CAH-MUSIC</td>
<td></td>
<td>1(0,1)</td>
<td></td>
<td>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.</td>
</tr>
<tr>
<td>MVS 1212 CAH-MUSIC</td>
<td></td>
<td>1(0,1)</td>
<td></td>
<td>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.</td>
</tr>
<tr>
<td>MVS 1213 CAH-MUSIC</td>
<td></td>
<td>1(0,1)</td>
<td></td>
<td>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.</td>
</tr>
<tr>
<td>MVS 1214 CAH-MUSIC</td>
<td></td>
<td>1(0,1)</td>
<td></td>
<td>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.</td>
</tr>
<tr>
<td>MVS 1216 CAH-MUSIC</td>
<td></td>
<td>1(0,1)</td>
<td></td>
<td>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.</td>
</tr>
<tr>
<td>MVS 1411 CAH-MUSIC</td>
<td></td>
<td>2(1,1)</td>
<td></td>
<td>Violin I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.</td>
</tr>
<tr>
<td>MVS 1412 CAH-MUSIC</td>
<td></td>
<td>2(1,1)</td>
<td></td>
<td>Viola I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.</td>
</tr>
<tr>
<td>MVS 1413 CAH-MUSIC</td>
<td></td>
<td>2(1,1)</td>
<td></td>
<td>Cello I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.</td>
</tr>
<tr>
<td>MVS 1414 CAH-MUSIC</td>
<td></td>
<td>1(1,1)</td>
<td></td>
<td>Bass I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.</td>
</tr>
<tr>
<td>MVS 1415 CAH-MUSIC</td>
<td></td>
<td>2(1,1)</td>
<td></td>
<td>Harp I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.</td>
</tr>
<tr>
<td>MVS 1416 CAH-MUSIC</td>
<td></td>
<td>2(1,1)</td>
<td></td>
<td>Guitar I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.</td>
</tr>
<tr>
<td>MVS 2421 CAH-MUSIC</td>
<td></td>
<td>1(1,2)</td>
<td></td>
<td>Violin I: PR: MVS 1411 and competence determined by faculty jury. Continuation of MVS 1411. May be repeated for credit. Fall, Spring.</td>
</tr>
<tr>
<td>MVS 2422 CAH-MUSIC</td>
<td></td>
<td>2(1,1)</td>
<td></td>
<td>Viola I: PR: MVS 1412 and competence determined by faculty jury. Continuation of MVS 1412. May be repeated for credit. Fall, Spring.</td>
</tr>
<tr>
<td>MVS 2423 CAH-MUSIC</td>
<td></td>
<td>2(1,1)</td>
<td></td>
<td>Cello I: PR: MVS 1413 and competence determined by faculty jury. Continuation of MVS 1413. May be repeated for credit. Fall, Spring.</td>
</tr>
<tr>
<td>MVS 2424 CAH-MUSIC</td>
<td></td>
<td>2(1,1)</td>
<td></td>
<td>Bass II: PR: MVS 1414 and competence determined by faculty jury. Continuation of MVS 1414. May be repeated for credit. Fall, Spring.</td>
</tr>
<tr>
<td>MVS 2425 CAH-MUSIC</td>
<td></td>
<td>2(1,1)</td>
<td></td>
<td>Harp II: PR: MVS 1415 and competence determined by faculty jury. Continuation of MVS 1415. May be repeated for credit. Fall, Spring.</td>
</tr>
<tr>
<td>MVS 2426 CAH-MUSIC</td>
<td></td>
<td>2(1,1)</td>
<td></td>
<td>Guitar II: PR: MVS 1416 and competence determined by faculty jury. Continuation of MVS 1416. May be repeated for credit. Fall, Spring.</td>
</tr>
</tbody>
</table>
MVS 3431 CAH-MUSIC 2-3(1,1)
Violin III: PR: MVS 2421 and competence determined by faculty jury. Intensive advanced performance study of the violin, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 3432 CAH-MUSIC 2-3(1,1)
Viola III: PR: MVS 2422 and competence determined by faculty jury. Continued study of performance skills of the viola, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 3433 CAH-MUSIC 2-3(1,1)
Cello III: PR: MVS 2423 and competence determined by faculty jury. Continued study of performance skills of the cello, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 3434 CAH-MUSIC 2-3(1,1)
Bass III: PR: MVS 2424 and competence determined by faculty jury. Continued study of performance skills of the string bass, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 3435 CAH-MUSIC 2-3(1,1)
Harp: PR: MVS 2425 and competence determined by faculty jury. Continued study of performance skills of the harp, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 3436 CAH-MUSIC 2-3(1,1)
Viola IV: PR: MVS 3432 and competence determined by faculty jury. Intensive advanced performance study of the viola, for performance 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, for performance 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, for performance 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, for performance 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 string bass, for performance 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, for performance 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)
Viola V: 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 repeated for credit. Fall, Spring.

MVV 1111 CAH-MUSIC 1(0,1)
Class Voice: Class instruction in beginning voice. May be repeated for credit. 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)

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(1,1)
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(2,0)
Voice Pedagogy: PR: C.I. Vocal function, anatomy, and pedagogical methodology as applied to the voice teacher and performer. Odd Spring.

MVV 4641 CAH-MUSIC 1(1,0)
Voice Pedagogy II: PR: C.I. Continuation of MVV 4640. Intermediate to advanced levels. May be repeated for credit. Odd Spring.

MVV 5451 CAH-MUSIC 2(1,0)
Voice V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVV 5651 CAH-MUSIC 2(3,0)
Voice Pedagogy: PR: Graduation 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)

MVW 1215 CAH-MUSIC 1(0,1)

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.

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. CR: 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. CR: 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. CR: 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. CR: MVW 1414. May be repeated for credit. Fall, Spring.

MVW 2425 CAH-MUSIC 2(1,1)
Saxophone II: PR: MVW 1415 and competence determined by faculty jury. CR: MVW 1415. May be repeated for credit. Fall, Spring.

MVW 3431 CAH-MUSIC 2-3(1,1)
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(1,1)
Viola III: PR: MVW 2422 and competence determined by faculty jury. Continued study of performance skills of the viola, 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(1,1)
Bassoon III: PR: MVW 2423 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 3434 CAH-MUSIC 2-3(1,1)
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(1,1)
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.
MVV 4441 CAH-MUSIC  4(1,1)
Flute IV: PR: MVV 3434 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.

MVV 4442 CAH-MUSIC  4(1,1)
Oboe IV: PR: MVV 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.

MVV 4443 CAH-MUSIC  4(1,1)
Clarinet IV: PR: MVV 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.

MVV 4444 CAH-MUSIC  4(1,1)
Bassoon IV: PR: MVV 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.

MVV 4445 CAH-MUSIC  4(1,1)
 Saxophone IV: PR: MVV 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)

NGR 5003L CON-NURS  1(0,1)
Advanced Health Assessment and Diagnostic Reasoning (Lab): PR: or CR: NGR 5141; CR: NGR 5003. Application of concepts and skills for advanced health assessment and diagnostic reasoning over the lifespan. Fall, Spring. M&S fee: $45.00

NGR 5090 CON-NURS  3(0,0)
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(0,0)
Pathophysiological Bases for Advanced Nursing Practice: PR: Baccalaureate degree in Nursing and MVW 3065 or competence determined by faculty jury. Intensive study of the pathophysiological mechanisms affecting individuals. Fall, Spring.

NGR 5638 CON-NURS  3(0,0)
Health Promotion: PR: Admission to MSN or Nursing Certificate program or C.I. Exploration and analysis of concepts, principles, theories, research, and interventions for health promotion and wellness. Fall, Spring.

NGR 5660 CON-NURS  3(0,0)
Health Disparities: Issues and Strategies: PR: Graduate standing. Explores disparities in access, utilization, services, outcomes, and status for different U.S. populations: data, research, programmatic issues, and strategies to close the gaps. Occasional.

NGR 5690 CON-NURS  3(0,0)
Interdisciplinary Care at End-of-Life: PR: Graduate status or C.I. Examination of interdisciplinary roles and strategies for enabling patients, families, and caregivers to approach end-of-life free from avoidable distress and suffering. Fall.

NGR 5720 CON-NURS  3(0,0)
Organizational Dynamics: PR: Baccalaureate degree in Nursing or C.I. Advanced study of organizational theories related to health care organizations and the use of leadership, communication and power to influence health care delivery and policy. Fall.

NGR 5745 CON-NURS  1(1,0)
Professional Obligations and Activities of Advanced Practice Nursing: PR: NGR 5891 and NGR 5981. Student must be in last or second to last semester of program. Examine professional obligations of advanced practice nursing. Opportunity to develop skills for taking certification exam. Fall, Spring.

NGR 5800 CON-NURS  3(0,0)
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. Fall, Spring.

NGR 5871 CON-NURS  3(0,0)
Health Care Informatics: PR: Baccalaureate degree and field i.e. Use of information systems, clinical data management, communication strategies, and decision-making models. Fall.

NGR 5883 CON-NURS  1(1,0)
Cultural, Legal, Ethical, and Political Issues of Advanced Practice Nursing: PR: Admission to MSN program or C.I. Examine legal, ethical and political issues related to advanced practice nursing. Fall, Spring.

NGR 5884 CON-NURS  3(0,0)
Legal and Professional Behavior in Advanced Practice Nursing: PR: 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. Fall, Spring.

NGR 5891 CON-NURS  1(1,0)
Health Care Systems, Policy and Health Professionals: PR: Admission to the MSN program or C.I. Examine social responses including: history, categories, cycles, laws, to policy issues related to the delivery and policy. Fall, Spring.

NGR 5891C 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.

NSP 4425 CON-NURS  3(0,0)
Women's Health Issues: PR: ENC 1102, Junior standing, or C.I. Factors and conditions impacting the health of women. May be repeated for credit. Fall.

NSP 4495 CON-NURS  3(0,0)
Emergency Department Nursing: PR: Completion of both 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 emergency physiological conditions in the emergency department setting. Occasional.

NSP 4550 CON-NURS  3(0,0)
Family and Interpersonal Violence: Perspectives for Nurses: PR: PSY 2012, SYG 2000 and enrollment in a nursing program or C.I. Family and interpersonal violence education to increase nurses’ responding responses including: history, categories, cycles, laws, intervention, nursing resources, protocols and resources. Occasional.

NSP 4685 CON-NURS  3(0,0)
Death & Dying: Nursing Considerations: PR: Admission to the Nursing Program, RN license 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.

NSP 4695 CON-NURS  3(0,0)
Forensic Nursing Principles and Practice: PR: Admission to the Nursing Program or C.I. Forensic Nursing principles and practices applied to a variety of settings; an examination of the scope of practice of forensic nursing. Occasional.

NUR 3028 CON-NURS  2(2,0)
Essentials of Nursing Practice: PR: Admission to BSN program, CR: NUR 3025L and NUR 3065L, NUR 3825, NUR 3834, NUR 3845L and NUR 3846L. Lab to learn and apply science-based principles of nursing practice and core scientific principles to technical practice. Introduction to evidence-based principles and nursing process to clients in long-term care. Fall.

NUR 3028L CON-NURS  1(0,2)
Essentials of Nursing Practice Lab: PR: or CR: NUR 3065L and admission to the School of Nursing or C.I. Concepts of evidence-based principles and core scientific principles to technical practice. Lab to learn and apply science-based principles of nursing practice and core scientific principles to technical practice. Fall, Spring. M&S fee: $15.00

NUR 3065 CON-NURS  2(2,0)
Health Assessment: PR: or CR: NUR 3065L, and admission to the School of Nursing or C.I. Concepts of evidence-based principles and core scientific principles to technical practice. Fall, Spring. M&S fee: $50.00

NUR 3065L CON-NURS  1(0,1)
Health Assessment Lab: CR: NUR 3065L. Clinical application of concepts and techniques of health assessment of clients. Fall, Spring. M&S fee: $30.00

NUR 3125 CON-NURS  3(0,3)
Pathophysiology for Nursing Practice: PR: Admission to BSN program, successful completion of the first semester in the nursing curriculum. CR: Concurrent enrollment in NUR 3225, NUR 3225L, NUR 3145, NUR 3445, NUR 3445L. Concepts and applications of the pathophysiological basis of illness. Fall.

NUR 3145 CON-NURS  3(0,3)
Pharmacology for Nursing Practice: PR: Admission to BSN program, successful completion of the first semester in the nursing curriculum, and concurrent enrollment in NUR 3225, NUR 3225L, NUR 3145, NUR 3445, NUR 3445L. Concepts and applications of the pathophysiological basis of illness. Fall.

NUR 3165 CON-NURS  3(0,3)
Nursing Research: PR: Admission to the BSN program, CR: STA 2104 or 2103. Basic research methods for successful completion of the first semester; for RN to BSN students: NUR 3805 and RN status; or CI. Nursing research as a basis for nursing practice. Selected experiences in reviewing, analyzing, and interpreting nursing research for nursing practice. Fall, Spring.

NUR 3165H CON-NURS  3(0,3)
Nursing Research: PR: Permission of honors; admission to nursing and completion of previous nursing courses; STA 2104 or 2103. Basic research methods for successful completion of the first semester; for RN to BSN students: NUR 3805 and RN status; or CI. Nursing research as a basis for nursing practice. Selected experiences in reviewing, analyzing, and interpreting research for nursing practice. With Honors content. Occasional.

NUR 3167 CON-NURS  1(2,0)
Accelerated Nursing Research Seminar: PR: Admission to Accelerated BSN Option; previous undergraduate or graduate research course with approval from the CON. Accelerated study of systematic approaches to problematic situations in nursing. Selected experiences in investigating, analyzing, and interpreting nursing research and nursing issues. Spring.
Concepts of family nursing as they relate to health promotion, successful completion of the first semester in Professional Socialization Seminar: RN to BSN students.

Nursing Care of Families: NUR 3445 CON-NURS  3(3,0)
- Professional standards, legal and practice issues.
- Functions of the professional nurse, including professional standards, legal, and ethical principles to the beginning role of the professional nurse.
- Professional writing skills, critical thinking and stress management.
- Dimensions of Professional Nursing NUR 3805 CON-NURS  3(3,0)
- Theory and practice in cancer as it affects individuals and families. Emphasis on social response.
- Basic principles and concepts in oncology. Focus on clients in long-term care. Graded S/U.

PR: Admission to the nursing program, or RN license, or C.I. Theories and principles related to the promotion, maintenance, and restoration of health in older adults in various settings. Occasional.


PR: Admission to BSN program, successful completion of the first three semesters in the nursing curriculum, and concurrent enrollment in NUR 4227; NUR 4227L; NUR 4535L. Nursing in the promotion of mental health and the prevention, treatment, and rehabilitation of mental illness. Fall, Spring.

PR: Admission to BSN program, successful completion of the first three semesters in the nursing curriculum, and concurrent enrollment in NUR 4535; NUR 4227; NUR 4227L. Clinical Application of Nursing interventions in the promotion, transpersonal healing and complementary interventions to maximize nursing care outcomes. Occasional.


PR: Admission to the nursing program, or RN license, or C.I. Theories and principles related to the promotion, maintenance, and restoration of health in older adults in various settings. Occasional.

PR: Admission to BSN program, successful completion of the first three semesters in the nursing curriculum, and concurrent enrollment in NUR 4227; NUR 4227L; NUR 4535L. Nursing in the promotion of mental health and the prevention, treatment, and rehabilitation of mental illness. Fall, Spring.

PR: Admission to BSN program, successful completion of the first three semesters in the nursing curriculum, and concurrent enrollment in NUR 4227; NUR 4227L; NUR 4535L. Nursing in the promotion of mental health and the prevention, treatment, and rehabilitation of mental illness. Graded S/U. Fall, Spring.

PR: Admission to the BSN program, successful completion of the first four semesters in the nursing curriculum, and concurrent enrollment in NUR 4945L Nursing Practicum; NUR 4945L, NUR 4947L, NUR 4947L. Concepts of public health nursing focusing on population-based health care delivery systems. Fall, Spring.

PR: Admission to the BSN program, successful completion of the first four semesters in the nursing curriculum, and concurrent enrollment in NUR 4945L, NUR 4947L, NUR 4947L. 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.

PR: Admission to the nursing program, RN License, or C.I. Principles of pain and pain management across the lifespan from neonates to the elderly, including practices across the healthcare settings, from acute care to home care. Occasional.

PR: Admission to the nursing program, RN License, or C.I. Principles of pain and pain management across the lifespan from neonates to the elderly, including practices across the healthcare settings, from acute care to home care. Occasional.

PR: Admission to the Honors or Honors in the major program or CI. Transition to the Honors and Directed Practice; NUR 4637; NUR 4637L; NUR 4257. Directed Practice; NUR 4637; NUR 4637L; NUR 4257. Professional development and role transition of baccalaureate students in the nursing profession and directed toward professional role development. Graded S/U. Fall, Spring.
NUR 4837H CON-NURS 3(3,0) Honors Health Care Issues, Policy, and Economics: PR: Permission of Honors; Admission to BSN program; completed first & second semester BSN curriculum core work; 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 Variable Independent Study: Directed Study. Graded S/U or Letter grade. May be repeated for credit. Occasional.

NUR 4907H CON-NURS 3(3,0) Directed Reading/Research-Honors: 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 4930 CON-NURS 3(3,0) Health Issues in Minority and Special Populations: PR: Nursing Majors/Junior Level, or C.I. Identify and critically analyze structural and socio-cultural factors that influence the health of minorities and special populations. Occasional.

NUR 4942L CON-NURS 3(0,3) Nursing Practicum for International Students: PR: CI (Consent of Instructor). 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; STA 2041C or 2023; For Basic program successful completion of the first three semesters; for RN to BSN students; NUR 3805 and RN status 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 3(3,0) Thesis in Project Works-Honors: PR: Permission of Honors. This course provides students with faculty mentoring through the process of writing and defending the Honors Thesis or Project. Occasional.

OCE 3008 COS-BIOL 3(3,0) Oceanography: PR: EAS 2010C, CHM 2045C, and CHM 2045C. 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 4052 OPT-OPT 3(3,0) Introduction to Photonics: PR: EEL 3470. Properties of light as waves, fields, and photons. Introduction to optical devices, fibers, and lasers. Applications in imaging, signal processing, sensing, communications, and displays. Fall.

OCE 4470 OPT-OPT 3(3,0) Optical Fiber Communication Systems: PR: EEE 3530 and OCE 4052. Introduction to the principles and design of optical fiber communication systems including the optoelectronic devices used in transmitters and receivers. Spring.

OCE 4830 OPT-OPT 3(3,0) Introduction to Imaging Systems: PR: EEL 3125C and OSE 4052. Mathematical and physical models of two- and three-dimensional imaging systems including gazing, scanning, interferometric, tomographic and hyperthermic systems. Remotely sensing and biological and medical applications. Spring.

OCE 5041 OPT-OPT 3(3,0) Introduction to Wave Optics: PR: EEL 4440 or PHY 4442 or C.I. Electromagnetic foundation of light waves as they reflect, diffuse, interfere, polarize, coherence, and guided waves. Occasional.

OCE 5203 OPT-OPT 3(3,0) Geometrical Optics and Imaging Systems: PR: Graduate standing or C.I. Graduates standing or C.I. Knowledge of principles of geometrical optics, geometrical theory of image formation, optical system layout, radiometry. Fall, Spring.

OCE 5312 OPT-OPT 3(3,0) Light Matter Interaction: PR: Graduate standing or C.I. Microscopic theory of absorption, dispersion, and refraction of light. Classical and quantum mechanical description of optical properties. Fall, Spring.

OCE 5513 OPT-OPT 3(3,0) Materials for Optical Systems: PR: Graduate standing or C.I. Course will review key attributes of optical materials that allow them to be used in a range of applications, devices and components in optical systems. Occasional.

OCE 5541 OPT-OPT 3(3,0) Fundamentals of Optoelectronic Devices: PR: Graduate standing or C.I. Operation, methods of fabrication, applications, and limitations of various optoelectronic devices including quantum well semiconductor devices. Fall.

OCE 5630C OPT-OPT 3(2,1) Thin Film Optics: PR: PHY 4424 or EEL 4446 and OCE 5041 or OSE 5630C. Principles of thin film optics and its applications in optical, electro-optical, and laser systems. Occasional.

PAD 3003 HPA-PUB 3(3,0) Public Administration in American Society: PR: POS 2041. An examination of the basic environment, culture, and organization of public administration in the United States. Fall, Spring.

PAD 3040 HPA-PUB 3(3,0) Ethics and Values in Public Administration: PR: Junior standing or C.I. Ethical dimensions of public administration. Develops the awareness, skills, and value function to act ethically. Occasional.

PAD 3330 HPA-PUB 3(3,0) Urban and Regional Planning: PR: PAD 3003 or C.I. Planning topics such as land-use, and comprehensive and urban planning as they relate to the physical aspects of the natural and human environment. Fall, Spring.

PAD 3733 HPA-PUB 3(3,0) Professional Administrative Writing in the Public Sector: PR: ENC 1102 or C.I. Professional and technical writing for the field of public administration. Fall, Spring.

PAD 3830 HPA-HAPA 1(1,0) American Humancins Human Service Workshop: PR: Enrollment in American Humancins Minor or National Certificate Program through American Humancins Program office. Discussion and activity based course exploring nonprofit competencies to prepare students for management and leadership positions in human services. Student Association activities included. May be repeated for credit. Fall, Spring.

PAD 4034 HPA-PUB 3(3,0) The Administration of Public Policy: PR: ECO 2023. Problems of values, interests, and objectives and their impact on the administration of public programs, stressing the interplay between social values, policies and administration. Fall, Spring.

PAD 4104 HPA-PUB 3(3,0) Administrative Theory: A review of the behavioral aspects of the administrative process, its impact on organizational goal achievement and on supervisory strategies. Some social and structural pathologies affecting administrative practice. Fall, Spring.

PAD 4110 HPA-PUB 3(3,0) Intergovernmental Administration: 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, Spring.

PAD 4131 HPA-PUB 3(3,0) Public Sector Project Management: Various approaches to managing projects, including using scheduling techniques such as GANTT, CPDM, and PERT, as well as team building, facilitating, and leadership skills. Occasional.

PAD 4144 HPA-PUB 3(3,0) Non-Profit Organizations: PR: Junior standing and having declared Non-Profit Minor or Certificate or C.I. The operations of nonprofit organizations, including working with board of directors, volunteer services, fund-raising and grantmanship, financial management and marketing. Fall, Spring.

PAD 4147 HPA-PUB 3(3,0) Resource Development in the Nonprofit Sector: PR: Junior status and have declared Nonprofit minor or Certificate or C.I. Examination of the development and management of human resources and financial resource development in nonprofit organizations is discussed. Fall.

PAD 4148 HPA-PUB 3(3,0) Volunteer Management: PR: Junior status and have declared Nonprofit Minor or Certificate or C.I. Examination of recruitment, selection, training and management of volunteers in nonprofit organizations and the application of management theory. Spring.

PAD 4153 HPA-PUB 3(3,0) Planning and Improvement for Pub Org: Prepare future leaders for the changing paradigms of the public sector by providing education in a variety of quality related areas. Fall.

PAD 4204 HPA-PUB 3(3,0) Fiscal Management: PR: C.I. Analysis of methods of securing public funds, the process of budget making, and techniques of management used in managing public funds. Fall, Spring.

PAD 4223 HPA-PUB 3(3,0) Public Budgeting: Skills and Techniques: PR: PAD 4204 or C.I. Analytical skills and administrative techniques employed by public budget analysts, focusing on the process of generating and using information. Occasional.

PAD 4253 HPA-PUB 3(3,0) Community & Economic Development: PR: PAD 3003 or C.I. This course will examine local and regional economic development strategies, with an emphasis on effective policy setting and planning. Fall.

PAD 4305 HPA-PUB 3(3,0) Program Evaluation for Public and Non-Profit Organizations: PR: PAD 3003 or C.I. To develop an understanding of program evaluation and to apply the process by developing a program evaluation for a program. Spring.

PAD 4311 HPA-PUB 3(3,0) Community Planning: PR: PAD 3003 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 4343 HPA-PUB 3(3,0) Urban Design: CR: PAD 3330 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: CR: PAD 3330. The study of environmental policy making processes, programs, and problems through lectures, field study, and research projects. Spring.

PAD 4390 HPA-PUB 3(3,0) Natural Hazard Mitigation/Preparedness: PR: PR or CR: PAD 4392. 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: PAD 3003 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: PR or CR: PAD 4392. 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.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>School/Program</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAD 4414</td>
<td>HPA-PUB</td>
<td>3(0,3)</td>
<td>Public Personnel Administration: The history, organization, and practice of public personnel systems. Fall, Spring.</td>
</tr>
<tr>
<td>PAD 4446</td>
<td>HPA-PUB</td>
<td>3(0,3)</td>
<td>Multiculturalism in Public Administration: PR: PAD 3003 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.</td>
</tr>
<tr>
<td>PAD 4461</td>
<td>HPA-PUB</td>
<td>3(0,3)</td>
<td>Reengineering Government: PR: PAD 3003. Acquaint undergraduate students with the latest thinking on improving the effectiveness and efficiency of public organizations via reengineering. Occasional.</td>
</tr>
<tr>
<td>PAD 4616</td>
<td>HPA-PUB</td>
<td>3(0,3)</td>
<td>Privatization: PR: PAD 3003 or C.I. Analysis of the processes of privatizing existing governmental services, including privatization decision, creation of RFP or ITB, contract award and contract management. Occasional.</td>
</tr>
<tr>
<td>PAD 4712</td>
<td>HPA-PUB</td>
<td>3(0,3)</td>
<td>Information Systems for Public Managers and Planners: PR: PAD 3330 or C.I. Knowledge and skills concerning information technology important for planners and public managers, including use of GIS to manipulate and analyze spatial data. Spring.</td>
</tr>
<tr>
<td>PAD 4720</td>
<td>HPA-PUB</td>
<td>3(0,3)</td>
<td>Survey Research in Public Administration: Introduction to the concepts, design, methodology, computer applications, and data analysis in applied research in the public sector. Fall, Spring.</td>
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<tr>
<td>PAD 4803</td>
<td>HPA-PUB</td>
<td>3(0,3)</td>
<td>Issues in Urban Administration: CR: PAD 3330 or C.I. To provide students with an understanding of public policy and administrative responses to socioeconomic problems within the urban context. Occasional.</td>
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<tr>
<td>PAD 4941</td>
<td>HPA-PUB</td>
<td>3-6(0,6)</td>
<td>Public Administration Internship: PR: C.I. Internship in municipal, county, state, or federal government, including assignments in such fields as personnel, planning, budget, and fiscal, procurement, and public safety. Graded S/U. Occasional.</td>
</tr>
<tr>
<td>PAD 4948</td>
<td>HPA-PUB</td>
<td>3(0,3)</td>
<td>American Humanities Internship: PR: Enrollment in American Humanities AH Certification Program, completion of 2 A,H restricted course electives and approval of AH Campus Director. Supervised internship to demonstrate AH identified competencies for students in American Humanities certification program. Requires minimum of 300 hours placement in nonprofit human services organization. May be repeated for credit. Fall, Spring.</td>
</tr>
<tr>
<td>PAD 5041</td>
<td>HPA-PUB</td>
<td>3(0,3)</td>
<td>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.</td>
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<tr>
<td>PAD 5060</td>
<td>HPA-PUB</td>
<td>3(0,3)</td>
<td>Administrative Practice in the Public Sector: The application of various theoretical concepts to the &quot;real world&quot; of public administration. Policy formulation and execution are examined through the case study mode. Occasional.</td>
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<tr>
<td>PAD 5145</td>
<td>HPA-PUB</td>
<td>3(0,3)</td>
<td>Volunteerism in Nonprofit Management: PR: Admission to Master of Nonprofit Management degree, Nonprofit certificate or C.I. Volunteer development in non-profit organizations, including board selection, development and recruitment, training, retention and theories of motivation, leadership, ethical issues. Fall, Spring.</td>
</tr>
<tr>
<td>PAD 5336</td>
<td>HPA-PUB</td>
<td>3(0,3)</td>
<td>Introduction to Urban Planning: Issues of urbanization, urban development, use and comprehensive planning, environmental planning, and social planning. Fall.</td>
</tr>
<tr>
<td>PAD 5337</td>
<td>HPA-PUB</td>
<td>3(0,3)</td>
<td>Urban Design: Planning techniques such as planned unit developments, capital improvements planning, and growth management, and planning methods, including needs assessment and graphic design. Fall.</td>
</tr>
<tr>
<td>PAD 5358</td>
<td>HPA-PUB</td>
<td>3(0,3)</td>
<td>Land Use and Planning Law: Review of local and federal aspects of the legal underpinnings of urban planning such as zoning, growth management, and environmental regulation. Spring.</td>
</tr>
<tr>
<td>PAD 5356</td>
<td>HPA-PUB</td>
<td>3(0,3)</td>
<td>Managing Community and Economic Development: PR: Graduate standing or C.I. Overview of economic development activities focusing on policy and managerial issues at the local level. Spring.</td>
</tr>
<tr>
<td>PAD 5425</td>
<td>HPA-PUB</td>
<td>3(0,3)</td>
<td>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.</td>
</tr>
<tr>
<td>PAD 5427</td>
<td>HPA-PUB</td>
<td>3(0,3)</td>
<td>Labor Relations in the Public Sector: Current trends and developments in employment relations in the public sector, especially employee organization, negotiation, and the collective bargaining process. Occasional.</td>
</tr>
<tr>
<td>PAD 5807</td>
<td>HPA-PUB</td>
<td>3(0,3)</td>
<td>Local Government Operations: Operational functions of municipal and county governments and the role of the chief executive officer. Occasional.</td>
</tr>
<tr>
<td>PAD 5850</td>
<td>HPA-PUB</td>
<td>3(0,3)</td>
<td>Grant and Contract Management: PR: Admission to the Master of Nonprofit Management degree, Nonprofit certificate 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.</td>
</tr>
<tr>
<td>PAF 2102</td>
<td>HPA-HPA</td>
<td>2(0,2)</td>
<td>Public Affairs Careers: Introduction and examination of public affairs programs of study and career opportunities that will prepare students for future careers. Fall.</td>
</tr>
<tr>
<td>PAF 3753H</td>
<td>HPA-HPA</td>
<td>3(3,0)</td>
<td>Honors Ethical Issues in Health and Public Affairs: PR: Permission of Honors and junior standing. Examination of ethical principles as applied to prokaryotes and eukaryotes. Fall.</td>
</tr>
<tr>
<td>PCB 3023</td>
<td>COS-BIOL</td>
<td>3(3,0)</td>
<td>Molecular Cell Biology: PR: BSC 2010C, CHM 2202, and PCB 3053, or C.I. Molecular structure and function of eukaryotic organelles. Transcription: RNA processing, translation and post translation targeting and modification of gene products. Fall, Odd Spring.</td>
</tr>
<tr>
<td>PCB 3024L</td>
<td>COS-BIOL</td>
<td>2(0,8)</td>
<td>Molecular Cell Biology Laboratory: PR: or CR: PCB 3023. Critical thinking, technical skills, and integration of biochemistry, molecular, and microscopic experimental approaches to understanding cell structure and function. Occasional.</td>
</tr>
<tr>
<td>PCB 3044</td>
<td>COS-BIOL</td>
<td>3(3,0)</td>
<td>Principles of Ecology: PR: BSC 2010C, BSC 2011C, and CHM 2046, or C.I. Elements of ecosystems, biogeochemical cycling, environmental factor interactions, population dynamics, and community development. Fall.</td>
</tr>
<tr>
<td>PCB 3044L</td>
<td>COS-BIOL</td>
<td>1(0,3)</td>
<td>Principles of Ecology Laboratory: PR: or CR: PCB 3044 or C.I. Field and laboratory investigations of natural ecosystems, with emphasis on current methodology in ecology. Fall, M&amp;S fee: $15.00</td>
</tr>
<tr>
<td>PCB 3063</td>
<td>COS-BIOL</td>
<td>3(3,0)</td>
<td>Genetics: PR: BSC 2010C and CHM 2046, or C.I. Basic principles of heredity as applied to prokaryotes and eukaryotes. Fall. Spring.</td>
</tr>
<tr>
<td>PCB 3063H</td>
<td>COS-BIOL</td>
<td>3(3,0)</td>
<td>Honors Genetics: PR: BSC 2010C and CHM 2046, or C.I. and consent of Honors. Basic principles of heredity as applied to prokaryotes and eukaryotes with honors content. Occasional.</td>
</tr>
<tr>
<td>PCB 3063L</td>
<td>COS-BIOL</td>
<td>1(0,3)</td>
<td>Genetics Laboratory: CR: PCB 3223. Introduction to laboratory techniques in ecology. Fall, Spring, M&amp;S fee: $28.00</td>
</tr>
<tr>
<td>PCB 3223</td>
<td>COM-M&amp;M</td>
<td>3(0,3)</td>
<td>Immunology: PR: BSC 2010C. Basic principles of immune reactions, antigen antibody interactions, cell mediated immunity, tumor immunity, and immunotherapy. Fall.</td>
</tr>
<tr>
<td>PCB 3253</td>
<td>COM-M&amp;M</td>
<td>1(0,3)</td>
<td>Immunology Laboratory: CR: PCB 3223. Introduction to laboratory techniques in immunology. Fall, Spring, M&amp;S fee: $45.00</td>
</tr>
<tr>
<td>PCB 3355C</td>
<td>COS-BIOL</td>
<td>2(1,1)</td>
<td>Tropical Marine Biology: PR: BSC 2010C and BSC 2011C or C.I. Intensive, one week field course at an institute of marine science. Diving/snorkeling will be used extensively to study organisms on pristine coral reefs. Occasional.</td>
</tr>
<tr>
<td>PCB 3342</td>
<td>COS-BIOL</td>
<td>3(3,0)</td>
<td>Florida Aquatic Ecology: PR: BSC 2010C and BSC 2011C, or C.I. An introduction to aquatic ecology of Florida with emphasis on ponds, lakes, streams, and rivers. Occasional.</td>
</tr>
<tr>
<td>PCB 3522</td>
<td>COM-M&amp;M</td>
<td>3(0,3)</td>
<td>Molecular Biology I: PR: CHM 2211 and MCB 3020C or C.I. The general principles governing the structure and function of both procaryotic and eukaryotic cells. Fall, Spring.</td>
</tr>
<tr>
<td>PCB 3703C</td>
<td>COS-BIOL</td>
<td>4(3,3)</td>
<td>Human Physiology: PR: BSC 2010C, CHM 1032 or CHM 2045C. The physiology and interrelationships of organ systems of the human body. Fall, Spring. M&amp;S fee: $35.00</td>
</tr>
<tr>
<td>Course Code</td>
<td>Department</td>
<td>Title</td>
<td>Credits</td>
</tr>
<tr>
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</tr>
<tr>
<td>PCB 3703H</td>
<td>COM-M&amp;M</td>
<td>Human Physiology Honors: PR: BSC 2010C, CHM 2046, or Consent of College. The physiological and interrelationships of organ systems of the human body. With honors level content. Fall.</td>
<td>4(3,3)</td>
</tr>
<tr>
<td>PCB 4028</td>
<td>COM-M&amp;M</td>
<td>Molecular and Cellular Pharmacology: PR: PCB 3522. The cellular and molecular events that lead to disease states and the molecular basis of agents that modulate these processes will be covered. Spring.</td>
<td>3(0,0)</td>
</tr>
<tr>
<td>PCB 4174</td>
<td>COM-M&amp;M</td>
<td>Foundation of Bio-Imaging Science: PR: BSC 2010C, CHM 2045C, CHM 2210, MAC 2311, PHY 2049. Fundamental theory, design, and practice of modern bio-imaging techniques applicable for basic biomedical research. Occasional.</td>
<td>3(0,0)</td>
</tr>
<tr>
<td>PCB 4235</td>
<td>COM-M&amp;M</td>
<td>Cancer Biology: PR: PCB 3522 or PCB 3023. Current knowledge and research on molecular mechanism of tumor development, tumor progression, metastasis and therapy of cancer. Occasional.</td>
<td>3(0,0)</td>
</tr>
<tr>
<td>PCB 4239</td>
<td>COM-M&amp;M</td>
<td>Molecular Immunology: PR: PCB 3522. Advanced understanding of the workings of the immune system, correlating cellular and molecular mechanisms with clinical cases. Spring.</td>
<td>3(0,0)</td>
</tr>
<tr>
<td>PCB 4251</td>
<td>COM-M&amp;M</td>
<td>Tissue Engineering: PR: MCB 3020C or CHM 2045C. Tissue engineering with a special emphasis on the current status of the field, on novel methods and on cellular-biomaterial interactions. Occasional.</td>
<td>4(0,0)</td>
</tr>
<tr>
<td>PCB 4264</td>
<td>COM-M&amp;M</td>
<td>Stem Cell Biology: PR: PCB 3522 or PCB 3023. Introduction to embryonic and adult stem cells, procedures to isolate them, principles and applications of stem cells in animal and human diseases. Occasional.</td>
<td>3(0,0)</td>
</tr>
<tr>
<td>PCB 4302C</td>
<td>COS-BIOL</td>
<td>Physiochemical Limnology: PR: BSC 2010C and BSC 2011C, or C.I. Limnology and methods for freshwater ecology, with respect to physical, and chemical parameters. Occasional. M&amp;S fee: $15.00</td>
<td>4(3,4)</td>
</tr>
<tr>
<td>PCB 4303C</td>
<td>COS-BIOL</td>
<td>Biological Limnology: PR: BSC 2010C and BSC 2011C, or C.I. Biological communities in freshwater lakes and streams. Occasional. M&amp;S fee: $20.00</td>
<td>3(0,0)</td>
</tr>
<tr>
<td>PCB 4353</td>
<td>COS-BIOL</td>
<td>Florida Natural History: PR: BSC 2010C and BSC 2011C, or C.I. Florida’s ecology, past and present flora and fauna, and naturalists who visited the state. Occasional.</td>
<td>3(0,0)</td>
</tr>
<tr>
<td>PCB 4514</td>
<td>COS-BIOL</td>
<td>Genetics II: PR: PCB 3063. Advanced topics in Genetics, including extra-nuclear inheritance, epigenesis, gene and chromosome mutation, genetics of development and behavior, and advanced genetic analytical techniques. Occasional.</td>
<td>3(0,0)</td>
</tr>
<tr>
<td>PCB 4524</td>
<td>COM-M&amp;M</td>
<td>Molecular Biology II: PR: PCB 3522. The processes regulating gene function in procaroytes and eucaryotes; specialized genetic aspects underlying multi-cellular existence. DNA evolution. Spring.</td>
<td>3(0,0)</td>
</tr>
<tr>
<td>PCB 4524H</td>
<td>COM-M&amp;M</td>
<td>Molecular Biology II-Honors: PR: Permission of Honors and PCB 3522. Same as PCB 4524 with honors level content. Spring.</td>
<td>3(0,0)</td>
</tr>
<tr>
<td>PCB 4529</td>
<td>COM-M&amp;M</td>
<td>Experimental Molecular Biology: PR: PCB 3522, OR: PCB 4224. Facilitation of experimental data that leads to the development and understanding of the underlying principles of molecular biology. Spring.</td>
<td>3(0,0)</td>
</tr>
<tr>
<td>PCB 4663</td>
<td>COM-M&amp;M</td>
<td>Human Genetics: PR: PCB 3522 or PCB 3023. Topics include the principles of genetics as applied in humans, human hereditary disorders, and the impact of genetics and technology on medicine and medical practices. Spring.</td>
<td>3(0,0)</td>
</tr>
</tbody>
</table>
UCF Courses and Descriptions

**PET 2650** ED-CFCS  (2,1) Body Development: An in-depth study of individual physical (musculo-skeletal, neuromuscular, cardiorespiratory) fitness. Emphasis on individual diagnosis, principles, procedures, and conduct of related exercise programs. Fall, Even Spring.

**PEM 2101** ED-CFCS  (2,1) Personal Fitness: Study of personal fitness concepts, with opportunities to develop an individual, optimal level of fitness and an improved lifestyle through high-level wellness. Fall, Spring.

**PEM 2104** ED-CFCS  (3,2) Yoga: Performance and application of a series of basic movement, breathing, and concentration techniques designed to enhance body awareness, flexibility, strength, and balance, and to allow the mind to be focused and centered. Fall, Spring. M&S fee: $3.00.

**PET 2084** ED-CFCS  (3,0) Introduction to Sport and Fitness: An introduction to sport and fitness industry professions with emphasis in fitness, recreation, physical activity, and human performance. Occasional.

**PET 2622C** ED-CFCS  (3,2) Human Injuries: PR: C.I. Prevention, identification, care, and rehabilitation of human injuries. Fall, Spring.

**PET 3125** ED-CFCS  (3,0) Fitness and Weight Management: PR: Admission to Sport and Fitness Program and ZOO 3736C, PET 4125 or PET 4550 (all required); or C.I. Provides current and future professionals with the requisite knowledge of fitness and weight management research, theories, and practice. Fall, Spring.

**PET 3137** ED-CFCS  (3,0) Concepts & Practices in Sport and Fitness: PR: Admission to the Sport and Fitness program or C.I. Examination of concepts and practices in sport and fitness. Fall, Spring.


**PET 3392C** HPA-HP  (3,2) Lower Extremity Function and Measurement: PR: ZOO 3736C or ZOO 3736C. Lower extremity functional anatomy, manual muscle testing and goniometry. Fall.


**PET 3361** ED-CFCS  (3,0) Nutrition for Sport and Fitness: PR: Admission to Sport and Fitness program and ZOO 3736C; or C.I. Study of nutrition with focus on the strategies designed to meet nutrient demands for physical activity, exercise, and athletic performance in sport and fitness. Fall, Spring.

**PET 3362** HPA-HP  (3,2) Physiologic & Metabolic Basis of Human Movement & Performance: PR: Admission to Health Sciences - Athletic Training Track. Exercise physiology, diet & nutrition, and performance & injury, each focusing on the key elements for the application of athletic training principles. Fall.

**PET 3363** HPA-HP  (2,2) Recognition and Evaluation of Athletic Injuries I: PR: PET 3262. Recognition and evaluation skills required to perform an injury/illness assessment of the lower extremity and spine and provide immediate management. Fall.

**PET 3367** HPA-HP  (3,0) Principles of Athletic Training: PR: ZOO 3736C or ZOO 3736C and PCB 3736C. Junior standing; open to all CPHE majors. Athletic training principles including injury recognition, emergency care, bloodborne pathogens, rehabilitation and prevention. Fall. M&S fee: $15.00.

**PET 3623C** HPA-HP  (2,2) Clinical Skills for Athletic Trainers I: PR: ZOO 3736C or ZOO 3736C. Junior standing; open to all CPHE majors. Clinical skills including functional knowledge of muscle, tendon, and ligament anatomy; advanced taping and bracing skills; and clinical assessment skills. Fall. M&S fee: $30.81.
PET 3670L HPA-HP 4(0.16)
Practicum in Athletic Training I: PR: PET 3620.
Clinical instruction in athletic training site under direct supervision of a certified athletic trainer. Fall, Spring.

PET 3671L HPA-HP 4(0.16)
Practicum in Athletic Training II: PR: PET 3670L.
Continuation of clinical practicum under direct supervision of certified athletic trainer. Fall, Spring.

PET 3740C ED-CFCS 2(1,1)
Teaching Physical Education in the Secondary School (6-12): PR: Admission to Junior Block, or C.I. Curricular and instructional considerations for teaching secondary and middle school physical education. Occasional.

PET 3765 ED-CFCS 3(3,0)
Coaching Theory: PR: Admitted to COE or C.I. Theories of coaching team and individual sports. Fall, Spring.

PET 3768 ED-CFCS 3(3,0)
Group Exercise Instruction: PR: Admission to Sport and Fitness program, ZOO 3736C, PET 4550, PET 4312 (all required); or C.I. An in-depth study into group exercise instruction and fitness related concepts. Fall, Spring.

PET 3773 ED-CFCS 3(3,0)
Strength and Conditioning Concepts: PR: Admission to Sport and Fitness program, ZOO 3736C, PET 4215, PET 4550, PET 4312 (all required); or C.I. Integration of advanced components of muscular strength training and endurance conditioning for the sports and fitness professional. Fall.

PET 3820 ED-CFCS 3(2,1)
Teaching Sports Skills I: PR: PE 2001 or PEO 2031. Skill proficiency and knowledge to plan, implement and evaluate sports and leisure activities in physical education programs. Occasional.

PET 3940 ED-CFCS 3(3,0)
Internship I Physical Education: PR: EDG 4323; CR: PET 3930. Student teaching in a physical education program under the supervision of a certified classroom teacher. Occasional.

PET 3941 ED-CFCS 3(0.16)

PET 4002 ED-CFCS 3(1,2)
Outdoor and Leisure Activities: Study of contemporary outdoor and leisure activities. Course will include but not be limited to the "adventure activity curriculum," camping, water activities, fishing, orienteering, and hiking. Occasional.

PET 4050C ED-CFCS 3(2,1)
Motor Development and Learning: PR: PE Junior standing. An analysis of the theories and factors influencing the motor development of children and the learning of gross and fine motor skills. Fall, Spring.

PET 4083 ED-CFCS 3(3,0)
Personal Training Methods: PR: Admission to Sport and Fitness program, ZOO 3736C, PET 4550, PET 4312 (all required); or C.I. An in-depth study into personal training and fitness related concepts. Spring.

PET 4088 ED-CFCS 3(3,0)
Physical Activity & Preventive Medicine: PR: ZOO 3730C or C.I. Critique and analysis of evidence that exercise training can prevent some diseases and increase quality of life. Occasional.

PET 4215 ED-CFCS 3(3,0)
Motivational Aspects of Athletic Performance: PR: Coaching minor or C.I. Theories of attitude, motivation, effort, persistence, mental focus, visualization, and an exploration of techniques to enhance athlete performance. Fall, Spring.

PET 4312 ED-CFCS 3(2,1)
Biomechanics: PR: Anatomy. The comprehension and application of anatomical and mechanical principles involved in human movement. Fall.

PET 4315C HPA-HP 3(2,2)

PET 4351C ED-CFCS 3(2,1)
Applied Exercise and Human Physiology: PR: ZOO 3733C, ZOO 3736C or appropriate human anatomy course. Metabolic, neuromuscular, respiratory and cardiovascular physiological concepts and principles with practical application to physical education and sport. Fall, Spring.

PET 4401 ED-CFCS 3(3,0)
Administration and Evaluation in Sport and Fitness: PR: Admission to Sport and Fitness program or C.I. Addressing administrative, measurement and evaluation aspects of Sport and Fitness programs. Fall, Spring.

PET 4550 ED-CFCS 3(2,1)

PET 4603C HPA-HP 3(2,2)
Introduction to Athletic Training: PR: Athletic Training majors only or C.I. Basic athletic training skills including emergency care, taping and wrapping, goniometry, and manual muscle testing. Occasional. M&S fee: $33.50.

PET 4606 HPA-HP 3(3,0)
Applied Fitness in Sport: PR: ZOO 3733C or ZOO 3736C and PCB 3703C. Junior standing; Open to all COHPA majors. Appreciation and clinical application of fitness regarding athletics. Fall, Spring.

PET 4624C HPA-HP 3(2,2)
Recognition and Evaluation of Athletic Injuries II: PR: PET 3620. Recognition and evaluation skills required to perform an injury/fitness assessment of the upper extremity, head and neck, and general medical conditions and provide immediate management. Spring.

PET 4625 ED-CFCS 3(3,0)
Human Injuries: Mechanisms & Prevention: PR: Admission to Sport and Fitness program, PET 2622C and ZOO 3736C, PET 4312 (all required); or C.I. Study of human movement and analysis of techniques for the prevention and treatment of human injuries associated with sport and fitness. Fall, Spring.

PET 4630C HPA-HP 4(2,4)
Therapeutic Exercise in Athletic Training: PR: PET 3623C. Rehabilitation processes regarding exercise progression for the athletic population. Occasional.

PET 4632C ED-CFCS 3(2,2)

PET 4636C HPA-HP 3(1,2)
Advanced Rehabilitation in Athletic Training: PR: Athletic Training majors only. PET 4630C or C.I. Advanced knowledge, skills, and techniques that the certified athletic trainer must perform during rehabilitation of injuries. Fall.

PET 4640 ED-CFCS 3(3,0)
Adapted Physical Education: Principles and methods of adapting physical education activities and programs for exceptional children and adults; mainstreaming rationale and methods analyzed. Spring.

PET 4660C HPA-HP 3(3,0)
Organization and Administration of Athletic Training: PR: PET 3671L. Administrative knowledge in the athletic training profession. Fall.

PET 4672L HPA-HP 4(0.16)
Practicum in Athletic Training III: PR: PET 4670L. Advanced clinical internship with increased responsibilities under the supervision of a certified athletic trainer. Fall, Spring.

PET 4673L HPA-HP 4(0.16)
Practicum in Athletic Training IV: PR: PET 4672C. Advanced clinical internship with increased responsibilities under the supervision of a certified athletic trainer. Fall, Spring.

PET 4674 HPA-HP 1(1,0)

PET 4710 ED-CFCS 3(3,0)
Methods for Physical Activity for Children and Adolescents: PR: Admission to the College of Education or Sport and Fitness program, or C.I. Develop effective instructional strategies through planning, teaching, and assessment. Curricular and instructional considerations for physical activity in children and adolescents. Fall, Spring.

PET 4724 ED-CFCS 3(3,0)
Development and History of Physical Education Curriculum: A study of the factors involved in curriculum development and historical and philosophical considerations of physical education programs. Occasional.

PET 4763 ED-CFCS 3(3,0)
Coaching Methods And Principles: PR: Junior standing. Coaching minor or C.I. Assist students in understanding and conceptually integrating teaching methods/ coaching strategies with emphasis given to conditioning and leadership styles. Occasional.

PET 4823C ED-CFCS 3(2,1)
Teaching Sports Skills II: PR: PET 3820. Skill proficiency and knowledge to plan, implement and evaluate sports skills. Odd Fall, Even Spring.

PET 4925 ED-CFCS 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.

PET 4926 ED-CFCS 12(0,35)
Sport and Fitness Practicum II: PR: Sport and Fitness Practicum I and not Juniors. Field experience in a sport and fitness related organization, association, or business. Graded S/U. Fall, Spring.

PET 4943 ED-CFCS 12(0,35)
Internship II: PR: Must have completed course work in specialization. Satisfactory completion of the portfolio. Full time student teaching under a certified elementary or secondary physical education teacher. Graded S/U. May be repeated for credit. Occasional.

PET 4945 ED-CFCS 12(0,35)
Internship II: PR: Must have completed course work in specialization. Satisfactory completion of portfolio. Full time student teaching under a certified elementary or secondary physical education teacher. Occasional.

PET 5216 ED-CFCS 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, perseverance, adherence and compliance, measurement and evaluation, and other related topics of interest. Occasional.

PET 5355 ED-CFCS 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, neuromuscular, cardiovascular, and respiratory systems during exercise. Emphasis on understanding principles of exercise applications and applying these principles to fitness/wellness settings. Occasional.

PET 5495 ED-CFCS 3(3,0)
Critical Issues: Ethics in Coaching and Sport: PR: Graduate standing or C.I. Specializes in coaching sport leadership, ethical, and developing philosophy, values, and moral reasoning skills. Occasional.

PET 5635 ED-CFCS 3(3,0)
Advanced Human Injuries: PR: PET 2622C or C.I. The application of medical knowledge to sport with the emphasis on preserving the health of an athlete before, during and after performance. Occasional.
PET 5766
ED-CFCS

PET 5931
ED-CFCS
Current Issues and Trends in Physical Education and Sport: PR: Admission to the Physical Education graduate program or C.I. Examination of the current issues and trends encountered by professionals in physical education and sport. Occasional.

PGY 2401C
CAH-ART
Beginning Photography: PR: ART 2201C. ART 2300C or C.I. Introduction to photography with an art emphasis. Fall. M&S fee: $45.00

PGY 3002
CAH-ART
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-ART
Photographic Lighting Techniques: PR: PGY 2107, PGY 2215 or C.I. Advanced lighting techniques in both the studio and on location, with projects in the editorial, advertising, or fine art genres. Occasional. M&S fee: $45.00

PGY 3276
CAH-ART
The Professional Environment: PR: PGY 3002 or C.I. Concepts necessary for operation of a photography studio. Includes legal, ethical issues, marketing, self-promotion strategies; funding opportunities; professional development; and professional presentation. Occasional.

PGY 3410C
CAH-ART

PGY 3451C
CAH-ART
Advanced Literary Techniques: PR: PGY 4472C or C.I. 19th century photographic practices with related contemporary non-traditional methods of image creation and presentation. Occasional. M&S fee: $45.00

PGY 3480
CAH-ART

PGY 3610C
COS-COMM
Photography I: PR: Journalism majors only. Black and white shooting and processing, dark room and computer-based newspaper assignments. 35mm SLR camera with manual mode required. Fall, Spring. M&S fee: $45.00

PGY 3620C
COS-COMM

PGY 3630
COS-COMM
Photography III: PR: PGY 3620C. Photography Editing, Assignment selection, picture and copy editing, cropping, cropping, picture desk management, and ethics of photojournalism, and the new technological advances. Occasional. M&S fee: $11.00

PGY 3651C
CAH-ART
Narrative Editorial Photography: PR: PGY 2665. Editorial Photography or C.I. Emphasis in narrative, documentary, and editorial form. Research, story, text, and visual style will be addressed. Fall. M&S fee: $45.00

PGY 3653C
CAH-ART
Advanced Editorial Photography: PR: PGY 3651C. Exploration of imagery created to illustrate articles, including stilllife, portrait, documentary, and/or fashion photography. Emphasis on the creation of multiple or consecutive images. Spring. M&S fee: $45.00

PGY 3703C
CAH-ART
Photography and Web Design: PR: PGY 3821C or C.I. Introduction to photography and design; 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-ART
Video Editing: PR: PGY 3021C or C.I. Creation of video narratives using the digital environment. Occasional.

PGY 3821C
CAH-ART
Advanced Digital Photography: PR: PGY 2401C or C.I. Current digital imaging software and its application to contemporary work. Occasional. M&S fee: $45.00

PGY 4003
CAH-ART
Image, Culture, and Society: PR: PGY 3002 or C.I. The role of the media and media imagery in culture and society. Occasional.

PGY 4228C
CAH-ART
Advanced Illustrative Photography I: PR: PGY 3205C or C.I. Various approaches of photographic illustration, including lighting, historical and contemporaryissues, style, presentation, and social concerns. Occasional. M&S fee: $45.00

PR: PGY 3821C or C.I. Creation of photographs related to the expressive issues and ideas found in historical and contemporary imagery. Fall. M&S fee: $45.00

PR: PGY 2401C or C.I. Creative, logistical, and technical processes producing historic and contemporary photographic works. May be repeated for credit. Fall, Spring. M&S fee: $45.00

PGY 4440C
CAH-ART
Special Problems in Photography: PR: ART 2201C, ART 2230C, ART 2300C, ART 2410C. and a satisfactory portfolio review or C.I. Or, admission to the Photography Program. Advanced photography skills and portfolio development. Designed for art majors. May be repeated for credit. Fall, Spring. M&S fee: $45.00

PGY 4471
CAH-ART
Photography Thesis: PR: PGY 3276. The Professional Environment becomes a co-requisite. Course has been moved to the senior fall semester to the senior spring semester which is the same term this course is offered. Senior thesis project culminating in a public exhibition or senior thesis. Occasional. M&S fee: $20.00

PGY 4472C
CAH-ART
Photo Visualization: PR: PGY 2655, PGY 2216 or C.I. Analysis of visual problems with an emphasis on communicating and applying a theoretical language to photographic imagery. Occasional. M&S fee: $45.00

PGY 4493C
CAH-ART
Photography and Art: PR: PGY 4472C, 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: $45.00

PGY 5108C
CAH-ART
Advanced Techniques and Concepts in Photography: PR: PGY 2410C, PGY 3400C 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. M&S fee: $45.00

PHI 3041
CAH-PHIL
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.

PHI 3100
CAH-PHIL
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, Socrates, Plato, Aristotle. Occasional.

PHI 3200
CAH-PHIL
Medieval Philosophy: PR: PHI 2010 or C.I. The influence of Greek philosophical thought in medieval Muslim, Jewish, and Christian philosophy was expressed in its main problems and representative thinkers. Occasional.

PHI 3460
CAH-PHIL
Modern Western Philosophy: PR: PHI 2010. Major western philosophers and philosophical movements from Descartes to Nietzsche. Even Fall.

PHI 3510
CAH-PHIL
Marx and Nietzsche: PR: Junior standing. The philosophies of Marx and Nietzsche, important in outlook and emphasis, the significance of their respective critiques of society, the implications of their contrasting viewpoints for understanding human life, the philosophical and ideological influences of their work, and their contemporaneous relevance. Occasional.

PHI 3600
CAH-PHIL
Contemporary Philosophy: PR: PHI 2010 or C.I. Recent and current trends in philosophy, including philosophical analysis, phenomenology, post-structuralism, andliberation philosophies. Occasional.

PHI 3700
CAH-PHIL
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.

PHI 3701
CAH-PHIL
Native American Philosophy: PR: PHI 2010 or C.I. Academic Native American philosophy in epistemology, political philosophy and environmental studies. Even Fall.

PHI 2010
CAH-PHIL
Introduction to Philosophy: PR: Permission of Honors. Same as PHI 2010 with honors-level content. Fall.

PHI 2011
CAH-PHIL

PHI 2101
CAH-PHIL
Formal Logic I: A study of sentence and predicate logics, with introduction to modal, epistemic, deontic, multi-valued, and indeterminate logics. Occasional.

PHI 2108
CAH-PHIL
Critical Thinking: The logic of conversation, informal fallacies, and reasoning about human action. Occasional.

PHI 2630
CAH-PHIL
Ethics: An examination of the nature of moral problems, judgments and principles, with an emphasis on recent formulations in ethical theory. Occasional.

PHI 2647
CAH-PHIL
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 3022
CAH-PHIL
Sexuality, Gender & Philosophy: PR: WST 3015, PHI 2010, PHM 3123, or C.I. Examines the contributions of poststructuralist and neuroscience theories to cultural issues in sexuality and gender. Even Spring.
PHI 5328 CAH-PHIL 3(3,0) Philosophies of Embodiment: PR: Admission to graduate certificate program in Cognitive Sciences or C.I. Relations among mind, body, and nature. Knowledge of self, world, and others as articulated by Western philosophy, with special emphasis on embodied cognition. Occasional.

PHI 5329 CAH-PHIL 3(3,0) Philosophy of Neuroscience: PR: Admission to graduate certificate program in Cognitive Sciences or C.I. Neurophilosophy, including discussion of promises and limitations of neuroscience for understanding of the mind. Occasional.

PHI 5340 CAH-PHIL 3(3,0) 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.

PHI 5627 CAH-PHIL 3(3,0) Theoretical and Applied Ethics: PR: Senior undergraduate standing and at least one of the following: PHI 3670, PHI 3638, or graduate standing or C.I. A seminar in theoretical and applied ethics with emphasis on application in professional fields. Variable content. Fall.

PHI 5634 CAH-PHIL 3(3,0) Medical Ethics: PR: Graduate standing or C.I. Ethics for practitioners of clinical medicine, health care delivery and medical research. Fall.

PHI 5665 CAH-PHIL 3(3,0) Knowledge, Responsibility, and Society: PR: Senior undergraduate standing and at least one of the following: PHI 3670, PHI 3638, PHI 4300, PHI 4341, PHI 4400, PHI 4631, or Graduate standing. A seminar exploring the relationship between ethics and epistemology with application to social concerns. Variable content. Occasional.

PHI 5683 CAH-PHIL 3(3,0) 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.

PHM 3020 CAH-PHIL 3(3,0) Philosophy of Love: PR: Junior standing and PHI 2630, or C.I. A critical investigation of the meaning and significance of various kinds of love from a variety of philosophical perspectives. Spring.

PHM 3100 CAH-PHIL 3(3,0) Freedom and Justice: PR: Junior standing or PHI 2630 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.

PHM 3123 CAH-PHIL 3(3,0) Feminist Theories: PR: ENC 1102. Contemporary issues and perspectives in feminist theory and their relation to divergent feminist practices. Even Fall.

PHM 3401 CAH-PHIL 3(3,0) 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.

PHM 4031 CAH-PHIL 3(3,0) Environmental Philosophy: PR: PHI 3640, PHI 2630, or C.I. Major contemporary positions in environmental philosophy, including deep ecology, ecofeminism, and social ecology. Occasional.

PHM 5035 CAH-PHIL 3(3,0) 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.

PHYSICS

PH 2048C COS-PHYS 3(3,2) Physics for Engineers & Scientists I: PR: MAC 2311 or equivalent. Mechanics, Thermodynamics, Fluids. Fall, Spring. M&S fee: $15.00

PH 2048H COS-PHYS 3(3,0) Honors Physics for Engineers and Scientists I: PR: Permission of Honors and PHY 2048C or PHY 2048H. Electricity, magnetism, optics. Fall, Spring. M&S fee: $15.00

PH 2049H COS-PHYS 3(3,0) Honors Physics Laboratory for Engineers and Scientists II: PR: PHY 2049H and permission of Honors. Laboratory experiments covering selected topics in physics related to PHY 2049H. Occasional.

PH 2049H COS-PHYS 3(3,0) Honors Physics for Engineers and Scientists II: PR: Permission of Honors and PHY 2049C, MAC 2312. Same as PHY 2049C with honors-level content. Occasional.

PHYSICS

PH 2053C COS-PHYS 4(3,3) College Physics I: PR: MAC 1105 and MAC 1114 or equivalent or C.I. Mechanics, waves, thermodynamics. Fall, Spring. M&S fee: $15.00

PHYSICS

PH 2054C COS-PHYS 4(3,3) College Physics II: PR: PHY 2053C. Fluids, electricity and magnetism, optics, x-rays, radioactivity. Fall, Spring. M&S fee: $15.00

PHYSICS


PHYSICS

PH 2100 COS-PHYS 0(0,1.5) Physics Today: CR: PHY 2048C or PHY 2049C. Fundamental physics principles behind recent developments in physics research will be presented in a seminar format. May be repeated. Occasional.

PHYSICS

PH 3101 COS-PHYS 3(3,0) Physics for Engineers and Scientists III: PR: MAC 3133 and PHY 2049C or PHY 2049H. Thermodynamics, oscillations, modern physics. Fall, Spring.

PHYSICS

PH 3101H COS-PHYS 3(3,0) Honors Physics for Engineers and Scientists III: PR: Permission of Honors and PHY 2049C or PHY 2049H. Same as PHY 3101 with honors-level content. Occasional.

PHYSICS

PH 3220 COS-PHYS 3(3,0) Mechanics I: PR: PHY 2048C or PHY 2049H, MATH 2302. Particle dynamics, rigid bodies, Lagrangian formulation of mechanics, Hamilton’s equations. Spring.

PHYSICS

PH 3323 COS-PHYS 3(3,0) Electricity and Magnetism I: PR: PHY 2048C or MATH 2302. Electric, magnetic, electromagnetic, Lorentz force current electricity, Maxwell’s equations. Fall.

PHYSICS

PH 3513 COS-PHYS 3(3,0) Thermodynamics and Statistical Physics: PR: PHY 3101, MATH 2302 or C.I. Thermodynamics, kinetic theory, elements of statistical mechanics. Fall.

PHYSICS

PH 3722C COS-PHYS 3(1,5) Physics Laboratory-Electronics: PR: PHY 2048C. State-of-the-art electronics, transducers, operational amplifiers, phase sensitive circuits, active filters. Occasional. M&S fee: $15.00

PHYSICS


PHYSICS

PH 3802L COS-PHYS 3(1,5) Interdisciplinary Physics Laboratory: PR: PHY 3101 or C.I. Laboratory work in basic measurements of physical constants; experiments in electronics, modern physics, nuclear physics, optics, and solid state physics. May be repeated for credit. Fall, Spring.

PHYSICS

PH 3920 COS-PHYS 1(1,0) 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, Spring.

PHYSICS

PH 4234 COS-PHYS 3(3,0) Electricity and Magnetism II: PR: PHY 3322. Dielectrics, magnetic materials, electromagnetic waves, reflection, complex impedance, static solutions to Laplace’s Equation, radiation from an accelerated charge and antenna, special relativity. Spring.
PHY 5466C COS-PHYS 1(0.5,1.5) Wave Motion for Teachers: PR: Graduate status or senior standing or C.I. Waves, sound, and vibrations. Optional.

PHY 5500C COS-PHYS 1(0.5,1.5) Thermal Physics for Teachers: PR: Graduate status or senior standing or C.I. Nuclear and Particle Physics. Optional.

PHY 5524 COS-PHYS 3(3.0) Statistical Physics: PR: PHY 3513, 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. Optional.

PHY 5606 COS-PHYS 3(3.0) Quantum Mechanics I: PR: PHY 4605, and graduate status or senior standing or C.I. Basic postulates of quantum mechanics, operators, eigenvalues, parity, potential wells, harmonic oscillator, time dependent and time independent Schrodinger equation, matrix formulation, and time independent perturbation theory. Optional.

PHY 5650 COS-PHYS 3(3.0) Introduction to Quantum Computation: PR: C.I. Theoretical fundamentals and physical implementations of quantum computation for science and engineering students. Optional.

PHY 5704 COS-PHYS 3(3.0) Physics of Nanoelectronics Devices: PR: Graduate standing or C.I. Fabrication techniques of nanoscale electronic devices and understanding of their charge transport properties. Odd Fall.

PHY 5705 COS-PHYS 1(1,0) Physical Basis of Life: PR: PHY 4401 or equivalent, or C.I. Advanced topics in carbon nanotubes and graphene sheets by presentation and discussion of current literature. Odd Fall.

PHY 5715 COS-PHYS 3(3.0) Physical Basis of Life: PR: Graduate standing or C.I. Molecular and physical principles and origin of life, physical and chemical interpretation of life processes. Fall.

PHY 5817L COS-PHYS 1(0.3) Building Physics Apparatus: PR: Graduate standing or C.I. Hands-on shop course. Focus will be on machine shop practice with possible extension to printed circuit boards and glass work. Occasional. M&F fee: $45.00

PHY 5846C COS-PHYS 3(3.3) Methods of Experimental Physics: PR: Graduate status or senior standing or C.I. Introduction to methods of experimental physics, including instrumental design, data acquisition, vacuum, cryogenics, sample preparation, nuclear physics, transport, and spectroscopy. Fall.

PHY 5933 COS-PHYS 3(3.0) Selected topics in biophysics of macromolecules: PR: PHY 3101, CHM 2046, and graduate status or senior standing or C.I. Physical concepts and techniques used in the spectroscopic study of dynamic structure and function of biological macromolecules such as proteins; Connections with other complex systems. May be repeated for credit. Occasional.

PHY 5933 COS-PHYS 3(3.0) Introduction to Theoretical Methods of Physics: PR: MAP 2302. Analytical techniques to solve problems of physics. Spring.


PHY 3422 COS-PHYS 3(3.0) Nanophysics: PR: PHY 3101 or C.I. Physical phenomena occurring in nanometer-length scale, including nano collars, and nano transport. Occasional.


PHY 4390 COS-PHYS 3(3.0) Nuclear and Particle Physics: PR: PHY 4605 or C.I. The properties of the nucleus and the fundamental particles and how the universe is built from particles. Occasional.


PHY 4434 COS-PHYS 3(3.0) Nanoscale Surface Physics: PR: PHY 3101 or C.I. Physical and chemical properties of nanoscale surfaces. Even Fall.

PHY 5156 COS-PHYS 3(3.0) Computational Physics: PR: PHY 3151 or C.I. Computational methods applied to the solution of problems in many branches of physics. May be repeated for credit. Fall.

PHY 5304 COS-PHYS 3(3.0) Nuclear and Particle Physics: PR: PHY 4604 or equivalent, and graduate status or senior standing or C.I. Particles and nucleons, symmetries and conservation laws, interactions, models. Occasional.

PHY 5405 COS-PHYS 3(3.0) Condensed Matter Physics: PR: PHY 4604, PHY 3101, and graduate status or senior standing or C.I. Crystal lattice structure, phonons, free electron model, band theory of solids, Fermi surface, solid state applications, and polymers. Occasional.

PHY 5425C COS-PHYS 3(3.0) Electron Solid Interactions: PR: Undergraduate senior or graduate status or C.I. The physics and applications of electron interactions with solids. Classroom and hands-on laboratory content. Occasional.


PHY 5437 COS-PHYS 3(3.0) Nanoscale Surface Physics: PR: Undergraduate Quantum Mechanics at the level of PHY 4604 or C.I. Overview of physical and chemical properties of nanoscale surfaces. Occasional.

PHY 5505 COS-PHYS 3(3.0) Plasma Physics: PR: PHY 4324, and graduate status or senior standing or C.I. Introduction to theory and experimental basis of both weakly and highly ionized plasmas. Instabilities, plasma waves, nonlinear effects, controlled thermonuclear fusion. Occasional.

PHY 5600 COS-PHYS 1(1,0) Special Relativity for Teachers: PR: Graduate status or senior standing or C.I. Length contraction, simultaneity, conservation of mass-energy, conservation of momentum, Compton scattering. Occasional.

PLA 3014 HPA-CJ/L 3(3,0) Law and the Legal System: A survey course designed to familiarize the student with the American legal system, ethical considerations, terminology, legal reasoning, and the role of the legal assistant. Fall, Spring.

PLA 3108 HPA-CJ/L 3(3,0) Legal Research: PR: PLA 3104 or C.I. A study of the various research tools used in legal investigation and the methods used to conduct legal research. Fall, Spring.

PLA 3115 HPA-CJ/L 3(3,0) Legal Writing: PR: PLA 3108. A study of legal writing format and technique, and the preparation of memoranda and other legal documents, using research skills learned in PLA 3108. Fall, Spring.

PLA 3205 HPA-CJ/L 3(3,0) Civil Practice and Procedure: PR: PLA 3104 or C.I. The student becomes familiar with the Florida civil procedure before trial and acquires the ability to prepare basic pleadings. Fall, Spring.

PLA 3205H HPA-CJ/L 3(3,0) Civil practice and Procedure - Honors: PR: PLA 3104 or C.I. Theories governing liability for civil injuries not arising from contractual obligations; systems and procedures used in preparation, trial and appeal of Torts cases. Fall, Spring.

PLA 3277 HPA-CJ/L 3(3,0) The Law of Torts: PR: PLA 3104 or C.I. Theories governing liability for civil injuries not arising from contractual obligations; systems and procedures used in preparation, trial and appeal of Torts cases. Fall, Spring.

PLA 3306 HPA-CJ/L 3(3,0) Legal Issues in the Elderly: PR: PLA 3014. Legal concerns faced by older Americans as they plan their later years and seek to maximize their personal autonomy. Occasional.

PLA 3309 HPA-CJ/L 3(3,0) Criminal Procedure: PR: PLA 3104 or C.I. Rules of criminal procedure, with emphasis on Florida rules, including right to counsel, bail, search and seizure, arrest, identification, trial, and post-trial proceedings. Fall, Spring.

PLA 3615 HPA-CJ/L 3(3,0) Property and Real Estate Law: PR: PLA 4190 or C.I. Study of the law of real and personal property; real estate transactions and conveyances; closing procedures and title problems. Fall, Spring.

PLA 4202 HPA-CJ/L 3(3,0) Law and Society: Examination of the relationship between law and American society including the impact on the legal system and legal profession of major social movements. Occasional.

PLA 4226 HPA-CJ/L 3(3,0) Advanced Trial Advocacy: PR: PLA 4190 or C.I. Litigation and trials at an advanced level; students must handle trial from beginning to end. May be repeated for credit. Occasional.

PLA 4240 HPA-CJ/L 3(3,0) Negotiation Alternatives in Law: PR: PLA 3104/C.I. Theories and skills involved in negotiation, mediation and other dispute resolution processes. Occasional.

PLA 4263 HPA-CJ/L 3(3,0) Evidence: PR: PLA 3104 and 3205 or C.I. An examination of statutes and cases that define rules of evidence for trial courts. Primary emphasis is on the Florida Evidence Code. Fall, Spring.

PLA 4424 HPA-CJ/L 3(3,0) The Law of Contracts: Study of the basic law of contracts as developed in Anglo-American law and as changed by modern statutes, including the Uniform Commercial Code. Florida contract law will be emphasized. Fall, Spring.

PLA 4436 HPA-CJ/L 3(3,0) Florida Partnerships and Corporations: Statutory requirements of Florida partnerships and corporations; creation and dissolution of business organizations, responsibilities of officers and basic rights of stockholders. Fall, Spring.

PLA 4464 HPA-CJ/L 3(3,0) Bankruptcy Law: PR: C.I. This course will acquaint the student with the substantive law and procedures associated with the rights and obligations of debtors and creditors. Occasional.

PLA 4472 HPA-CJ/L 3(3,0) Employment Discrimination Law: PR: 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-CJ/L 3(3,0) Administrative Law: PR: PLA 3104 or PAD 3003. The law regarding governmental agencies with emphasis on the administrative process, Administrative Procedures Acts and special problems of state administrative law. Fall, Spring.

PLA 4530 HPA-CJ/L 3(3,0) Legal Issues of the Elderly: PR: PLA 3014. Legal concerns faced by older Americans as they plan their later years and seek to maximize their personal autonomy. Occasional.
PLA 4554 HPA-CJ/LS 3(3,0)
Environmental Law: PR: PLA 3014 and PLA 4485 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-CJ/LS 3(3,0)

PLA 4583H HPA-CJ/LS 3(3,0)
Honors Cyber Law: PR: Honors GEP completion or consent of The Burnett Honors College. Copyright, trademark, patent issues in cyberspace; online dispute resolution, privacy, and free speech topics. With Honors Content. Occasional.

PLA 4607 HPA-CJ/LS 3(3,0)
Estate Administration: PR: PLA 3014, PLA 3615. 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-CJ/LS 3(3,0)
Estate Administration: PR: PLA 4607. Study of the laws and procedures applicable to administration of estates. Occasional.

PLA 4703 HPA-CJ/LS 3(3,0)

PLA 4710 HPA-CJ/LS 1(1,0)
Careers in Legal Studies: PR: Major in Legal Studies C.I. Applications of Legal Studies. Students will explore options in legal studies, professional development, and ethics. Graded SU. Occasional.

PLA 4734 HPA-CJ/LS 3(3,0)
Advanced Legal Applications Computer Software: PR: PLA 3024 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-CJ/LS 3(3,0)

PLA 4806 HPA-CJ/LS 3(3,0)
Domestic Relations Law: PR: PLA 3014 and PLA 3615, 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-CJ/LS 3(3,0)
Juvenile Law and Procedure: PR: PLA 3014 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-CJ/LS 3(3,0)
Sports Law: PR: PLA 3014 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 4824 HPA-CJ/LS 3(3,0)

PLA 4825 HPA-CJ/LS 3(3,0)
Entertainment Law: PR: PLA 3014 or C.I. Introduction to the concept and regulation of the entertainment industry and the associated legal issues. Occasional.

PLA 4826 HPA-CJ/LS 3(3,0)

PLA 4830 HPA-CJ/LS 3(3,0)
World Legal Systems: PR: PLA 3014 or equivalent. An examination of various legal traditions and systems of the World. Substantive and procedural laws will be examined. Occasional.

PLA 4864 HPA-CJ/LS 3(3,0)

PLA 4910 HPA-CJ/LS 3(3,0)
Trial Advocacy: PR: PLA 3034, 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-CJ/LS 3(3,0)
Capstone: Legal Issues: PR: senior status, PLA 3155, Legal Studies major. The legal and socio-legal analysis of issues that require students to synthesize their legal knowledge and skills while addressing clients entering employment or graduate education. Fall, Spring.

PLA 5587 HPA-CJ/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.

PLA 5937 HPA-CJ/LS 3(1,2)

POR 1120C CAH-LANG 4(3,1)
Elementary Portuguese Language and Civilization I: PR: POR 1120C or C.I. The introduction 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 1121C CAH-LANG 4(3,1)
Elementary Portuguese Language and Civilization II: PR: POR 1120C or C.I. Continuation of POR 1120C. The course emphasizes the four 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 C.I. Continuation of POR 2200. Open only to students with no experience in this language. Fall, Spring.

POR 3140 CAH-LANG 3(3,0)
Accelerated Portuguese for Speakers of Romance Languages: PR: FREN 2201, or ITA 2201, 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.

POS 3122 COS-POLS 3(3,0)

POS 3122H COS-POLS 3(3,0)
Honors State Government and Public Policy: PR: POS 2041 or C.I. and permission of Honors. A comprehensive 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)

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)

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: POS 2041 or C.I. Influence of media on campaigns, public officials, public opinion, the definition of political news, and selected public policies. Occasional.

POS 3235H COS-POLS 3(3,0)
Honors Mass Media and Politics: PR: POS 2041 or C.I., and consent of Honors. Influence of media on campaigns, public officials, public opinion, the definition of political news, and selected public policies. With Honors Content. Occasional.

POS 3253 COS-POLS 3(3,0)
Contemporary Revolution and Political Violence: Theories and cases of revolutionary change and political violence in the contemporary world. Occasional.

POS 3258 COS-POLS 3(3,0)
Politics in Film: PR: POS 2041 or C.I. The influence of motion pictures on popular understanding of American and international politics. Even Fall.

POS 3273 COS-POLS 3(3,0)
Voting and Elections: 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 COS-POLS 3(3,0)
The American Presidency: PR: 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 COS-POLS 3(3,0)
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 legislative process, legislative priorities. Fall.

POS 3443 COS-POLS 3(3,0)
Political Parties and Processes: PR: POS 2041 or C.I. In-depth study of the American political party system in the context of changing American politics; topics include development, organization, reforms, legislative and executive roles. Occasional.

Undergraduate Catalog 2010-2011
PSY 2012 COS-PSYCH 3(3,0) General Psychology: A survey of the basic principles, theories, methods, and findings in psychology, including the study of human diversity. 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 1(1,0) Careers in Psychology: PR: PSY 2012. An examination of various career opportunities in Psychology, including educational entry requirements, and related professional issues. Graded SAU. Occasional.


PSY 3028 COS-PSYCH 3(3,0) Psychology of Career 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 3204C COS-PSYCH 4(3,2) Statistical Methods in Psychology: PR: PSY 2012; or CR: STA 2014C or STA 2023; or C.I. Standard scores, confidence intervals, sampling distributions, hypothesis testing, correlation and regression as applied to research in psychology. Occasional.


PSY 3213C COS-PSYCH 5(3,2) Research Methods in Psychology: PR: PSY 2012, PSY 3204C, and either STA 2014C or STA 2023. Investigation of experimental designs and research methods utilized in psychology. Laboratory outcomes will be statistically analyzed and reported in APA format. Fall, Spring. M&S fee: $20.00

PSY 3213H COS-PSYCH 5(3,2) Honors Research Methods in Psychology: PR: PSY 2012, PSY 3204C and STA 2014C or STA 2023 and consent of Honors. Investigation of experimental designs and research methods utilized in psychology. Laboratory outcomes will be statistically analyzed and reported in APA format. With Honors content. Occasional.

PSY 3302 COS-PSYCH 3(0,0) Psychological Measurement: PR: PSY 2012 and STA 2014C or STA 2023. A study of the theory underlying psychological tests and measurements procedures, including reliability, validity, and item analysis. Occasional.


PSY 3624 COS-PSYCH 3(3,0) Parapsychology: PR: PSY 2012. An examination of the history and development of research on paranormal phenomena, with special emphasis on recent developments in extrasensory perception and psychokinesis. Occasional.


PSY 3703 COS-PSYCH 3(3,0) Psychology of Language: PR: PSY 2012 or C.I. Psychological principles involved in the communicative process, with application to individuals and groups. Occasional.
## UCF Courses and Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Description</th>
<th>Prerequisites</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>RAT 3001</td>
<td>Introduction to Radiation Oncology</td>
<td>PR: Acceptance into program. An overview of radiation therapy treatment procedures and patient care considerations.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>RAT 3241</td>
<td>Clinical Radiobiology</td>
<td>Application of the principles and theories of radiobiology to the clinical practice of radiation therapy.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>RAT 3242</td>
<td>Oncologic Pathology</td>
<td>PR: Acceptance to program. Study of neoplastic diseases, including causative factors, characteristics, histologic grading, staging and treatment.</td>
<td>2(2,0)</td>
</tr>
<tr>
<td>RAT 3614</td>
<td>Radiation Therapy Physics I</td>
<td>PR: Acceptance to program. Study of radiation production, properties, interaction and interactions cases highlighting the application of PR theory to the clinical practice of radiation therapy.</td>
<td>2(2,0)</td>
</tr>
<tr>
<td>RAT 4247</td>
<td>Radiation Oncology I</td>
<td>Methods of radiation therapy treatment of malignant conditions of the skin, oral cavity, pharynx, sinuses, thyroid, digestive and respiratory systems.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>RAT 4248</td>
<td>Radiation Oncology II</td>
<td>Methods of treatment of malignant conditions of the skin, oral cavity, pharynx, sinuses, thyroid, digestive and respiratory systems.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>RAT 4618C</td>
<td>Radiation Therapy Physics II</td>
<td>PR: RAT 3614. Study of radiation protection techniques, design considerations, modes and characteristics of decay, handling of radionucleides and clinical dosimetry.</td>
<td>4(3,0)</td>
</tr>
<tr>
<td>RAT 4619C</td>
<td>Radiation Therapy Physics III</td>
<td>PR: RAT 4618C. Study of treatment planning principles and techniques, including multiple beam therapy, rotation therapy, arc therapy, and irregular field techniques.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>RAT 4804L</td>
<td>Clinical Education I</td>
<td>PR: RTE 3000, RTE 3111C, RTE 3528, RTE 3614, RTE 3804L, RTE 3457C, RTE 3549, or C.I. Supervised clinical practice in patient care and orientation to radiation therapy simulation, and treatment planning and delivery procedures.</td>
<td>5(0,20)</td>
</tr>
<tr>
<td>RAT 4814L</td>
<td>Clinical Education II</td>
<td>PR: RAT 4804L. Supervised clinical practice in patient care, education, simulation, treatment planning and delivery and utilization of treatment units.</td>
<td>6(0,24)</td>
</tr>
<tr>
<td>RAT 4824L</td>
<td>Clinical Education III</td>
<td>PR: RAT 4814L. Continued supervised clinical practice in patient care, education, simulation, treatment planning and delivery and utilization of treatment units.</td>
<td>6(0,24)</td>
</tr>
<tr>
<td>RED 4043</td>
<td>Content Reading in Kindergarten through Grade 3</td>
<td>PR: Junior or senior standing. Admission to the teacher education program. Content literacy in the K-12 school curriculum: Principles, strategies, assessment, and promising practices.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>RED 4311</td>
<td>Primary Reading, Writing, and Language Arts Curriculum and Assessment</td>
<td>PR: RED 3012 and RED 3310; CR: EEC 3490. Methodologies for teaching and assessing young children in reading, writing, and language arts in the elementary grades.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>RED 4519</td>
<td>Diagnostic and Corrective Reading</td>
<td>PR: RED 3012. An investigation of the needs of individual learners in reading instruction. Organization and techniques for promoting optimum reading growth. Concurrent school experiences required.</td>
<td>3(3,1)</td>
</tr>
<tr>
<td>RED 4942</td>
<td>Practicum for Assessment and Instruction of Reading</td>
<td>PR: RED 4519. CR: 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.</td>
<td>3(2,0)</td>
</tr>
<tr>
<td>RED 5147</td>
<td>Developmental Reading</td>
<td>PR: EDG 4233. Principles, procedures, organization, and current practices in the elementary reading program. Materials and methods of instruction.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>RED 5517</td>
<td>Classroom Diagnosis and Development of Reading Proficiencies</td>
<td>PR: RED 5517 or RED 5417 or equivalent. Classroom diagnosis and corrective teaching in reading; instructional materials. Case study required. Even Fall, Spring.</td>
<td>3(1,3)</td>
</tr>
<tr>
<td>RED 5948</td>
<td>Practicum in Reading Assessment and Instruction</td>
<td>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.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>REE 3043</td>
<td>Fundamentals of Real Estate</td>
<td>PR: Junior standing. Application of basic tools of economics, finance, and marketing to solve private and public sector real estate problems.</td>
<td>3(0,3)</td>
</tr>
<tr>
<td>REE 3433</td>
<td>Real Estate Law</td>
<td>PR: Junior standing. An analysis of real estate law with emphasis on Florida statutes and case law.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>REE 3614</td>
<td>Environmental Issues for Real Estate</td>
<td>PR: RREE 3043, RREE 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.</td>
<td>3(0,3)</td>
</tr>
<tr>
<td>REE 4103</td>
<td>Real Estate Appraisal and Valuation</td>
<td>PR: FIN 3403C. Focus on the fundamentals of real estate valuation utilizing tools of financial and economic analysis.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>REE 4203</td>
<td>Commercial Real Estate Finance</td>
<td>PR: FIN 3403C. 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.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>REL 2300</td>
<td>World Religions: Basic features and historical background of Confucianism, Taoism, Hinduism, Buddhism, Judaism, Christianity, and Islam.</td>
<td>Fall, Spring.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>REL 2300H</td>
<td>Honors World Religions</td>
<td>PR: Permission of Honors. Basic features and historical background of Confucianism, Taoism, Hinduism, Judaism, Christianity, and Islam. Honors-level content. Occasional.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>REL 3111</td>
<td>Religion and Philosophy Through Film</td>
<td>PR: ENGL 2300 or ENGL 2400 or ENGL 2410. Religious and philosophical themes encountered in contemporary film. It unites religion, philosophy and film by means of a critique of cultural productions of meaning, value and purpose. Occasional.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>REL 3115</td>
<td>Religion, Spirituality, and Popular Music</td>
<td>PR: HUM 2200 or REL 2300. Contemporary spiritual sensibilities encountered at the intersection of religion, philosophy, and popular music. Odd Fall.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>REL 3340</td>
<td>CAH-PHIL</td>
<td>PR: HUM 2200 or REL 2300 or C.I. Teachings of Buddhism and their contemporary applications. Odd Fall, Spring.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>REL 3432</td>
<td>Roots of Western Mysticism</td>
<td>PR: HUM 3432, HUM 3435, HUM 3552, HUM 4303, HUM 4542, PHH 3100, or PHH 3200. Ancient, medieval, and early modern European mysticism, and its influences on religious, philosophical, artistic, and scientific thought in the West. Even Fall, Odd Spring.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>REL 4110</td>
<td>Religion and the Arts</td>
<td>PR: At least one of the following: HUM 2210, HUM 2230, ARH 2050, ARH 2051, or REL 2300. Art, music, dance, and ritual practices in religious traditions, with an emphasis on contemporary society. Occasional.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>REL 4180</td>
<td>Religion and Medicine</td>
<td>PR: Junior standing and REL 2300 or C.I. A comparative study of the approaches toward medicine and healing in different religious traditions, both in the past and the present. Occasional.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>REL 4180H</td>
<td>Honors Religion and Medicine</td>
<td>PR: ENC 1102A, 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.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>REL 4901</td>
<td>CAH-PHIL</td>
<td>Portfolio: PR: Final semester as Humanities/Religious Studies track major. Presentation of a representative sample 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.</td>
<td>1(1,0)</td>
</tr>
</tbody>
</table>
### UCF Courses and Descriptions

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<thead>
<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>REL 4910</td>
<td>Senior Research Seminar</td>
<td>PR: Senior standing and Religion Studies track major. Capstone course on research, developing effective oral and written communication skills. Occasional.</td>
</tr>
<tr>
<td>RET 3026C</td>
<td>Introduction to Respiratory Care</td>
<td>PR: Admission to the professional upper-division Respiratory Therapy Program. Fundamentals of respiratory principles and practices will be studied. Introduction to the profession and basic methods are covered. Lecture and lab. Fall. M&amp;S fee: $46.00.</td>
</tr>
<tr>
<td>RET 3269C</td>
<td>Mechanical Ventilation</td>
<td>PR: RET 3026C. Function and use of mechanical ventilators, patient evaluation methods. All forms of ventilatory support will be studied. Lecture and laboratory. Occasional.</td>
</tr>
<tr>
<td>RET 3403C</td>
<td>Respiratory Clinical Assessment</td>
<td>PR: RET 3026C or C.I. Demonstration of physical assessment techniques, critical thinking, chest radiology and other laboratory techniques, polysomnography and clinical documentation. Includes Internet work. Spring.</td>
</tr>
<tr>
<td>RET 3717C</td>
<td>Pediatric Respiratory Care</td>
<td>PR: RET 3026C. The study of childhood respiratory diseases, congenital problems, infections, metabolic disorders, and AIDS. Spring.</td>
</tr>
<tr>
<td>RET 3885L</td>
<td>Clinical Practice II</td>
<td>PR: C.I. Patient care with advanced respiratory equipment. Traachestomy care. Introduction to cardiopulmonary resuscitation. Introduction to critical care units. Advanced life support techniques and equipment. Fall.</td>
</tr>
<tr>
<td>RET 4287</td>
<td>Cardiopulmonary Diagnostics I</td>
<td>PR: RET 4246, Noninvasive cardiac diagnostics, including echocardiography, nuclear cardiology, and stress testing. Fall.</td>
</tr>
<tr>
<td>RET 4288</td>
<td>Cardiopulmonary Diagnostics II</td>
<td>PR: RET 4246 and 4287. Invasive cardiac diagnostic and therapeutic measures, including cardiac catheterization, PTCA, streptokinase, and heart surgery. Spring.</td>
</tr>
<tr>
<td>RET 4441</td>
<td>Vascular Ultrasound</td>
<td>Study of application of ultrasound in the diagnosis of vascular diseases. Includes Doppler and color flow Doppler examination of arterial and venous systems. Occasional.</td>
</tr>
<tr>
<td>RET 4443</td>
<td>Advanced Cardiac Ultrasound</td>
<td>PR: RET 4287 or C.I. Study of advanced applications of ultrasound in the diagnosis of cardiac abnormalities. Two-dimensional echo, conventional Doppler, and color Doppler covered. Occasional.</td>
</tr>
<tr>
<td>RET 4505</td>
<td>Chest Medicine</td>
<td>PR: RET 3026C. Disease states treated medically in conjunction with one or more modalities of respiratory therapy. Spring.</td>
</tr>
<tr>
<td>RET 4536</td>
<td>Cardiopulmonary Rehabilitation</td>
<td>PR: RET 3269C &amp; RET 3494C or C.I. Principles underlying the development, implementation, and management of a comprehensive cardiopulmonary rehabilitation program. Spring.</td>
</tr>
<tr>
<td>RET 4715</td>
<td>Neonatal Medicine</td>
<td>PR: RET 3714C or C.I. Fetal development, prenatal physiology, gas transport in the fetus and newborn. Congenital abnormalities, infections, diseases of the newborn. Resuscitation of the neonate. Fall.</td>
</tr>
<tr>
<td>RET 4934</td>
<td>Selected Topics in Respiratory Therapy</td>
<td>PR: C.I. Current topics of adult critical care, as they apply to the advanced study of respiratory therapy. Spring.</td>
</tr>
<tr>
<td>RET 5910</td>
<td>Research Methods in Cardiopulmonary Physiology</td>
<td>PR: RET 4494C. Principles of nonvascular invasive procedures, patient positioning, coil and accessory device selection and use. Fall.</td>
</tr>
<tr>
<td>RMI 3011</td>
<td>Principles of Risk and Safety</td>
<td>PR: 3403C. Emphasis on insurance as a risk-handling device, with attention given to risk assumption, risk avoidance, and loss prevention. Spring.</td>
</tr>
<tr>
<td>RET 3000</td>
<td>Introduction to Radiologic Sciences</td>
<td>PR: Admission to Radiologic Sciences program. Orientation to career field, radiation protection, principles and procedures of medical imaging and radiation therapy. Fall.</td>
</tr>
<tr>
<td>RTE 3111C</td>
<td>2(1.5,1.5) Introduction to Patient Care</td>
<td>PR: Acceptance to the program. Provides the student with fundamentals of patient care methods related to radiology. Fall.</td>
</tr>
<tr>
<td>RTE 3116</td>
<td>Advanced Patient Care</td>
<td>PR: RET 3111C or C.I. Study of advanced patient care concepts and techniques associated with computed tomography, magnetic resonance imaging, mammography, pediatrics and interventional procedures. Spring.</td>
</tr>
<tr>
<td>RTE 3308</td>
<td>Medical Physics</td>
<td>PR: RET 3684C or C.I. Study of radiation production, characteristics, detection and measurement, and protection, including barrier thickness calculation and shielding. Occasional.</td>
</tr>
<tr>
<td>RTE 3418C</td>
<td>Principles of Radiographic Exposure I</td>
<td>An introduction to the technical variables influencing radiographic and fluoroscopic image quality, including equipment considerations, prime exposure factors, image receptors, and accessory exposure devices. Fall. M&amp;S fee: $29.00.</td>
</tr>
<tr>
<td>RTE 3457C</td>
<td>Principles of Radiographic Exposure II</td>
<td>PR: RTE 3148C or C.I. Study of technical and photographic processing variables influencing conventional, radiographic and digital image quality. Spring.</td>
</tr>
<tr>
<td>RTE 3503C</td>
<td>Radiographic Procedures I</td>
<td>PR: Admission to the program. Provides fundamental knowledge of radiographic positioning, equipment manipulation, and quality evaluation of radiographic studies of the chest, abdomen, routine contrast studies, and the upper extremity. Fall.</td>
</tr>
<tr>
<td>RTE 3513C</td>
<td>Radiographic Procedures II</td>
<td>PR: RET 3503C or C.I. Continuation of radiographic positioning, equipment manipulation, and quality evaluation of radiographic studies of the shoulder, bony thorax, lower extremity, vertebral column, cranial, and facial bones. Spring.</td>
</tr>
<tr>
<td>RTE 3614</td>
<td>Physics of Image Production</td>
<td>PR: College Physics I or II. Principles of diagnostic radiology, including radiation production, physical principles of generator operation, and characteristics of electromagnetic radiation. Fall.</td>
</tr>
<tr>
<td>RTE 3804L</td>
<td>Clinical Education I</td>
<td>PR: Admission to Radiologic Sciences Major. Supervised clinical practice in radiologic procedures, radiation protection, patient care and equipment with emphasis on chest and abdomen procedures and patient care activities. Fall.</td>
</tr>
<tr>
<td>RTE 3814L</td>
<td>Clinical Education II</td>
<td>PR: RET 3804L. Supervised clinical practice in radiographic/fluoroscopic procedures with emphasis on examinations of the GI tract, urinary tract, extremities and shoulder girdle. Spring.</td>
</tr>
<tr>
<td>RTE 4202</td>
<td>Methods in Radiology Management</td>
<td>Concepts of radiology, department management, including principles of personnel and equipment management, budgeting, financial considerations and legal aspects, and JCAH quality assurance specifications. Occasional.</td>
</tr>
<tr>
<td>RTE 4209</td>
<td>Radiological Administrative Practice</td>
<td>A directed practice in the management of a radiology department, with emphasis on policy development and concrete management projects. Occasional.</td>
</tr>
<tr>
<td>RTE 4385</td>
<td>Radiobiology</td>
<td>PR: RTE 3308. A study of the effects of ionizing radiation on biologic systems. The responses at the cellular and total organism level are investigated. Fall.</td>
</tr>
<tr>
<td>RTE 4473</td>
<td>Quality Improvement</td>
<td>PR: Registered technologist or senior standing. The study of quality improvement and quality control from the perspective of radiology services. Spring.</td>
</tr>
<tr>
<td>RTE 4563</td>
<td>Special Radiographic Procedures</td>
<td>PR: RTE 3535 or C.I. A study of the physical principles and applications of computed tomography, digital imaging, interventional radiography, mammography, ultrasound, magnetic resonance imaging, and nuclear medicine. Fall.</td>
</tr>
<tr>
<td>RTE 4574</td>
<td>Computed Tomography Protocols</td>
<td>PR: Senior level status in Radiologic Sciences program. Examines the application of imaging techniques accomplished by multidetector row computed tomography acquisition. Fall.</td>
</tr>
<tr>
<td>RTE 4579</td>
<td>Magnetic Resonance Imaging Protocols</td>
<td>PR: Senior Level status in Radiologic Sciences Program. Provides overview of imaging protocols used for specific MRI procedures. Content includes patient screening, safety procedures, patient positioning, coil and accessory device selection and use. Fall.</td>
</tr>
<tr>
<td>RTE 4762</td>
<td>Anatomy for the Medical Imaging</td>
<td>PR: ZOO 3733C and PCB 3703C. A study of the normal anatomical structures and interrelationships of structures as demonstrated in radiographic and cross-sectional imaging reference. Fall. Spring.</td>
</tr>
</tbody>
</table>
RTV 4003 COS-COMM 3(0,1) Directed Study in Radiologic Education: PR: ETV 3371 or EDG 4033 or C.I. Directed activity in classroom instruction in radiologic technology. Occasional.

RTV 2010 COS-COMM 3(0,1) 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. Odd Fall, Even Spring.

RTV 3007 COS-COMM 3(0,1) Development and Structure of Electronic Media: PR: RTV Majors only, Grammar Proficiency Examination and School Typing Exam. Preparation of written public service and commercial copy for radio and television. Odd Fall, Even Spring.

RTV 3200 COS-COMM 3(1,0) Production Fundamentals and Aesthetics of Electronic Media: PR: or CR: RTV 3007 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 3101 COS-COMM 3(1,2) Broadcast Copywriting: PR: RTV Majors only, Grammar Proficiency Examination and School Typing Exam. Preparation of written public service and commercial copy for radio and television. Odd Fall, Spring.

RTV 3201C COS-COMM 3(2,1) Audio Production I: PR: RTV 3200 and RTV Major. Production of audio production including audio mixes, microphones, tape recorders, cameras, video switchers, lighting, and electronic graphics. Students should expect significant work in the RTV lab facility outside of class. Odd Fall, Spring. M&S fee: $30.00

RTV 3210C COS-COMM 3(2,1) Audio Production II: PR: RTV 3201C and RTV Major. Creating the sound design and multiple track recording in the analog and digital domain. Students should expect significant work in the RTV lab facility outside of class. Even Spring. M&S fee: $30.00

RTV 3221C COS-COMM 3(2,1) Lighting for Video: PR: RTV 3228C or RTV 3250C, and RTV Major - Production Specialization. Basic lighting techniques for both studio and location, single and multiple-camera Specialization. Students should expect significant work in the RTV lab facility outside of class. Odd Fall, Spring. M&S fee: $30.00

RTV 3228C COS-COMM 4(3,1) Studio Television Production: PR: RTV 3200 and RTV Major - Production Specialization. Analog and digital television studio production including audio mixes, microphones, tape recorders, cameras, video switchers, lighting, and electronic graphics. Students should expect significant work in the RTV lab facility outside of class. Odd Fall, Spring. M&S fee: $30.00

RTV 3234C COS-COMM 3(2,1) Broadcast Announcing and Performance: PR: RTV Major, PR or CR: RTV 3200 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 the class. Occasional. M&S fee: $15.00

RTV 3260C COS-COMM 4(1,3) Single Camera Video Production and Editing: PR: RTV 3200 and RTV Major - Production Specialization or Broadcast Journalism Specialization. Technical and aesthetic requirements of analog and digital single-camera video production and editing, including techniques for electronic news gathering (ENG) and electronic field production (EFP). Students should expect significant work in the RTV facility outside of class. Fall, Spring. M&S fee: $30.00

RTV 3263C COS-COMM 3(2,1) Advanced Video Post-Production: PR: RTV 3260C and C.I. Advanced post-production techniques for analog and digital video, including A/B time code editing, digital video effects, electronic graphics, and non-linear video editing systems. Students should expect significant work in the RTV facility outside of class. Fall, Spring. M&S fee: $15.00

RTV 3301 COS-COMM 3(3,0) Electronic Journalism I: PR: RTV 2102 and RTV Major - Broadcast Journalism Specialization. Newswriting and newsgathering skills and strategies and their accompanying ethical considerations for analog and digital broadcast journalism. Fall, Spring.

RTV 3304 COS-COMM 3(3,0) Electronic Journalism II: PR: RTV 3301, RTV 3260C, and RTV Major - Broadcast Journalism Specialization. Newswriting and newsgathering strategies learned in RTV 3301 are integrated into a newsgathering context for actual production of analog and digital radio and television news packages. Fall, Spring.

RTV 3942L COS-COMM 1-3(0,3) Practicum: PR: C.I., RTV Major, and either RTV 3210C, RTV 3228C, or RTV 3260C. Students will serve in some position of responsibility in UCF Weekly News or other RTV program. Graded S/U. May be repeated for credit. Occasional.

RTV 4020C COS-COMM 3(2,1) Television Directing: PR: RTV 3228C, RTV 3250C, and RTV Major - Production Specialization. Preparation and direction of programs, using both digital and analog resources, with emphasis on dramatic value and composition. Students should expect significant work in the RTV lab facility outside of class. Fall, Even Spring. M&S fee: $30.00

RTV 4210C COS-COMM 3(2,1) Radio Production: PR: RTV 3201C and RTV Major. Creating the sound design and multiple track recording in the analog and digital domain. Students should expect significant work in the RTV lab facility outside of class. Occasional. M&S fee: $35.00

RTV 4271C COS-COMM 3(2,1) Radio Production and Programming: PR: RTV 3200 and RTV Major - Production or Broadcast Generalist Specialization. Study and production of current radio formats, the integration of digital resources, and their effects on today's radio listener. Students should expect significant work in the RTV lab facility outside of class. Fall, Spring.

RTV 4280C COS-COMM 3(2,1) Webcasting II: PR: RTV Major and PR or CR: RTV 3280C. Presentation of broadcast material on the web. Integrates the distribution of radio, television, and web content. Students should expect significant work in the RTV lab facility outside of class. Occasional. M&S fee: $15.00

RTV 4281C COS-COMM 3(2,1) Webcasting I: PR: RTV 4280C and RTV Major. Production of digital media in conjunction with other RTV production activities to repurpose broadcast content for delivery on the web. Students should expect significant work in the RTV lab facility outside of class. Occasional. M&S fee: $15.00

RTV 4320C COS-COMM 4(1,3) Television News: PR: RTV 3304 and RTV Major - Broadcast Journalism Specialization or C.I. Production of weekly campus newscast. Daily newsgathering and production of newswriting and strategies conducted 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: $15.00

RTV 4322C COS-COMM 3(2,1) Advanced TV News: PR: RTV 4320C, 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 4403 COS-COMM 3(3,0) Electronic Media, Technology, and Society: PR or CR: RTV 3228C, Theories of mass communication, mass communication technologies, and emerging communication technologies, including digital media. Fall, Spring.

RTV 4503 COS-COMM 3(3,0) Sports Programming on Broadcast and Electronic Media: PR: CGS 1060C; major status in RTV, Ad/PR, Journalism, or Broadcast Journalism Specialization. Newswriting and strategies learned in RTV 3304 are integrated into a newsgathering context for actual production of analog and digital radio and television news packages. Fall, Spring.

RTV 4800 COS-COMM 3(3,0) Broadcast Management: PR: RTV Majors only, RTV 3007. Federal, state, local and self-regulatory agencies and practices which govern electronic media. Fall.

RTV 4900 COS-COMM 3(3,0) Regulation of Broadcasting: PR: RTV Majors only, RTV 3007. Federal, state, local and self-regulatory agencies and practices which govern electronic media. Fall.

RUS 2200 CAH-LANG 4(4,1) Elementary Russian Language and Civilization I: Introduces the student to Russian culture through major language skills: listening, speaking, reading, and writing. Open only to students with no experience in this language. Occasional.


RUS 2200 CAH-LANG 3(3,1) Intermediate Russian Language and Civilization I: PR: RUS 1121 or equivalent. Development of language skills and cultural knowledge at the intermediate level. Occasional.

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 toward 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 2021 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.

SCC 3311 HPA-CJ/LIS 3(3,0) Security Administration: Discussion of modern security theories, intervention and the security-law enforcement interface, emphasizing a systems approach and utilizing the design of a security plan for a plant. Occasional.

SCC 3314 HPA-CJ/LIS 3(3,0) Physical Security: PR: C.J. major or minor or C.I./CCJ 3024. Concepts and procedures for the development, implementation, and management of a physical security program and its application to assets protection. Occasional.

SCC 3316 HPA-CJ/LIS 3(3,0) Special Security Problems: Review and application of basic security principles to retail security, transportation/cargo security, utility security, computer security, and other special security situations. Occasional.

SCE 3310 ED-TLP 3(3,0) Teaching Science in Elementary School: PR: EDG 4410 or C.I. Selected concepts; organizing for instruction; techniques; evaluation procedures. Fall, Spring. M&S fee: $10.00

SCE 4304 ED-CPCS 3(3,0) Teaching Science and Technology to Young Children: Provides the knowledge and skills needed to plan and implement a discovery science/design technology program for young children in an integrated, interactive curriculum. Fall.

SCE 4305 ED-TLP 4(3,2) Science Instructional Analysis: PR: EDG 4302 or C.I. Course objectives for a school curriculum and methods and materials for the middle grades and high school. Fall, Spring. M&S fee: $8.00

SCE 4361 ED-TLP 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-TLP 3(3,0) Teaching Middle School Science: PR: EDG 6236 or C.I. This course will provide experiences that promote effective science teaching in grades 5-9 including interdisciplinary teaming, technology use, ESOL, and inquiry in science. Occasional.

SCE 5337 ED-TLP 3(3,0) Issues and Methods in Secondary School Science: PR: EDG 4255 or C.I. Secondary school science education special methods course is designed to augment students’ understanding of instructional methods and their applications to middle and high school science curriculum. Fall, Spring.

SCE 5836 ED-TLP 3(3,0) Space Science for Educators: PR: Senior standing or C.I. Introduction to space science, manned space flight, and space education curriculum. Occasional.

SLS 1501 ED-ES 3(3,0) Strategies for Success in College: PR: First Time in College (FTIC) 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 2261C ED-ES 2(2,1) Student Organization Leadership: Application of leadership and organizational development paradigms, theories, and approaches for emerging and established student leaders. Occasional.

SLS 2311C COM-M&M 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.

SLS 2715 ED-ES 2(2,0) Peer Educator Leadership: PR: Orientation Team Members or C.I. Training peer educators in helping strategies applicable to their peer leadership positions. Fall, Spring.

SOP 2772 COS-PHYC 3(3,0) Sexual Behavior: PR: PSY 3012. Physiological, social, and clinical aspects of human sexuality. Fall.

SOP 3004 COS-PHYC 3(3,0) Social Psychology: PR: PSY 3012. Effects of social situations and social variables on the behavior of individuals. Fall.

SOP 3723 COS-PHYC 3(3,0) Cross Cultural Psychology: PR: PSY 3012. Exploration of theories, issues, and research concerned with the psychological understanding of under-represented minority groups. Odd Spring.

SOP 3724 COS-PHYC 3(3,0) Psychology of Prejudice: PR: PSY 3012. 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-PHYC 3(3,0) Psychology of Women: PR: PSY 3012. Examination of the psychological role of women in modern society. Topics include child rearing, working women, and sex differences in personality and cognition. Fall, Spring.

SOP 3751 COS-PHYC 3(3,0) Legal Aspects of Psychology: PR: PSY 3012 or SYG 2000, PHE 3003 or C.I. Ethical and legal dilemmas and issues in the practice of psychology. Fall.

SOP 3784 COS-PHYC 3(3,0) Psychology of Diversity: PR: PSY 3012. 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-PHYC 3(3,0) Advanced Social Psychology: PR: SOP 3004, graduate status or senior standing, or C.I. 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 Creating Social Change: Introduces students 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) Assessing I: Human Development: 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 3203 HPA-SOWK 3(3,0) Social Work & Community Resources: PR: Jr. Standing or C.I. open to non-majors. Generalist social work practice, including the structure of American social welfare, values and ethics of social work and community resources. Fall.


SOW 3352 HPA-SOWK 3(2,1) Practice II: Interpersonal Skills in Social Work:: PR: SOW 3330. PR or CRI SOW 3330. Study and practice of interpersonal, group leadership, written communication, and oral presentations, in consensus as well as conflictual contexts of social work. Spring.

SOW 3401 HPA-SOWK 3(3,0) Social Work Research: PR: STA 2014C or STA 2024. Study of qualitative and quantitative methods of building knowledge for social work and the ethical use of research in professional practice. Spring.

SOW 3420 HPA-SOWK 3(3,0) Social Work with Diverse Populations: PR: SOW 3203 and SOW 3304. PR or CR: SOW 3300. Social work practice and skills development to serve oppressed groups. Spring.

SOW 3740 HPA-SOWK 3(3,0) Social Work Practice with Loss & Life’s Transitions: PR: General Education completed and SOW 3104. A wide range of losses across the life span will be presented from a social and personal perspective. Assessment & intervention recognizing cultural differences will be addressed. Fall.

SOW 4232 HPA-SOWK 3(3,0) Social Welfare Policies and Issues: PR: SOW 3205 or equivalent. Development of skills needed to critically analyze social welfare goals, structures, and practices. Proposes improvements in societal resource systems. Fall.

SOW 4341 HPA-SOWK 3(1,2) Micro-Level Roles and Interventions in Social Work: PR: SOW 3000, SOW 3352. Study and simulated practice of roles and tasks in systemic problem solving with individuals, families and supportive and remedial groups. Fall.

SOW 4343 HPA-SOWK 3(1,2) Macro-Level Roles and Interventions in Social Work: PR: SOW 3300, SOW 3352. Study and simulated practice of roles and tasks in systemic problem solving to obtain and improve social welfare resources within organizations and communities. Fall.

SOW 4431 HPA-SOWK 3(2,1) Evaluating Social Work Practice and Service Programs: PR: SOW 3401, SOW 3300. The study of evaluation of social work practice, including ethical decision making, and research from a social and personal perspective. Fall.

SOW 4510 HPA-SOWK 9(0,28) Field Education: PR: Completion of required courses in major GPA 2.5 in major. CR: SOW 4522. Supervised learning experiences in agencies that relate social work practice to theory, requiring 420 clock hours in the field. Graded S/U. Spring.

SOW 4522 HPA-SOWK 3(2,1) Field Education Seminar: PR: Completion of required courses in major CR: SOW 4522. Weekly seminar to examine the field experience and to relate theory with practice situations. Spring.

SOW 4602 HPA-SOWK 3(3,0) Social Work in Health Settings: PR: SOW 3300 and SOW 3304 or C.I. Study of social work roles, interventions, and issues related to helping patients in health settings. Fall.

SOW 4645 HPA-SOWK 3(3,0) Social Services for the Elderly: PR: SOW 3300, SOW 3304, or Gerontology Certificate Major or C.I. Development of interventive skills for obtaining, providing, and improving social services in behalf of elderly persons and their families. Fall.

SOW 4650 HPA-SOWK 3(3,0) Child Abuse: Treatment and Prevention: PR: SOW 3300 and Admission to BSW program or C.I. The social worker’s role and intervention with victims of child abuse and their family members. Spring.

SOW 4654 HPA-SOWK 3(3,0) Children’s Services: PR: or CR: SOW 3104. Study of societal responses to children’s needs. Development of skills for preventing family breakdown, placing children in alternative care, and reuniting children with their families. Fall, Spring.
SOW 4673 HPA-SOWK 3(3,0)
Social Work Practice: The Gay and Lesbian Experience
PR: SOW 3104 or C.I. Sexual orientation and cultural diversity, policies and resources affecting gay & lesbian people, community based therapeutic and preventive interventions with gay & lesbian clients. Even Spring.

SOW 4705 HPA-SOWK 3(3,0)
Prevention and Treatment of Adolescent Substance Abuse: 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 4710 HPA-SOWK 3(3,0)
Older Adults and the Law: An in-depth analysis of the legal rights and responsibilities of older adults. Fall, Spring.

SOW 4720 HPA-SOWK 3(3,0)
Design and Evaluation of Social Work Programs: Focuses on technology, theory, design, and evaluation in social work program development. Fall, Spring.

SOW 4725 HPA-SOWK 3(3,0)
Evaluation of Social Work Programs: Focuses on evaluation theory, design, implementation, and dissemination of evaluation research. Fall, Spring.

SOW 4732 HPA-SOWK 2(2,0)

SOW 5322 HPA-SOWK 2(2,0)
Generalist Field Education II: PR: MSW. Continuation of SOW 5321. Generalist Field Education I in the same field agency for 224 clock hours. Graded S/U. Odd Fall, Spring.

SOW 5334 HPA-SOWK 1(1,0)
Generalist Field Education Integrative Seminar I: PR: Admission to MSW program. CR: SOW 5323. Seminar designed to facilitate student integration of generalist social work practice and theory while strengthening partnerships in the community. Graded S/U. Fall.

SOW 5538 HPA-SOWK 3(3,0)
Full-Time MSW Generalist Field Education and Seminar I: PR: Graduate standing or C.I.; CR: SOW 5305. Field education for full-time MSW generalist students; includes seminar and supervised practice of social work in an agency for 250 clock hours. Graded S/U. Fall.

SOW 5539 HPA-SOWK 3(3,0)
Full-Time MSW Generalist Field Education and Seminar II: PR: SOW 5338; CR: SOW 5306. Field education for full-time MSW generalist students; includes seminar and supervised practice of social work in an agency for 250 clock hours. Graded S/U. Fall.

SOW 5546 HPA-SOWK 1(1,0)
Generalist Field Education Integrative Seminar II: PR: Admission to MSW program. CR: Generalist Field Education I. Continuation of Generalist Field Education integrative seminar I to facilitate student integration of generalist social work practice and theory while strengthening partnerships in the community. Graded S/U. Spring.

SOW 5565 HPA-SOWK 2(2,0)
Part-Time MSW Generalist Field Education and Seminar I: PR: SOW 5305; CR: SOW 5306. Field education for part-time MSW generalist students; includes seminar and supervised practice of social work in an agency for 180 clock hours. Graded S/U. Fall.

SOW 5566 HPA-SOWK 2(2,0)
Part-Time MSW Generalist Field Education and Seminar II: PR: SOW 5565; CR: SOW 5306. Field Education for part-time MSW generalist students; includes seminar and supervised practice of social work in an agency for 140 clock hours. Graded S/U. Fall.

SOW 5624 HPA-SOWK 3(3,0)
Social Work Practice in Mexican Culture: PR: C.I. The practice of social work in Mexican culture through cultural immersion, seminars, field visits and language instruction. Occasional.

SOW 5625 HPA-SOWK 3(3,0)

SOW 5652 HPA-SOWK 3(3,0)

SOW 5662 HPA-SOWK 3(3,0)
Strategies in Employee Assistance Programs: Techniques for establishing, providing, and evaluating services to people with problems which affect job performance. Occasional.

SPO 3002 HPA-COM SC&DIS 3(3,0)

SPO 3011 HPA-COM SC&DIS 3(3,0)
Speech Science I: Production: PR: SPA 3471. Study of speech, how it is transformed into an acoustic signal, and how that acoustic signal is measured. Fall, Spring.

SPO 3011L HPA-COM SC&DIS 1(0,1)

SPO 3101 HPA-COM SC&DIS 3(3,0)
Physical Basis of Speech and Hearing: PR: or CR: SPA 3471. An introduction to the anatomical, physiological, and physical elements underlying the communication process. Fall, Spring.

SPO 3104 HPA-COM SC&DIS 3(3,0)
Neural Bases of Communication: PR: or CR: SPA 3112L. Structures and functions of the nervous system involved in communication and its disorders. Fall, Spring.

SPO 3112 HPA-COM SC&DIS 3(3,0)
Basic Phonetics: CR: SPA 3112L. Physiological descriptions and visual notation of standard speech patterns and regional dialects. Fall.

SPO 3112L HPA-COM SC&DIS 1(0,1)

SPO 3123 HPA-COM SC&DIS 3(3,0)
Speech Science II: Perception: PR: SPA 3112, SPA 3112L. How the perception of human speech differs from that of other auditory signals. Fall, Spring.

SPO 3123L HPA-COM SC&DIS 1(0,1)

SPO 3412 HPA-COM SC&DIS 3(3,0)
Brain Stories: A Communication Disorders Perspective: PR: SPA 3471 (may be taken as corequisites with PSY 2012 or C.I.). A case study approach of communicative-cognitive disorders due to brain injury. Fall, Spring.

SPO 3471 HPA-COM SC&DIS 3(3,0)
Communication Disorders in Literature and Media: PR: PSY 2012 or SYG 2000. Exploration of communication disorders in literature and media, emphasizing psycho-social, academic, vocational, and familial challenges as well as society's perceptions of individuals with communication disorders. Fall, Spring.

SPO 3472 HPA-COM SC&DIS 3(3,0)
Guidance of Young Children with Communication Disorders: PR: SPA 3471. Social/emotional and behavioral difficulties of children with communication disorders; positive child guidance and behavioral management strategies for clinicians and parents. Fall, Spring.

SPO 3632 HPA-COM SC&DIS 3(3,0)
Communication Disorders in the Deaf and Hard of Hearing Population: PR: ASL 2510 or C.I. Speech, language, and hearing problems in the DHH population, including etiology, pathology, and management of hearing disorders. Occasional.

SPO 4032 HPA-COM SC&DIS 3(3,0)

SPO 4401 HPA-COM SC&DIS 3(3,0)
Articulation and Phonological Disorders: PR: SPA 3002, SPA 3112. The etiology, assessment, and management of articulation and phonological disorders, including those associated with structural variations and neuromotor disorders. Occasional. M&S fee: $15.00.
SPA 4241 HPA-COM SC&DIS 3(3,0)
Genetic Aspects of Communication Disorders: Pr: BSC 2010C, Junior or senior standing.
Theoretical framework for understanding human genetics and the genetic aspects of communication and feeding disorders. Spring.

SPA 4321 HPA-COM SC&DIS 3(3,0)

SPA 4400 HPA-COM SC&DIS 3(3,0)

SPA 4476 HPA-COM SC&DIS 3(3,0)
Speech Disorders Across the Lifespan: Pr: SPA 5742, SPA 5201, and SPA 5312. Causes and characteristics of speech and swallowing disorders in children and adults, including those affecting articulation, phonation, resonance, fluency, and feeding and swallowing. Fall, Spring.

SPA 4478 HPA-COM SC&DIS 3(3,0)
Multicultural Aspects of Communication Disorders: Pr: LIN 3717 and linguistic diversity among individuals with communication disorders and differences. Special emphasis on African, Hispanic, Asian, and Native American. Fall, Spring.

SPA 4501L HPA-COM SC&DIS 3(3,0)
Undergraduate Clinical Practicum: Pr: SPA 4400 or SPA 4476 and senior standing. Supervised clinical practicum for select undergraduate students in the management of language or articulation disorders. Fall, Spring. Miles fee: $45.00.

SPA 4555 HPA-COM SC&DIS 3(3,0)
Counseling in Communication Disorders: Pr: SPA 4500 or C.I. Practical interviewing and counseling in the area of communication disorders. Spring.

SPA 4580 HPA-COM SC&DIS 3(3,0)
Augmentative and Alternative Communication Systems: Pr: LIN 3717 or C.I. The total integrated network of techniques, strategies, and skills individuals use to supplement or replace inadequate natural speaking ability. Occasional.

SPA 4634 HPA-COM SC&DIS 3(3,0)
Educational Implications of Deafness: Pr: ASL 2510. Impact of deafness on the educational process. The impact of deafness on the individual, their family, and the classroom will be discussed. Occasional.

SPA 4803 HPA-COM SC&DIS 3(3,0)
Research Methods in Communication Sciences and Disorders: Pr: STA 2014C or STA 2G3. Approaches, methods, and techniques of research in Communication Sciences and Disorders are considered through lecture, discussion, and group participation. Fall, Spring.

SPA 4870C HPA-COM SC&DIS 3(2,1)
Capstone Course: Pr: PR or C.I. All required C&S&D courses. Integration of essential topics in communication sciences and disorders through curriculum content reviews and community experiences. Fall, Spring.

SPA 4948 HPA-COM SC&DIS 3(3,0)
Community Internship: Pr: SPA 4400 or SPA 4476 and senior standing. Supervised interaction and planned activities with individuals experiencing communication disorders in community settings, including Head Start, public schools, clinics, skilled nursing and assisted living facilities. Fall, Spring.

SPA 5473 HPA-COM SC&DIS 3(3,0)
Multicultural Aspects of Communication Disorders: Pr: Junior or senior standing. Introduction to cultural and linguistic diversity among individuals with communication differences and disorders. Special emphases on Hispanic, Asian, and Native-American cultures. Occasional.

SPA 5544 HPA-COM SC&DIS 3(3,0)
Counseling in Communication Disorders: Pr: Senior status or C.I. Interviewing and counseling for individuals with communication disorders and their families. Spring.

SPA 5546 HPA-COM SC&DIS 3(3,0)
Aging and Communication: Pr: Senior status or C.I. Study of the changes in communication with normal aging, focusing on assessment and management of older adults with communication disorders. Occasional.

SPB 3003 BA-BUS 3(3,0)
Introduction to Sport Business Management: Pr: Admission to a major business. The sport industry and the principles and applications of sport business management in professional, collegiate, and Olympic sport. Occasional.

SPB 3503 BA-BUS 3(3,0)

SPB 3603 BA-BUS 3(3,0)

SPB 3823 BA-BUS 3(3,0)

SPB 4104 BA-BUS 3(3,0)
Intercollegiate Sport Industry: Pr: SPB 3003. The structure, evolution and governance of intercollegiate sport management and a framework for sound business decision management. Fall, Spring.

SPB 4204 BA-BUS 3(3,0)
Professional Sport Industry: Pr: SPB 3003. The structure, evolution and governance of professional sport management and a framework for sound business decision making. Occasional.

SPB 4304 BA-BUS 3(3,0)

SPB 4400 BA-BUS 3(3,0)

SPB 4704 BA-BUS 3(3,0)
Sport Business Strategy: Pr: SPB 3003. The skills and knowledge applicable to the process of building and sustaining excellent sport organizations. Occasional.

SPB 4804 BA-BUS 3(3,0)

SPC 1603 COS-COMM 3(3,0)
Fundamentals of Technical Presentations: Pr: Priority will be given to students whose major requires this course. Communication theory and its application to preparing and delivering public speeches. Fall, Spring.

SPC 1608H COS-COMM 3(3,0)

SPC 3301 COS-COMM 3(3,0)
Interpersonal Communication: Pr: PR or CR: COM 3311, or C.I. Nature of the communication process; various aspects of the process and the individuals involved. Analysis of communication models, interactor behavior, situational cues, verbal and nonverbal messages. Fall, Spring.

SPC 3425C COS-COMM 3(2,1)
Organizational and Decision-Making: Pr: PR or CR: COM 3311, or C.I. A study of small group processes. Attention is given to problem solving, leadership emergence, conformity behavior, and group member role responsibilities. Odd Fall, Spring.

SPC 3445 COS-COMM 3(3,0)
Leadership Through Oral Communication: Pr: PR or CR: COM 3120 and COM 3311 or C.I. Investigation of leadership in oral communication situations, principles of effective leadership, and leadership in problem solving. Fall, Spring.

SPC 3513 COS-COMM 3(1,2)

SPC 3602 COS-COMM 3(1,2)
Advanced Public Speaking: Pr: SPC 1608 or C.I. Advanced training in selecting and organizing materials for various types of speeches. Practice in thinking and speaking before audiences. Occasional.

SPC 4331 COS-COMM 3(3,0)
Nonverbal Communication: Pr: PR or CR: COM 3311, or C.I. Review of current behavioral research in such areas as proxemics, kinesics, paralanguage, and nonverbal communication. Spring.

SPC 4426 COS-COMM 3(3,0)
Group Dynamics: Pr: PR or CR: COM 3311, or C.I. Human behavior in group situations. Fall, Even Spring.

SPC 4540 COS-COMM 3(3,0)
Attitudes and Communication: Pr: PR or CR: COM 3311, or C.I. A survey of the immediate and direct ways in which persuasive communications and social groups come to influence attitudes. Fall, Spring.

SPM 3130 ED-CFCS 3(3,0)
Aquaetic Management: Pr: Admission to B.S. in Sports and Fitness program or C.I. Required knowledge for developing and operating aquatics programs safely and effectively. Fall, Spring.

SPM 3204 ED-CFCS 3(3,0)
Sports and Fitness: Pr: Junior standing or C.I. An exploration into ethics and its influence on sports. Fall, Spring.

SPM 3415 ED-CFCS 3(3,0)
Public Relations in Sport and Fitness: Pr: Admission to Sport and Fitness program or C.I. Examining the role of public relations and media with specific application to sport and fitness professionals. Fall, Spring.

SPM 3504 ED-CFCS 3(3,0)
Fiscal and Facilities: Issues in Sport and Fitness: Pr: Admission to Sport and Fitness program of C.I. Design, maintenance, and operation of sport and fitness facilities with a specific focus on fiscal management. Fall, Spring.
theories as well as information on current issues are try. Fundamental leadership administration and research
This course will provide an overview of the sports industry including planning, organizing, marketing, evaluating, and conducting special and sport events. Occasional.

SPM 5506 ED-CFCF 3(3,0)
Financial Issues in Sports and Fitness: PR: C.I. Examination of the legal issues and problems encountered by sport and fitness professionals. Fall, Spring.

SPM 3140 CAH-LANG 3(3,0)
The course will provide an overview of the sports industry including planning, organizing, marketing, evaluating, and conducting special and sport events. Occasional.

SPM 3141 CAH-LANG 3(3,0)

SPM 3234 CAH-LANG 3(3,0)

SPN 3300 CAH-LANG 3(3,0)
Advanced Spanish Grammar and Composition: PR: SPN 2200 or equivalent. Advanced Spanish grammar, idiomatic expressions, and development of skills in conversation and comprehension through practice. Occasional.

SPN 3343 CAH-LANG 3(3,0)

SPN 3344 CAH-LANG 3(3,0)
Advanced Spanish Native Fluency I: PR: SPN 3300 or C.I. Advanced grammatical topics and composition skills for native or near-native speakers. Fall.

SPN 3345 CAH-LANG 3(3,0)
Advanced Spanish Native Fluency II: PR: SPN 3344. Advanced grammatical topics and composition skills for native or near-native speakers. Fall.

SPN 3420 CAH-LANG 3(3,0)
Spanish Composition: PR: SPN 2200 or equivalent. Development of skills in conversation and comprehension through practice. Fall, Spring.

SPN 3511 CAH-LANG 3(3,0)
Modern Spanish Civilization: PR: SPN 1120C or C.I. This course will focus on modern Spanish culture using examples from present day society. Cultural visits and realia are essential components of this course. Occasional.

SPN 3512 CAH-LANG 3(3,0)
Contemporary Spanish Culture: PR: SPN 2202 or C.I. This course will focus on contemporary Spanish culture presented through classroom lectures and discussions, assigned reading and scheduled activities. Occasional.

SPN 3760 CAH-LANG 3(3,0)
Advanced Spanish Oral Communication: PR: SPN 2200 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, Spring.

SPN 3850 CAH-LANG 3(3,0)

SPN 3852 CAH-LANG 3(3,0)

SPN 3933 CAH-LANG 1(1,0)
Spanish Across the Curriculum: PR: SPN 2200 or C.I. CR. concurrent enrollment in a designated course. Improvement of skills in Spanish within the student’s major or minor. Open to students in all colleges. May be repeated for credit. Fall, Spring.

SPN 4143 CAH-LANG 3(3,0)

SPN 4410 CAH-LANG 3(3,0)
Advanced Spanish Conversation: PR: SPN 3760, SPN 3420, and SPN 3300 or C.I. Advanced conversation on directed topics from various disciplines: literature, art, history, philosophy, music, business, and the sciences. Fall.

SPN 4421 CAH-LANG 3(3,0)
Advanced Spanish Composition: PR: SPN 3300, SPN 3420, SPN 3760 and C.I. Readings and written imitations of modern literary styles in the form of themes, sketches, poems, and original stories. Even Spring.

SPN 4510 CAH-LANG 3(3,0)
Spanish Civilization and Culture: PR: SPN 3760, SPN 3420 and SPN 3300 or C.I. A study of Spanish civilization and culture from the Pre-Columbian times to the present. Conducted in Spanish. Occasional.

SPN 4520 CAH-LANG 3(3,0)
Latin American Civilization and Culture: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Students will learn the basic principles of Spanish pronunciation and perfect the correct pronunciation of Spanish through intensive practice and oral drill. Odd.

SPN 4780 CAH-LANG 3(3,0)
Spanish Phonetics: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. An overview of the currents in Latin American culture and civilization from the Pre-Columbian period to the present. Conducted in Spanish. Occasional.

SPN 4800 CAH-LANG 3(3,0)
Spanish-American Syntax: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. The course examines the Spanish language from its beginning to the present, with special emphasis on its written and spoken in Latin America and the U.S. Occasional.

SPN 4801 CAH-LANG 3(3,0)
Spanish Morphosyntax: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Emphasizes the structure as well as the capacity for recognizing the differences between semantics, morphology, syntax, and phonology in the Spanish language, as well as the use and correct application of criterion when analyzing texts. Taught in Spanish. Occasional.

SPN 5502 CAH-LANG 3(3,0)
Hispanic Culture of the United States: PR: Graduate status or senior standing or C.I. An analysis of the Hispanic culture of the United States, past and present. Occasional.

SPN 5505 CAH-LANG 3(3,0)
Spanish Peninsular Culture and Civilization: PR: Graduate status or senior standing or C.I. An analysis of the salient characteristics of Spanish culture and civilization. Occasional.

SPN 5506 CAH-LANG 3(3,0)
Spanish American Culture and Civilization: PR: Graduate status or senior standing or C.I. An analysis of the salient characteristics of Spanish American culture and civilization. Occasional.

SPM 4723 ED-CFCF 3(3,0)
Legal Issues in Sport and Fitness: PR: Admission to Sport and Fitness Program or C.I. Examination of the legal issues and problems encountered by sport and fitness professionals. Fall, Spring.

SPM 5155 ED-CFCF 3(3,0)
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.

SPM 5308 ED-CFCF 3(3,0)
Marketing and Promoting Sports and Fitness Programs: PR: C.I. Introduces students to all aspects of sports marketing including planning, organizing, marketing, evaluating, and conducting special and sport events. Occasional.
SPN 5705 CAH-LANG 3(3,0) Introduction to Spanish Linguistics: PR: Graduate status or senior standing or C.I. An introduction to the basic principles and methods of linguistic analysis, including the study of syntax, semantics, and phonology. Fall, Spring.

SPN 5825 CAH-LANG 3(3,0) Spanish Dialectology: PR: Graduate status or senior standing or C.E.C. This course is an introduction to the study of regional and social varieties of Spanish. Fall, Spring.

SPN 5845 CAH-LANG 3(3,0) History of the Spanish Language: PR: Graduate status or senior standing or C.I. An overview of the linguistic developments of the Romance languages, with a focus on Spanish. Fall, Spring.

SPN 5920 AP Spanish Literature: PR: Graduate status or senior standing or C.I. Participation in a Spanish literature seminar, with the focus of the seminar determined by the interests of the faculty. Fall, Spring.

SPN 3760 CAH-LANG 3(3,0) Modern Hispanic Theatre Workshop I: PR: C.I. A study of the development of the modern Spanish theatre, with emphasis on contemporary playwrights and their works. Fall, Spring.

SPN 3320 CAH-LANG 3(3,0) Modern Hispanic Theatre Workshop II: PR: C.I. An introduction to the modern Spanish theatre, with emphasis on contemporary playwrights and their works. Fall, Spring.

SPN 3370 CAH-LANG 3(3,0) Spanish Short Story: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. A study of representative 19th and 20th-century Spanish short stories and their authors. Fall, Spring.

SPW 4272 CAH-LANG 3(3,0) 20th Century Spanish Novel: PR: SPN 3101 or SPN 3310 or C.I. A study of the leading writers of the 20th century. Spring.

SPW 3320 CAH-LANG 3(3,0) Golden Age Drama: PR: SPN 3000 or C.I. A study of the drama of the Golden Age, with emphasis on major playwrights and their works. Fall, Spring.

SPW 4322 CAH-LANG 3(3,0) Contemporary Iberian Theatre: PR: SPN 3101 or C.I. A study of the major playwrights and tendencies in contemporary Iberian theatre. Fall, Spring.

SPW 3320 CAH-LANG 3(3,0) Latin-American Narrative/Essay: PR: SPN 3100 or SPN 3130 or SPN 3310 or C.I. A study of the major playwrights and tendencies in contemporary Iberian theatre. Fall, Spring.

SPW 3464 CAH-LANG 3(3,0) Latin-American Narrative/Essay: PR: SPN 3100 or SPN 3130 or SPN 3310 or C.I. A study of the major playwrights and tendencies in contemporary Iberian theatre. Fall, Spring.


SPW 4382 CAH-LANG 3(3,0) Central American Literature: PR: SPN 3311 or C.I. A study of the leading writers of the 20th century. Spring.

SPW 4450 CAH-LANG 3(3,0) Spanish Literary Theory: PR: SPN 3310 and SPN 3311 or C.I. A study of the major playwrights and tendencies in contemporary Iberian theatre. Fall, Spring.

SPW 4500 CAH-LANG 3(3,0) Nineteenth-Century Spanish Literature: PR: SPN 3101 or C.I. A study of the development of the modern Spanish theatre, with emphasis on contemporary playwrights and their works. Fall, Spring.

SPW 4604 CAH-LANG 3(3,0) Cervantes: PR: SPN 3010 or C.I. A study of the major playwrights and tendencies in contemporary Iberian theatre. Fall, Spring.


SPW 3320 CAH-LANG 3(3,0) Caribbean Spanish Literature: PR: SPN 3101 or C.I. A study of the development of the modern Spanish theatre, with emphasis on contemporary playwrights and their works. Fall, Spring.

SPW 5015 CAH-LANG 3(3,0) History of the Spanish Language: PR: Graduate status or senior standing or C.I. An overview of the linguistic developments of the Romance languages, with a focus on Spanish. Fall, Spring.

SPW 7470 CAH-LANG 3(3,0) Caribbean Spanish Literature: PR: SPN 3101 or C.I. A study of the development of the modern Spanish theatre, with emphasis on contemporary playwrights and their works. Fall, Spring.

SPN 5020 AP Spanish Literature: PR: Graduate status or senior standing or C.I. Participation in a Spanish literature seminar, with the focus of the seminar determined by the interests of the faculty. Fall, Spring.

SPN 3320 CAH-LANG 3(3,0) Modern Hispanic Theatre Workshop I: PR: C.I. A study of the development of the modern Spanish theatre, with emphasis on contemporary playwrights and their works. Fall, Spring.

SPN 3321 CAH-LANG 3(3,0) Modern Hispanic Theatre Workshop II: PR: C.I. An introduction to the modern Spanish theatre, with emphasis on contemporary playwrights and their works. Fall, Spring.

SPT 3809 CAH-LANG 3(3,0) Medical Spanish Translation/Interpretation: PR: SPN 2241 and SPN 3420. A basic Spanish terminology, techniques, and the field of medical translation and interpretation. Fall, Spring.
STA 3032 COS-STAT  3(3,0)
Probability and Statistics for Engineers: PR: MAC 2312. Basic probability; theoretical probability; geometrical probability; distributions of location and dispersion; sampling and sampling distributions; estimation and tests of hypotheses; engineering applications. Fall, Spring.

STA 3022H ECS-IEMS  3(3,0)
Honors Probability and Statistics for Engineers: PR: MAC 2312 and honors standing. Fundamental probability and statistics principles, the underlying assumptions, the methods of implementing and interpreting them. With honors content. Fall, Spring.

STA 3006 COS-STAT  3(3,0)

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 4183 (or old number STA 3183). Economics of insurance, utility, theory, single premiums for insurance and annuities in both discrete and continuous cases. Not annual premium and not premium reserves. Fall.

STA 4131 COS-STAT  3(3,0)

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)

STA 4183 COS-STAT  3(3,0)
Theory of Interest: PR: MAC 2312 (or equivalent) and STA 2023. Measurement of simple and compound interest, 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 profit for simple options and forwards, hedging strategies, Black-Scholes option pricing, simple swaps, portfolio management with derivatives, duration analysis, collateral call and put. Spring.

STA 4186 COS-STAT  3(3,0)

STA 4187 COS-STAT  3(3,0)

STA 4222 COS-STAT  3(3,0)

STA 4321 COS-STAT  3(3,0)
Statistical Theory I: PR: STA 2023 or STA 3032; CR: MAC 2313. Probability axioms, discrete and continuous sample spaces, conditional probability, independence, one-dimensional random variables, moment generating functions, transformations, jointly distributed random variables. Fall.

STA 4322 COS-STAT  3(3,0)

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 4504 COS-STAT  3(3,0)

STA 4641 COS-STAT  3(3,0)

STA 4664 COS-STAT  3(3,0)

STA 4672 COS-STAT  3(3,0)

STA 4675 COS-STAT  3(3,0)

STA 4676 COS-STAT  3(3,0)

STA 4852 COS-STAT  3(3,0)

STA 4939 COS-STAT  3(3,0)
Problems in Actuarial Science: PR: STA 4322. Fundamental mathematical and statistical tools for quantitatively assessing risk, application of these tools to problems in actuarial science. May be repeated for credit. Occasional.

STA 4942 COS-STAT  3(3,0)
Practicum in Actuarial Science: PR: STA 4183 or STA 6185. Discussion and presentation by actuarial practitioners. Occasional.

STA 5085 COS-STAT  3(3,0)

STA 5103 COS-STAT  3(3,0)
Advanced Computer Processing of Statistical Data: PR: STA 4183 or STA 6185. Programming and nonprogramming 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.

STA 5139 COS-STAT  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 5157 COS-STAT  3(3,0)
Biometry: PR: STA 2023, graduate status or senior standing, or C.I. Design and analysis of experiments with emphasis on biological/ecological application; one-way and multi-way ANOVA; regression; ordination; classification. Spring.

STA 5176 COS-STAT  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-STAT  3(3,0)
Experimenal Design: PR: STA 4164, STA 5206 or STA 5219, and graduate status or senior standing. 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-STAT  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-STAT  3(3,0)
Categorical Data Methods: PR: STA 4183 or STA 5206, and graduate status or senior standing or C.I. Concepts discrete probability distributions, contingency tables, measures of association, and advanced methods, including loglinear modeling, logistic regression, McNemar’s Test, Mantel-Haenszel test. Occasional.

STA 5646 COS-STAT  3(3,0)
Casualty Insurance: PR: STA 4322 and STA 4641, graduate status or senior status or C.I. Concepts insurance, causality, etc. Risk rating and classification of risk for property/casualty insurance. Re insurance and expense issues. Reserves for insurance and loss adjustment expenses. Investment income. Occasional.

STA 5703 COS-STAT  3(3,0)
Data Mining Methodology I: PR: STA 5103 and STA 5205, graduate status or senior standing, or C.I. Data mining to uncover valuable information through SEMMA (Sample, Explore, Model, Modify, and Access). Process with neural network and decision tree. Fall.

STA 5825 COS-STAT  3(3,0)
Stochastic Processes and Applied Probability Theory: PR: STA 4321, 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.

STA 5940 COS-STAT  1(1)
Statistical Advice for Researchers: PR: Graduate status or senior standing or C.I. Discussion of student-supplied statistical problem, data sources, sampling techniques, computer package usage, analysis, interpretation. May be repeated for credit. Grad JU, Occasional.

STA 5948 COS-STAT  3(3,0)
Actuarial Science Practicum: PR: STA 4183 or STA 6185. Study and projects on problems in actual practice; discussions and presentations by practitioners from life insurance, casualty, etc. Occasional.
SUR 2101C ECS-CECE 3(2,3)
Surveying: PR: MAC 2311 and Junior standing. Theory and field practice in surveying measurements and the reduction and adjustment of field data. Spring.

SUR 3324C ECS-ENT 3(0,1)
Digital Cartography: PR: SUR 4380. Coordinate systems, dot maps, data models and map digitizing, multivariate mapping, data measurement, typography, map compilation and map production. Occasional.

SUR 3331 ECS-ENT 3(0,0)
Photogrammetry: PR: SUR 2140C (Advanced Surveying) - offered only at community colleges. History of photogrammetry, principles of aerial imaging, digital imaging, geometry of aerial photography, image and object space, stereovision, stereometry, and topographic mapping. Occasional.

SUR 3530C ECS-ENT 3(2,2)
Geodetic Science: PR: SUR 2101C or C.I. Spherical trigonometry, basic topics in geodesy including geodesics reference systems and earth models, state geographic coordinates, astronomic observations, time systems, and satellite orbits. Spring.

SUR 3641 ECS-ENT 3(0,0)

SUR 4360C ECS-ENT 3(0,1)

SUR 4380 ECS-ENT 3(0,0)

SUR 4403 ECS-ENT 3(0,0)
Boundary Location: PR: ETD 2350C or C.I. Professional surveying, legal recordation, property surveying and ownership, retracement surveys, evidence & preservation of evidence, easements, and role of surveyor in court. Occasional.

SUR 4420 ECS-ENT 3(0,0)

SUR 4463 ECS-ENT 3(0,0)
Land Subdivision and Platting: PR: SUR 4403. Land development models, operations and subdivision ordinance, plat recording, development potential evaluation, and site design considerations including topographic, geotechnical, and plat design specification. Occasional.

SUR 4531 ECS-ENT 3(0,0)

SYA 3110 COS-SOC 3(0,0)
Social Theory: PR: Junior standing and 9 hours of upper level sociology courses or C.I. Theories concerning the nature of mankind as a “social being.” The nature of society from the beginnings of the scientific study of human life to World War II. Spring.

SYA 3120 COS-SOC 3(0,0)
Contemporary Social Theory: PR: Junior standing and 9 hours of upper level sociology courses or C.I. A study of major European and American contributors to modern sociology since World War II. Occasional.

SYA 3400C COS-SOC 4(3,1)
Applied Social Statistics: PR: SYG 2000 and one other sociology course. 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 4112 COS-SOC 3(0,0)

SYA 4300C COS-SOC 3(4,2)
Research Methods: PR: SYG 2000 or SYG 2010 or C.I. Sociological data collections, sampling techniques, grant proposal development, critical evaluation of social research, and relationship between theory and social research. Fall.

SYA 4310C COS-SOC 4(3,1)
Qualitative Research Analysis in Sociology: PR: SYA 4300C. Advanced research design and analysis focusing on qualitative methods in sociology. Emphasizes data collection, management, analysis, interpretation, integration, presentation, and report writing. Occasional.

SYA 4450 COS-SOC 3(4,2)
Data Analysis: PR: SYA 4300C and SYA 3400C. Advanced applications of computer technology to social science analysis. Emphasis on social data analysis, various modes of social data analysis, interpretation, integration, presentation, and report writing. Spring.

SYA 4650C COS-SOC 3(2,2)

SYA 5625 COS-SOC 3(0,0)
ProSeminar: PR: Graduate standing or C.I. Survey of conceptual issues, methodological concerns, and findings in substantive sociological disciplines that currently dominate scholarly inquiry, including such topics as crime, deviance, community, alcoholism, education. Fall.

SYA 5652 COS-SOC 3(0,0)
Advanced Population: PR: Graduate standing or C.I. Examination of demographic methods and information utilized by demographers and focuses on techniques of application of those skills. Occasional.

SYD 3410 COS-SOC 3(0,0)

SYD 3700 COS-SOC 3(3,0)
Race and Ethnicity: PR: SYG 2000 or C.I. Theoretical analysis of the emergence, maintenance, and disruption of patterns of racial and ethnic stratification. Fall, Spring.

SYD 3750 COS-SOC 3(3,0)

SYD 3751 COS-SOC 3(3,0)

SYD 3752 COS-SOC 3(3,0)
Modern Law in Indian Country: PR: 2000 level social science course or C.I. Examination of impact of unique legal relationship between American Indian governments, and state federal governments. Legal issues include criminal justice, child welfare, and land ownership. Occasional.

SYD 3800 COS-SOC 3(3,0)

SYD 4020 COS-SOC 3(0,0)

SYD 4510 COS-SOC 3(0,0)

SYD 4514 COS-SOC 3(0,0)

SYD 4810 COS-SOC 3(0,0)
Women in Contemporary Society: PR: SYG 2000 or WST 3015 or C.I. 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 4813 COS-SOC 3(0,0)

SYD 5517 COS-SOC 3(0,0)
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-SOC 3(0,0)
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-SOC 3(0,0)
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-SOC 3(3,0)
General 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-SOC 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 2590 COS-SOC 0(0,8)

SYG 3000 COS-SOC 3(0,0)

SYG 3360 COS-SOC 3(0,0)
Social Organization and Human Relations: 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.
THE 2304 CAH-THEA 3(3,0)
Script Analysis: PR: Theatre major or minor. Explores dramatic form with focus on playwrights for productions. Fall, Spring.

THE 2925L CAH-THEA 0(0,VAR)
Theatre Participation: PR: Theatre major or minor. Participation in UCF Theatre productions. Graded S/U. May be used in the degree program a maximum of 8 times. Fall, Spring.

THE 3082 CAH-THEA 3(3,0)
Theatre Practices: PR: Theatre major or minor, Sophomore standing, and "C" (2.0) or better in THE 2020 or THE 2000. Techniques to secure employment in theatre and related fields. Occasional.

THE 3240 CAH-THEA 3(3,0)
Musical Theatre Survey: PR: Grade of C (2.0) or better required in THE 2020 or THE 2000. Origins and evolution of Musical Theatre from the Ancient Greeks through the present day. Occasional.

THE 3272 CAH-THEA 3(3,0)

THE 3311 CAH-THEA 3(3,0)
Theatre History and Dramatic Literature I: PR: Theatre major or minor, "C" (2.0) or better in THE 2304 and Sophomore standing. Theatre history and drama from the Greeks to the Renaissance. Fall.

THE 3312 CAH-THEA 3(3,0)
Theatre History and Dramatic Literature II: PR: Theatre major or minor, "C" (2.0) or better in THE 3311 and Sophomore standing. Theatre history and drama from French neo-classicism to modern realism. Spring.

THE 3333 CAH-THEA 3(3,0)

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 minor, "C" (2.0) or better in THE 2000. 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 Theater: 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 2020 or THE 2000. 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.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites/Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>TPA 3077C</td>
<td>CAH-THEA</td>
<td>3(2,2)</td>
<td>M&amp;S fee: $20.00</td>
</tr>
<tr>
<td>TPA 3195L</td>
<td>CAH-THEA</td>
<td>3(VAR)</td>
<td>PR: 'C' (2.0) or better in TPA 2000C and TPA 2071C. Projects in scene painting techniques. Fall. M&amp;S fee: $45.00</td>
</tr>
<tr>
<td>TPA 3221C</td>
<td>CAH-THEA</td>
<td>3(2,2)</td>
<td>PR: TPA 3050C and TPA 2220C. Projects in the fundamentals of lighting design for the stage. Spring. M&amp;S fee: $35.00</td>
</tr>
<tr>
<td>TPA 3490C</td>
<td>CAH-THEA</td>
<td>2(2,2)</td>
<td>PR: 'C' (2.0) or better in TPA 2440C. Laboratory study of basic techniques needed for the creation of stage and film prosthetics and masks. Occasional. M&amp;S fee: $45.00</td>
</tr>
<tr>
<td>TPA 3833C</td>
<td>CAH-THEA</td>
<td>2(2,4)</td>
<td>PR: 'C' (2.0) or better in TPA 3050C and TPA 2220C. Projects in the fundamentals of sound design for the stage. Spring.</td>
</tr>
<tr>
<td>TPA 3860C</td>
<td>CAH-THEA</td>
<td>3(0,0)</td>
<td>PR: 'C' (2.0) or better in TPA 2800. Responsibilities of the stage manager prior to, during, and after performance as related to Departmental productions as well as professional union requirements. Fall.</td>
</tr>
<tr>
<td>TPA 4061C</td>
<td>CAH-THEA</td>
<td>3(2,2)</td>
<td>PR: 'C' (2.0) or better in TPA 3040C. A continuation of TPA 3040C. Spring.</td>
</tr>
<tr>
<td>TPA 4066C</td>
<td>CAH-THEA</td>
<td>3(2,2)</td>
<td>PR: TPA 3060C, TPA 3040C, TPA 3260C, or TPA 3221C. Project-based work in student's area of concentration. May be used in the degree program a maximum of 4 times only when course content is different. Occasional.</td>
</tr>
<tr>
<td>TPA 4095C</td>
<td>CAH-THEA</td>
<td>2(2,2)</td>
<td>PR: 'C' (2.0) or better in TPA 3060C. Project scene design work with an emphasis on design visualization, communication and professional standards and practices. Spring. M&amp;S fee: $37.00</td>
</tr>
<tr>
<td>TPA 4250C</td>
<td>CAH-THEA</td>
<td>2(2,2)</td>
<td>PR: 'C' (2.0) or better in TPA 2211L. Computer-aided drafting and design and its application for Theatre. Fall. M&amp;S fee: $23.00</td>
</tr>
<tr>
<td>TPA 4251C</td>
<td>CAH-THEA</td>
<td>2(2,2)</td>
<td>PR: TPA 3050C, TPA 3040C, TPA 3260C, or TPA 3221C. Project-based work in student's area of concentration. May be used in the degree program a maximum of 4 times only when course content is different. Occasional.</td>
</tr>
<tr>
<td>TPA 4264C</td>
<td>CAH-THEA</td>
<td>3(2,2)</td>
<td>PR: 'C' (2.0) or better in TPA 3060C. Project scene design work with an emphasis on design visualization, communication and professional standards and practices. Occasional.</td>
</tr>
<tr>
<td>TPA 4293L</td>
<td>CAH-THEA</td>
<td>1(0,VAR)</td>
<td>PR: 'C' (2.0) or better in TPA 2320L. Participation in UCF Theatre Productions. May be used in the degree program a maximum of 8 times. Fall. M&amp;S fee: $15.00</td>
</tr>
<tr>
<td>TPA 4384C</td>
<td>CAH-THEA</td>
<td>3(3,4)</td>
<td>PR: TPA 2210 and TPA 2211. Variable topics which may include Technical Direction or other advanced topics for members of the stage management team. May be used in the degree program a maximum of 4 times. Occasional. M&amp;S fee: $35.00</td>
</tr>
<tr>
<td>TPA 4400</td>
<td>CAH-THEA</td>
<td>3(3,0)</td>
<td>PR: 'C' (2.0) or better in TPA 2000 or TPA 2020. Restricted to theatre majors or Departmental consent. Study of the development, organization, management, funding, and promotion of theatre programs. Additional emphasis placed on management theory and style. Fall.</td>
</tr>
<tr>
<td>TPA 4401C</td>
<td>CAH-THEA</td>
<td>2(2,2)</td>
<td>PR: TPA 2240C. Program a maximum of 5 times.</td>
</tr>
<tr>
<td>TPA 4502C</td>
<td>CAH-THEA</td>
<td>3(2,2)</td>
<td>PR: TPA 3060C. Project in the conceptualization and communication of scenic designs for the stage. Spring.</td>
</tr>
<tr>
<td>TPA 5042C</td>
<td>CAH-THEA</td>
<td>3(2,2)</td>
<td>PR: TPA 5062C. Project in the conceptualization and communication of scenic designs for the stage. Spring.</td>
</tr>
<tr>
<td>TPA 5081C</td>
<td>CAH-THEA</td>
<td>3(3,3)</td>
<td>PR: TPA 3060C. Project in the conceptualization and communication of scenic designs for the stage. Spring.</td>
</tr>
<tr>
<td>TPA 5085C</td>
<td>CAH-THEA</td>
<td>1(1,1)</td>
<td>PR: TPA 5065C. Software and technology available for visual communication and documentation. Spring.</td>
</tr>
<tr>
<td>TPA 5175C</td>
<td>CAH-THEA</td>
<td>1(1,1)</td>
<td>PR: TPA 5055C. Software and technology available for visual communication and documentation. Spring.</td>
</tr>
<tr>
<td>TPA 5345C</td>
<td>CAH-THEA</td>
<td>2(2,2)</td>
<td>PR: TPA 3245C. Three-dimensional computer drafting and editing techniques applicable to theatre design. Occasional.</td>
</tr>
<tr>
<td>TPA 5450</td>
<td>CAH-THEA</td>
<td>3(2,2)</td>
<td>PR: TPA 3040C. Project in the conceptualization and communication of scenic designs for the stage. Fall.</td>
</tr>
<tr>
<td>TPA 5585C</td>
<td>CAH-THEA</td>
<td>2(2,2)</td>
<td>PR: TPA 3050C. Project in the conceptualization and communication of scenic designs for the stage. Spring.</td>
</tr>
<tr>
<td>TPA 5946C</td>
<td>CAH-THEA</td>
<td>1(2,0)</td>
<td>PR: TPA 3050C. Project in the conceptualization and communication of scenic designs for the stage. Spring.</td>
</tr>
<tr>
<td>TTP 2101</td>
<td>CAH-THEA</td>
<td>3(3,0)</td>
<td>PR: TPA 2220C. Project in the conceptualization and communication of scenic designs for the stage. Spring.</td>
</tr>
<tr>
<td>TTP 2108C</td>
<td>CAH-THEA</td>
<td>3(3,0)</td>
<td>PR: TPA 3050C. Project in the conceptualization and communication of scenic designs for the stage. Spring.</td>
</tr>
<tr>
<td>TTP 2110C</td>
<td>CAH-THEA</td>
<td>3(2,3)</td>
<td>PR: TPA 2220C. Project in the conceptualization and communication of scenic designs for the stage. Spring.</td>
</tr>
<tr>
<td>TTP 2117C</td>
<td>CAH-THEA</td>
<td>3(2,2)</td>
<td>PR: TPA 3050C. Project in the conceptualization and communication of scenic designs for the stage. Spring.</td>
</tr>
<tr>
<td>TTP 2190C</td>
<td>CAH-THEA</td>
<td>3(3,0)</td>
<td>PR: TPA 2220C. Project in the conceptualization and communication of scenic designs for the stage. Spring.</td>
</tr>
<tr>
<td>TTP 2260</td>
<td>CAH-FILM</td>
<td>3(3,0)</td>
<td>PR: TPA 3050C. Project in the conceptualization and communication of scenic designs for the stage. Spring.</td>
</tr>
<tr>
<td>TTP 2700C</td>
<td>CAH-THEA</td>
<td>3(2,2)</td>
<td>PR: TPA 3050C. Project in the conceptualization and communication of scenic designs for the stage. Spring.</td>
</tr>
<tr>
<td>TTP 3103</td>
<td>CAH-THEA</td>
<td>3(3,0)</td>
<td>PR: TPA 3050C. Project in the conceptualization and communication of scenic designs for the stage. Spring.</td>
</tr>
<tr>
<td>TTP 3172C</td>
<td>CAH-THEA</td>
<td>3(2,2)</td>
<td>PR: TPA 3050C. Project in the conceptualization and communication of scenic designs for the stage. Spring.</td>
</tr>
<tr>
<td>TTP 3197L</td>
<td>CAH-THEA</td>
<td>3(0,VAR)</td>
<td>PR: TPA 3050C. Project in the conceptualization and communication of scenic designs for the stage. Spring.</td>
</tr>
</tbody>
</table>
Acting IV - Creating the Role:

TPP 4140C CAH-THEA  3(2,2)

Ter in TPP 3172C. Continued exploration and application of maximum of 8 times. 

TPP 4143C CAH-THEA  2(2,2)

Theatre productions. May be used in the degree program a maximum of 8 times.

TPP 4144 CAH-THEA  3(2,2)

The Art of Storytelling: PR: Theatre major or minor; C (2.0) or better in TPP 2101 or TPP 2110C and TPP 3526 and TPP 2100 or THE 2000 or THE 2020. Application of theatrical storytelling as an art form. Occasional.

TPP 4153C CAH-THEA  3(2,2)

MUSICAL THEATRE ACTING: PR: B.F.A. Musical Theatre major, and C (2.0) or better in TPP 3252 and TPP 3526. Advanced work in cabaret/one-person construction and performance with an emphasis on show preparation. Occasional.

TPP 4250C CAH-THEA  3(2,2)

Movement Study II: PR: Acting major or minor and "C" (2.0) or better in TPP 3172C, focusing on a physical approach to acting techniques needed to secure employment in performance or related fields. Spring.

TPP 4243C CAH-THEA  2(2,2)

Circus Arts: PR: Theatre major or minor; C (2.0) or better in TPP 2101 or TPP 2110C and THE 2000 or THE 2020. Circus history and introduction to a wide range of circus skills. Occasional.

TPP 4244 CAH-THEA  3(2,2)

Musical Theatre Voice III: PR: "C" (2.0) or better in TPP 3526. Diagnosis and remedy of unique vocal challenges - utilizing musical theatre repertoire. Individualized instruction. Spring.

TPP 4265C CAH-THEA  3(2,2)

Musical Theatre Acting I: PR: B.F.A. Musical Theatre major, and a "C" (2.0) or better in TPP 3252 and TPP 3526. Rehearsal planning for a TV/Film project. Spring.

TPP 4270C CAH-THEA  3(2,2)

Music Theatre Voice V: PR: "C" (2.0) or better in TPP 4923C. Advanced diagnosis and development of the singing voice and its application to musical theatre performance. Individualized instruction. Spring.

TPP 4271C CAH-THEA  3(2,2)

Music Theatre Voice VI: PR: "C" (2.0) or better in TPP 4207C. Continuation of TPP 4207C and its application to music theatre performance. Individualized instruction. Fall.

TPP 4311C CAH-THEA  3(2,2)

Advanced Directing for Theatre: PR: "B" (3.0) or better grade in TPP 5157C. Practical experience directing class scenes and projects. Fall.

TPP 4351C CAH-THEA  2(2,2)

Musical Theatre Repertoire: PR: Theatre major and Junior standing. Stage combat with emphasis on hand-to-hand combat. Occasional.

TPP 4512C CAH-THEA  3(2,2)

Stage Combat: PR: BFA Acting or Musical Theatre major, grade of "C" (2.0) or better in TPP 3711C, and Senior standing. Stage combat with emphasis on hand-to-hand combat. Occasional.

TPP 4922C CAH-THEA  3(3,0)

Auditioning: PR: "C" (2.0) or better in TPP 3270C. Selecting monologues, auditioning techniques and cold readings. Spring.
TPP 5754 CAH-THEA 2(0.0)
Musical Theatre Voice I: PR: Admission to MFA Musical Theatre graduate program; 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 used 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-TLP 3(3.0)
Theoretical and Practical Teaching of ESOL Students in Schools: PR: Junior standing or C.I. Focuses on methods of teaching English to Speakers of Other Languages (ESOL), ESOL curriculum 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. Emphasis upon theoretical and interdisciplinary approaches to gender, ethnicity, national origin, and professional development in the teaching of English to Speakers of Other Languages. Fall, Spring.

TSL 5085 ED-TLP 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)
ESOL 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-TLP 3(3.0)
Methods of ESOL 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. 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 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-TLP 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 5940 CAH-LANG 3(3.0)
Issues in TELF: PR: Graduate status or senior standing or C.I. Address issues specifically related to TELF such as materials adaptation, teaching in multi-level classrooms, learning styles, cultural issues, and curriculum syllabus design. Spring.

TTE 4004 ECS-CECE 4(4.0)
Transportation Engineering: PR: SUR 2101C. EGN 3613 and STA 3032. Investigation of highway and transportation systems. Approaches to planning, design, operation and administration of transportation networks. Fall, Spring.

TTE 4601C ECS-CECE 3(2.2)
Urban Systems Design: PR: TTE 4004. Project course on design of transportation and urban systems using engineering design methodologies. Spring. M&S fee: $15.00.

TTE 5204 ECS-CECE 3(3.0)
Traffic Engineering: PR: TTE 4004. Study of operator and vehicle characteristics, and design for street capacity, signals, signs, and markings. Occasional.

TTE 5700 ECS-CECE 3(3.0)

TTE 5805 ECS-CECE 3(3.0)
Geometric Design of Transportation Systems: PR: TTE 4004 or C.I. Study of highway geometric design in the engineering of transportation systems. Occasional.

TTE 5835 ECS-CECE 3(3.0)
Pavement Design: PR: CEG 4011C. Pavement types, wheel loads, stresses in pavement components; design factors such as traffic configurations, environment, and economy. Occasional.

VIC 300 COS-COMM 3(3.0)
Visual Communication: PR: TPC 1608 or 1609 or 1603 or 1600. A study of human visual systems and influences of visual media on modern society. Fall, Spring.

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 time. Fall, Spring.

WOH 2012H CAH-HIST 3(3.0)

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)
World Civilization II - Honors: PR: Permission of the 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 3015 CAH-WOM 3(3.0)
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.

WOH 3015H CAH-WOM 3(3.0)

WOH 3020 CAH-WOM 3(3.0)
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 contexts. Occasional.

WOH 3371 CAH-WOM 3(3.0)
Women and Leadership: PR: ENC 1102. Interdisciplinary, feminist perspectives on women and leadership, examining issues such as gender differentiation; gender leadership styles, obstacles facing women leaders, and learning from women leaders. Occasional.

WST 3460 CAH-WOM 3(3.0)
Womanist Studies: 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)

WST 3500 CAH-WOM 3(3.0)
Gender Issues and Community Activism: PR: WST 3015 or C.I. Feminist perspectives applied to current community issues. Interdisciplinary analyses 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 3621 CAH-WOM 3(3.0)
Theories of Masculinity: PR: ENC 1102. Masculinity from a 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 1(1.0)
Researching Women and Gender: PR: WST 3015 or C.I. Introduction to feminist methodologies and research in a variety of areas pertaining to the study of women and gender relations. Occasional.

WST 4021 CAH-WOM 3(3.0)

WST 4022 CAH-WOM 3(3.0)

WST 4023 CAH-WOM 3(3.0)

WST 4349 CAH-WOM 3(3.0)

WST 4415 CAH-WOM 3(3.0)

WST 5347 CAH-WOM 3(3.0)
Research Seminar in Gender Studies: PR: Graduate status or senior standing, or C.I. Research seminar exploring relationships among feminist theorizing, research, and social change, the development of gender studies programs and their relationships to other academic disciplines. Occasional.

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.

ZOO 3701C COM-M&M 3(1.4)
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 materials (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: $45.00
ZOO 3733C COS-BIOL  4(3,6)
Comparative Vertebrate Anatomy: PR: BSC 2010C and BSC 2011C, or C.I. The vertebrate animals, relationships of organs and systems, and their phylogenetic significance. Fall. M&S fee: $35.00

ZOO 3733H COM-M&M  4(3,3)
Honors Human Anatomy: PR: BSC 2010C or equivalent. Structure of the human body. Fall, Spring. M&S fee: $15.00

ZOO 3736C COS-BIOL  4(3,2)
Exercise Physiology Anatomy: PR: BSC 2010C, Cl. Gross anatomy for exercise physiology majors. Fall. Spring. M&S fee: $15.00

ZOO 3744 COM-M&M  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 4205C COS-BIOL  4(3,3)

ZOO 4310C COS-BIOL  4(2,6)
Vertebrate Evolution & Ecology: PR: BSC 2010C, BSC 2011C, PCB 3044, PCB 3063 or C.I. Vertebrate 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: $45.00

ZOO 4513 COS-BIOL  3(3,0)
Animal Behavior: PR: PCB 3044. Study of the current ideas in animal behavior, including the mechanism of behavior and evolutionary explanations. Odd Fall.
ABBAS, HADI, Assistant Professor of Art (1995), B.F.A., M.F.A. (Wichita State University)

ABDALLAH, NAZIH, Lecturer School of Electrical Engineering and Computer Science (2005), Ph.D. (University of Paris)

ABDEL-ATY, MOHAMED, Professor of Engineering, Graduate Program Director (1995), B.S.C.E., M.S.C.E., Ph.D. (University of California at Davis), P.E. (Florida)

ABEL, EILEEN M., Associate Professor of Social Work (1978), A.B., M.S.W., Ph.D., (Case Western Reserve University)

ABRAHAM, CHARLIE, Associate Professor of Art (1996), B.F.A., M.F.A. (University of Mississippi)

ADAMS, JOANNE, Visiting Associate Professor of Digital Media (2008), B.F.A, M.F.A. (Florida State University)

ADAMS, KENNETH, Professor of Public Affairs (2003), Ph.D (State University of New York at Albany)


AHANGARI, RAHELEH, Instructor (2007), M.D. (Carol Davila University of Medicine and Pharmacy, Ph.D. (University of Salamanca)


AHERN, NANCY, Assistant Professor, College of Nursing (2004), M.S.N., Ph.D. (University of Central Florida)

AJAYI, RICHARD A., Associate Professor of Finance (1996), B.Sc., M.B.A., Ph.D. (Temple University)

AKITA, KIMiko, Assistant Professor of Communication (2005), B.A., M.A., Ph.D. (Ohio University)

AL-DEEK, HATHAM, Professor of Engineering (1992), B.C.E., M.S., Ph.D., (University of California at Berkeley), P.E. (Florida)

ALABI, FORTUNE, Courtesy Assistant Professor of Internal Medicine (2008), M.D.

ALBERS-BIDDLE, JUNIE, Instructor of Education (2001), B.A., M.A. (University of Central Florida)

ALDERMAN, BARBARA, Assistant Librarian (2002), B.A., M.S. (Florida State University)

ALEXANDER-SNOW, MIA, Assistant Professor of Education (2008), B.A., M.Ed., Ph.D. (Vanderbilt University)

ALLEN, Darryl E., Lecturer of Accounting (2003), B.B.A., M.B.A., Ph.D. (George Washington University)

ALLEN, FRANK R., Associate Director for Administrative Services (1998), B.A., B.S., M.B.A., M.L.S. (University of Tennessee)

ALLEN, JEFFREY W., Associate Professor of Marketing (1990), B.S., M.B.A., D.B.A. (University of Kentucky)

ALLEN, KAY WILLIAMSON, Associate Professor of Education (1993), B.S., M.Ed., Ph.D. (University of South Carolina)

ALLGOOD, JANE, Graduate Coordinator and Assistant Professor of Social Work (2002), B.A., M.S.W., Ph. D. (Florida State University)

ALLRED, KELLY, Assistant Professor, College of Nursing (2007), B.S.N., M.S.N., Ph.D. (University of Central Florida)

ALMEIDA, JOHN A., Associate Professor of Music (1997), B.M., M.A. (Appalachian State University)

ALTOBAI, DEBORAH, Assistant Professor (2009), Ph.D. (Rutgers, the State University of New Jersey)

AMBROSE, MAUREEN L., Professor of Management (1999), B.A.M., Ph.D. (University of Illinois at Urbana-Champaign)

AMIDEI, CHRISTINA, Instructor, College of Nursing (2008), F.A.A.N., M.S.N. (Loyola University of Chicago)

AN, LINAN, Associate Professor of Engineering (2001), Ph.D. (Lehigh University)

ANDERSON, RANDY, I., Howard Phillips Eminent Scholar Chair of Real Estate and Professor of Real Estate (2008), B.A., Ph.D. (University of Alabama)

ANDREASEN, JANET, Visiting Assistant Professor of Education (2005), B.S., M.A., Ed.D. (University of Central Florida)

ANDREWS, DIANE, Assistant Professor, College of Nursing (2006), M.S.N., Ph.D. (University of Central Florida)

ANGELOPOULOS, THEODORE, Professor of Health Sciences and Secondary Joint Professor of Medicine (1998), B.S., M.S., Ph.D. (University of Pittsburgh)

ANGLEY, PATRICIA, Instructor of English (1998), B.A., M.A., Ph.D. (University of Hawaii)

APPLEGATE, BRANDON, Associate Professor of Criminal Justice (1996), B.S., M.S., Ph.D. (University of Cincinnati)

APPLEN, J.D., Associate Professor of English (1997), B.S., M.F.A., Ph.D. (University of Arizona)

ARK, PAMELA, Assistant Professor, College of Nursing (2004), M.S.N., Ph.D. (University of Tennessee, Memphis)

ARMACOST, ROBERT, Special Advisor to the Dean, College of Medicine (1991), D.Sc. (The George Washington University)

ARNOLD, VICKY J., Chairholder, Ernst & Young Professorship and Professor of Accounting (2005), B.A., M.B.A., Ph.D. (University of Kentucky)

AROIAN, KAREN, Professor, College of Nursing (2008), F.A.A.N., B.S., M.S., Ph.D. (University of Washington)

ARTHUR, MICHAEL A., Head, Acquisitions & Collections and Assistant Librarian (2006), B.S., M.L.S., M.P.A. (Old Dominion University)

ASHLEY, ROBERT A., Assistant Professor of Hospitality Management (1984), B.S., M.S. (Florida International University, C.E.C., C.C.E.)

ATKINSON, TOM, Assistant Professor of Education (2006), B.M.E., M.S.E., Ph.D. (Louisiana State University)

AZIMI, CYRUS, Lecturer of Psychology (2008), B.S., Ph.D. (Michigan State University)

BAGLEY, GEORGE M., Associate Professor of Communication (1994), B.A., M.A. (University of Utah)

BAI, HAIYAN, Assistant Professor of Education (2006), B.A., M.A., Ph.D. (University of Cincinnati)

BALL, I. CORI, Courtesy Assistant Professor of Obstetrics & Gynecology (2008), M.D.

BAKER, BARRY B., Director, University Libraries (1997), B.A., M.L.S. (Louisiana State University)

BALKWILL, DAVID, Professor of Microbiology (2009), Ph.D. (Pennsylvania State University)

BALLOW, JOHN,F., Professor of Chemistry (1998), B.A., M.S., Ph.D. (State University of New York at Stony Brook)

BALLINGER, BETHANY, Assistant Professor Emergency Medicine (2009), M.D. (University of London)

BARBER, SARAH, Assistant Professor of Anthropology (2007), Ph.D. (University of Colorado)

Barfield, Rufus, Associate Professor of Communication (1998), B.A., M.A., Ph.D. (Howard University)

BARNES, THOMAS, Courtesy Assistant Professor of Family Medicine (2008), M.D.

BARONE, BRIAN, Instructor of Italian (2006), B.A. (University of Notre Dame)

BARRATT, AMY, Externship Coordinator and Instructor of Communication Sciences and Disorders (2004), B.A., M.A. (University of Central Florida)

BASKIEVICH, JOCELYN, Associate Professor of English (1994), B.A., M.A., M.F.A., Ph.D. (University of Iowa)

BASCO, BUENAVENTURA B., Associate Librarian (1999), B.S.I.E., M.B.A., M.A.L.I.S. (University of South Florida)

BASSIOUNI, MOSTAFA, Professor School of Electrical Engineering and Computer Science (1981), B.S., M.S., Ph.D. (Pennsylvania State University)

BAST, CAROL M., Associate Professor of Legal Studies (1992), B.A., M.A., J.D. (New York Law School)

BASU, SAPTARSHI, Assistant Professor of Engineering (2007), Ph.D. (University of Connecticut)

BATARSEH, ISSA E., Director and Professor School of Electrical Engineering and Computer Science (1991), B.S., M.S., Ph.D. (University of California at Davis), P.E. (Florida)

BATCHELEDER, HEATHER, Visiting Assistant Professor (2008), B.A., M.A., Ph.D. (University of Central Florida)


BAYER, CYNTHIA A., Research Assistant, Professor (1996), B.S., Ph.D. (Syracuse University)

BEARDSLEY, DAVID, Courtesy Instructor of Psychiatry (2000), M.S.W,M.B.A.

BECKER, DEBORAH, Associate Faculty of Education (2001), B.A., M.Ed., Ed.D. (University of Central Florida)

BECKER, LYNN, Instructor of Management (1996), B.S., M.B.A. (University of Central Florida)

BEHAL, AMAN, Assistant Professor School of Electrical and Computer Science (2008), B.S., M.S., Ph.D. (Clemson University)

BEHIZADAN, AMIR, Assistant Professor of Engineering (2008), B.E., M.Eng., Ph.D. (University of Michigan)

BEDELL, DEBORAH C, Professor of Psychology (2007), M.S., M.Ed., Ph.D. (University of Pittsburgh)


BEILER, ROSALIND J., Associate Professor and Chair of History (1994), B.A., Ph.D. (University of Pennsylvania)

BELLFIELD, KEVIN D., Chair and Professor of Chemistry and Secondary Joint Professor of Optics and MAE (1998), B.S., Ph.D. (Syracuse University)

BELL, KATHLEEN, Associate Professor of English (1991), B.S., Ed.M., Ph.D. (Arizona State University)

BENFORD, TANYA S., Assistant Professor of Accounting (2004), B.A., M.B.A., Ph.D (University of South Florida)

BENTON, CYNTHIA, Instructor of Political Science (1989), B.A., M.A. (Ohio University)
CARBONE, THOMAS, Research Associate, FIEA (2005), B.S., M.S. (University of Utah)

CARDULLO, VICKY, Instructor of Education (2001), B.S., M.Ed. (University of Central Florida)

CARLSON, KEITH, Instructor/Coordinator of Mathematics (2009), B.A., M.S. (University of Illinois)

CARSON, CECILE, Associate Professor of Communication Sciences and Disorders (2004), B.S., M.S., Ph.D. (Wichita State University)

CARTER, J. SCOTT, Assistant Professor of Sociology (2007), B.A., M.S., Ph.D. (University of South Carolina)

CARTER, SHANNON, Visiting Assistant Professor Of Sociology (2007), B.A., M.A., Ph.D. (University of Florida)

CARUANA, RALPH, Associate Dean for Clinical Affairs, Chair of the College of Medicine and Professor of Internal Medicine (2007), B.A., M.A., Ph.D. (University of Florida)

CARUANA, RALPH, Associate Professor Of Sociology (2007), B.A., M.A., Ph.D. (University of Florida)

CASSANELLO, ROBERT V., Assistant Professor of History (2000), B.A., M.L.L. (University of South Florida)

CASH, MASON, Associate Professor of Philosophy (2003), B.S., Dip.Hum. M. Phil, Ph.D (University of Alberta)

CASMIER-PAZ, LYNN A., Associate Professor of English (1997), B.A., M.A., Ph.D. (University of Pittsburgh)

CASSANELLO, ROBERT V., Assistant Professor of History (2007), B.A., M.A., Ph.D. (Florida State University)

CASSISI, JEFFREY E., Professor of Psychology (2007), M.A., Ph.D. (University of Florida)

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LLEWELLYN, RALPH A., Professor Emeritus of Physics (1980), B.S., Ph.D. (Purdue University)

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ROLLINS, JACK B., Professor Emeritus of Psychology (1969), B.S., M.S., Ph.D. (University of Georgia)

RUBIN, RONALD S., Professor Emeritus of Mathematics (1972), B.A., M.A., Ph.D. (University of Massachusetts)

RUTHERFORD, H. III, Associate Professor Emeritus of Accounting (1975), B.S., M.S., Ph.D. (Louisiana State University)

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SHOFNER, JERRELL H., Professor Emeritus of History (1972), B.S., M.S., Ph.D. (Florida State University)

SILVESTRINI, WILFRED, Professor Emeritus of Optics (1990), B.S., Ph.D. (University of Utah)

SMITH, HARRY W., JR, Professor Emeritus of Theatre (1969), B.A., M.A., Ph.D. (Tulane University)

SMITH, WILLIAM F., Professor Emeritus of Biology (1970), B.S., Ph.D. (Cornell University)

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STEGEMAN, GEORGE I.A., Professor Emeritus of Optics and Electrical Engineering (1990), B.S., M.S., Ph.D. (University of Florida)

STEWART, LINDA, Professor Emeritus of Statistics (1972), M.S., Ph.D. (University of North Carolina)

STOUT, J. RICK, Professor Emeritus of Biology (1978), B.S., M.S., Ph.D. (Washington State University)

SWEENY, MICHAEL J., Professor Emeritus of Molecular Biology and Microbiology (1972), B.S., M.S., Ph.D. (University of Florida)

WILLIAMS, ERIC D., Associate Professor Emeritus of Biomedical Engineering (1970), B.S., M.S., Ph.D. (Florida State University)

WYCOFF, EDWARD J., Associate Professor Emeritus of Communication (1970), B.S., M.B.A., Ph.D. (Florida State University)

YOUNES, YOUSEF A., Professor Emeritus of Engineering (1970), B.S., M.B.A., Ph.D. (University of Texas, P.E. (Florida, Texas)
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ABDELRAHIM, MAEN A., Courtesy Associate Professor Biomolecular Science Center (2008), B.Sc. in Pharmacy, Ph.D. (Texas A&M University, College Station)

AGUIRRE, LILLIAN, Courtesy Instructor of Nursing (2009), BS, MS (University of Central Florida)

ANAGNOSTOPOULOS, GEORGIOS, Courtesy Assistant Professor (2007), PSP, M.S., Ph.D. (University of Central Florida)

ARLEN, PHILIP A., Courtesy Assistant Professor (2008), Ph.D.

AWE, JAIME J., Courtesy Professor of Anthropology (2007), Ph.D. (University of London)

BAKER, PAUL, Courtesy Professor (2009), MA, PhD (George Mason University)

BALLANTYNE, JOHN, Associate Professor of Chemistry/Forensic Science (1999), Ph.D. (State University of New York at Stony Brook)

BEACH, KEVIN, Assistant Research Professor of Biology (2001), B.S., Ph.D. (University of Hawai'i at Manoa)

BELFIELD, KEVIN D., Secondary Joint Professor of Optics & Photonics, and Biomolecular Science Center: CREOL & FPC (1998), Ph.D. (Syracuse University)

BELLO, DAVID, Courtesy Associate Professor Biomolecular Science Center (2006), M.D. (Central University of Venezuela)

BETTINGER, TAMARA, Assistant Professor of Biology (2009), (Oklahoma State University)

BIELITZKI, JOSEPH, Secondary Joint Professor Biomolecular Science Center (2006), D.V.M. (University of Illinois at Urbana-Champaign)

BILLINGS, JOSEPH B., Clinical Faculty, Athletic Training; Courtesy Assistant Professor of Orthopaedic Medicine/Primary Care (2009), (Philadelphia College of Osteopathic Medicine)

BONDAR, MYKHAILO, Visiting Assistant Professor of Chemistry B.S., M.S., Ph.D. (Institute of Physics, Kiev, Ukraine)

BRANCH, LEONARD, Courtesy Clinical Assistant Professor of Psychology (2009), BA, MA, PhD (University of Kansas)

BRUNELL, MARY LOU, Instructor, College of Nursing (1980), M.S.N. (University of Pennsylvania)

CALESTANI, CRISTINA, Secondary Joint Assistant Professor of Biomedical Science Center (2003), Ph.D. (University of Parma, Italy)

CAMDESSANCHE, JEAN-PHILIPPE, Courtesy Visiting Scientist-Biomolecular Science Center (2007), M.S., M.D. (Claude Bernard University, Lyon France), Advanced degree in neurosciences (Claude Bernard University, Lyon France)

CARLSON, JOHN K., Research Assistant Professor of Biology (2003), (University of Mississippi)

CHALHLALI, ALI, Courtesy Associate Professor of Neurosurgery (2007), M.D. (University of Alabama at Birmingham)

CHANG, NI-BIN, Secondary Joint Professor of Industrial Engineering and Management Systems (2009), BS, MS, PhD (Cornell University)

CHEN, PHILLIP, Courtesy Assistant Professor of Molecular Biology and Microbiology (2002), M.D. (University of Alabama at Birmingham)

CHITICK, ELIZABETH, Assistant Research Professor of Biology (2002), (Tufts University)

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COLUMBUS, GENE, Department of Theatre (2000), M.D. (University of Central Florida)

COOK, CLAYTON B., Professor of Biology (2002), B.A., Ph.D. (Duke University)

CRANIS, PETER, Associate Faculty of Communication (2002), (University of Central Florida)

DE FREESE, DUNAIE, Professor of Biology (2001), B.S., M.S., Ph.D. (Florida Institute of Technology)

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DEYRUP, MARK, Assistant Professor of Biology (1994), B.S., M.S., Ph.D. (University of Washington)

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PRITCHARD, ROBERT D., Professor of Psychology (2003), B.A., Ph.D. (University of California, Los Angeles)

PROVENCHER, DAVID, Courtesy Faculty Research Associate (2009), SSE (University of Central Florida)

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<table>
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<tr>
<th>Date</th>
<th>Degree Name</th>
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<tr>
<td>William H. Dial, Doctor of Commercial Science</td>
<td>May 1993</td>
<td>Buell G. Duncan, Jr., Doctor of Commercial Science</td>
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<td>John W. Young, Doctor of Applied Sciences</td>
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<td>Elie Wiesel, Doctor of Letters</td>
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<td>Wolfgang-Detlef Petri, Doctor of Commercial Science</td>
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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.

AEP: Academic Exploration Program to assist undecided students.

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).

Breaking Catalog: loss of eligibility to follow graduation requirements in a specific catalog.

BSBS: Burnett School of Biomedical Sciences.

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 http://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

Certificate: special program of study supplemental to a major.

Ci: consent of instructor.

Class Schedule Search: a component of the online myUCF system (at https://my.ucf.edu) that lists courses and class sections offered each academic term.

CLAS: College Level Academic Skills: CLAS is a required statewide measurement of selected communication and mathematics skills.

CLAS Alternative: refers to another way of satisfying one or more subtests of the CLAS requirement through combination test scores (SAT or ACT) and specific course grades.

COE: College of Education.

COHPA: College of Health and Public Affairs.

College: collection of related academic departments. There are ten colleges at UCF: Arts and Humanities (CAH), Business Administration (CBA), Education (COE), Engineering and Computer Science (CECS), Health and Public Affairs (COHPA), Medicine (COM), Nursing (CON), Optics and Photonics (COP), The Burnett Honors College (TBHC), Rosen College of Hospitality Management (RHM), and Sciences (COS).

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.

CON: College of Nursing.

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 is disqualified upon failure to achieve a minimum 2.0 UCF GPA during the subsequent term. A student who is disqualified may not enroll at the University for two terms following disqualification. Readmission after two terms is not automatic.

Distance and Distributed Learning: learning online through the UCF Virtual Campus, which provides opportunities for students to enroll in credit courses and select degree programs through a variety of interactive distributed technologies.

Double Major: awarded when the student concurrently satisfies requirements for two majors.

Drop/Swap: a student may drop or swap a course(s) during the official Drop/Swap period. A dropped course will not appear on the student's per-ma nent record. Students are not fee liable for dropped courses.

Elective: any course not required as part of the General Education Program or as part of your major/ minor.

E-mail: primary official means of communication with students regarding University business and information.

Enrollment: the act of registering in classes. This may be done through myUCF at https://my.ucf.edu, kiosk and in limited circumstances at the colleges’ advising offices.

Enrollment Certification: an official University document that provides a student’s enrollment history including status, dates enrolled, and degrees awarded, available online at https://my.ucf.edu in Student Self Service.

Equipment Fee: a charge associated with some majors to cover the use and replacement of equipment.

Excluded: a student readmitted following disqualification who fails to achieve a minimum 2.0 GPA is excluded from the University. Students are not eligible for readmission after exclusion. See “Readmission” for details.

Fee Invoice: a printout of courses for which the student has registered that lists each specific course, its meeting time(s) and day(s). The amount of tuition and fees due for all courses registered and the payment deadline date also is indicated. Available online at https://my.ucf.edu in Student Self Service.

Freshman and Sophomore Courses: lower level courses with common course numbers ranging from 1000-2999 (e.g., ENC 1101, English Composition I). Generally, freshmen should enroll in 1000 and 2000 level courses.

FTIC: abbreviation for “First Time In College,” referring to those students who have completed fewer than 12 semester hours and currently are in their first term as a UCF college student after high school.

Full-Time Course Load: for undergraduates, a minimum of 12 credits in the Fall and Spring and Summer terms.

FYAE: First Year Advising and Exploration.

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.

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: 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).

Major: 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.

Minor: a complement to a bachelor’s degree program/ major requiring at least 18 credit hours in a field.

myUCF: the UCF/student information portal online at https://my.ucf.edu. myUCF is a powerful, security-encrypted, PID (Personal IDentification Number) and Password-access information system that will facilitate a variety of transactions in which students will engage at UCF. In myUCF, students may obtain a list of current holds, change the Password, sign up for a Knights E-Mail account, telephone number, and permanent mailing addresses; search for courses in each term; register, drop/swap and add courses each term; withdraw from courses by the grade earned in the course of Late Registration and Drop/Swap, print the “Degree Audit,” obtain the registration appointment day and time for each term, print a “Fee Invoice,” pay fees by credit card, gain access to financial aid and accounts receivable information; obtain the term final grades, and a list of current courses.

NID: Network Identification Number that students use to log in to web courses and UCF computer labs.

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 PID (Personal IDentification Number). Each time you use the PID 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 student’s status upon acceptance into the program.)

PID: (Personal IDentification Number): personal eight-digit code required when entering myUCF, or the UCF Information Kiosks.

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, kiosk 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.

Revetion: a term used to describe students’ continued enrollment at the University until successful completion of their educational goals.

RHM: Rosen College of Hospitality Management

SARC: Student Academic Resource Center provides academic support programs, including supplemental instruction, tutoring, 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.

Section: 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.

SSYC: Sophomore & Second Year Center

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 eleven 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.

TBHC: The Burnett Honors College

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: Time Shortened Degree or 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 Cocoa, UCF Daytona Beach, UCF Leesburg, UCF Orlando, UCF Osceola, UCF Palm Bay, UCF Sanford/Lake Mary, UCF South Lake, UCF South Orlando, UCF Valencia Osceola, and UCF Valencia West.

UCF GPA: grade point average (GPA) on all work attempted while in attendance at UCF.

Upper Level Courses: courses with a course number of 3000-4999.

Web Enrollment Guide: online at http://registrar.ucf.edu/wegi. Provides the “Academic Calendar;” guides to registering online, Class Schedule Search and the Fee invoice, and contains the policies that govern course registration. Each term’s class listings are available only online through myUCF Class Schedule Search at https://my.ucf.edu.

Withdrawal, Withdraw from a Course: to formally request an official withdrawal 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.
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