UCF Stands For Opportunity

2011-2012
Undergraduate Catalog

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UCF REGIONAL CAMPUSES
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UCF Cocoa
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UCF Palm Bay
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407-823-3100

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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 188,000 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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Director, University Analysis and Planning Support .................. SANDRA ARCHER

UNIVERSITY ADMINISTRATION
## SUMMER 2011 ACADEMIC CALENDAR

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<td><strong>May 16 - August 5</strong></td>
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<td>May 27, 2011 - Students registering from 3/21/11 through 5/20/11</td>
<td>July 8, 2011 - Students registering for Summer B only 5/21/11 through 7/01/11</td>
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<tr>
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**NOTE:** Dates are subject to change. Consult the [Web Enrollment Guide](http://www.registrar.sdes.ucf.edu/calendar) and online Academic 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 at 407-823-6479.

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

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

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

---

### University Holidays and Special Events

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**Independence Day Holiday** .................................................... July 4, 2011
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</tbody>
</table>

**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 at 407-823-6479.

1. $100 Late Registration Fee applies to students who have not enrolled by the close of Registration.
2. $100 Late Payment Fee applies to students who do not pay their fees or do not pay their fees by the due date.
3. Incomplete grades must be removed within one year of the award date prior to graduation from the University, whichever comes first, else they will change to “F”.
4. Under Multiple Term Registration, undergraduates with a declared major and UCF GPA of 3.5 or higher (and junior/senior level students who have completed all sections of the CLAS) will receive their appointment dates and times for Summer 2011, Fall 2011 and Spring 2012 beginning February 28, 2011. Registration for these students will begin on or after March 21, 2011. All other eligible students will receive their registration times beginning October 10, 2011, and Spring registration for these students will begin on or after October 24, 2011.

### University Holidays and Special Events

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Labor Day Holiday</td>
<td>September 5, 2011</td>
</tr>
<tr>
<td>Homecoming Week (classes still held)</td>
<td>October 22-30, 2011</td>
</tr>
<tr>
<td>Homecoming Game - vs. Memphis</td>
<td>October 29, 2011</td>
</tr>
<tr>
<td>Veterans Day Holiday</td>
<td>November 11, 2011</td>
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<tr>
<td>Thanksgiving Holidays</td>
<td>November 24-26, 2011</td>
</tr>
<tr>
<td>Martin Luther King Jr. Holiday</td>
<td>January 16, 2012</td>
</tr>
<tr>
<td>Spring Break (campus offices still open)</td>
<td>March 5-10, 2012</td>
</tr>
<tr>
<td>Founder’s Day Honors Convocation (classes still held)</td>
<td>April 4, 2012</td>
</tr>
</tbody>
</table>
Undergraduate Academic Policy Statement
The University of Central Florida, may change any of the announce-
ments, information, policies, rules, regulations, or procedures set forth in the Undergraduate Advising Guide and the Undergraduate Catalog. The Undergraduate Catalog is published online once a year and can-
not 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 com-
munity. Accordingly, discrimination based on race, color, religion, sex, national origin, age, disability, marital status, parental status, genetic information, sexual orientation, gender identity, gender expression, or veteran status is prohibited.

Sexual harassment, a form of sex discrimination, is defined as unwel-
come sexual advances, requests for sexual favors, or verbal or physical conduct of a sexual nature when:
1. Submission to such conduct is made either explicitly or implicitly a term or condition of an individual’s employment or enrollment;
2. Submission to or rejection of such conduct by an individual is used as the basis for employment or enrollment decisions affecting such individual;
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 respon-
sible 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-1EOO. Policies and guidelines are available online at http://www.eeo.ucf.edu/.

Drug-Free Workplace/Drug-Free Schools Policy Statement
Standards of conduct and disciplinary sanctions will be imposed for the unlawful possession, misuse or distribution of illicit drugs and alcohol by UCF students and employees on UCF property or as part of any of its activities. The unlawful manufacture, distribution, dispensation, posses-
sion 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 and controlled property or as part of any of its activities. Any UCF employee or student determined to have violated this policy shall be subject to disciplinary action for misconduct, which may include termination/expulsion and referral for prosecution. No employee/student is to report to work/class or attend any University activity while under the influence of illegal drugs or alcohol. Violation of these policies by an employee/student will be reason for evaluation/treatment for drug/ alcohol disorder and/or for disciplinary action up to and including ter-
mination/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, posses-
sion and consumption of alcoholic beverages on campus. Refer to University of Central Florida Policy “Alcoholic Beverages on Campus” 3-115.1 for further information.

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

Student organizations may develop more stringent regulations regarding alcohol use.

Locations
The sale of alcoholic beverages to individuals of legal age will be permit-
ted 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 prohib-
ited by the governing organization. Consumption of alcoholic beverages in public or common areas within on-campus residential units shall fol-
low the guidelines provided by their governing organization, and local, state and federal law.

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

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

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


Academic Behavior Standards
The University of Central Florida is committed to a policy of honesty in academic affairs. Conduct that comprises a breach of this policy may result in academic action 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 undergread-
ate 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 also be held 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 disciplinary action through the Office of Student Rights and Responsibilities as outlined in The Golden Rule Student Handbook.
Universtiy Notices

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, e-mailing correspondence to instructors or fellow students, or taking online classes. In addition, many UCF courses require the use of the Internet.

The University of Central Florida has developed one of the nation’s most advanced campus technology environments, and all UCF students are provided a free Knights E-mail and Internet access. Students wishing to acquire a personal computer are strongly advised to consider a laptop equipped with a wireless network adapter. Recommended configurations can be found on the University’s Website at http://costore.ucf.edu/graphics/ComputerRecommendations.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 information concerning registration, deadlines, financial assistance, scholarships, student accounts (including tuition and fees), academic progress and problems, and many other critical items. The University sends all business-related and academic messages to a student’s Knights E-mail address 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 (servicedesk@ucf.edu or 407-823-5117).

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 address on record will be deemed adequate notice for all university communications, including issues related to academics, finances, registration, parking, and other matters. The University does not accept responsibility if official communication fails to reach a student who has not registered for, or maintained and checked their Knights E-Mail account on a regular basis. Please ensure that this information is current and that any changes in contact information are apparent to their Knights E-Mail account on a regular basis. Please ensure that this information is current and that any changes in contact information are apparent to their Knights E-Mail account on a regular basis.

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

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

College/Discipline | Accrediting Body
--- | ---
Arts and Humanities | National Association of Schools of Music (NASM)
Music, Music Education | National Association of Schools of Music (NASM)
Business Administration | The Association to Advance Collegiate Schools of Business (AACSB International)
(all disciplines) | State Accreditation - Florida Department of Education; National Council for Accreditation of Teacher Education (NCATE)
Education | State Accreditation - Florida Department of Education; National Council for Accreditation of Teacher Education (NCATE)
(all disciplines) | National Council for Accreditation of Teacher Education (NCATE)
Computer Science | Accredited by the Computing Accreditation Commission of ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, and Telephone: (410) 347-7700
Aerospace, Civil, Computer, Electrical, Environmental, Industrial, Mechanical Eng | Accredited by the Engineering Accreditation Commission of ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, and Telephone: (410) 347-7700
Computer Science | Accredited by the Computing Accreditation Commission of ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, and Telephone: (410) 347-7700

Health and Public Affairs | Commission on Accreditation of Athletic Training Education (CAATE)
Athletic Training | Commission on Accreditation of Athletic Training Education (CAATE)
Cardiopulmonary Science | Committee on Accreditation for Respiratory Care (CoARC)
Health Information Management | Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM)
Radiologic Sciences | Joint Review Committee on Education in Radiologic Technology (URCERT)
Social Work | Council on Social Work Education (CSWE)

College of Medicine - Burnett School of Biomedical Sciences | National Accrediting Agency for Clinical Laboratory Sciences (NAACLS)
Medical Laboratory Sciences | National Accrediting Agency for Clinical Laboratory Sciences (NAACLS)
Nursing | Commission on Collegiate Nursing Education (CCNE), Florida Board of Nursing
Chemistry | American Chemical Society (ACS)

UCF is listed in Transfer Credit Practices on Designated Educational Institutions with the highest level of credit acceptability. This handbook is published by the American Association of Collegiate Registrars and Admission Officers and lists the acceptability of transfer credits based upon the reporting institutions in the states, commonwealths, territories, and selected international institutions.
The University
407-823-2000
http://www.ucf.edu

UCF Stands For Opportunity: The University of Central Florida is a major metropolitan research university located in one of the most popular cities in the world. A growing and dynamic university, UCF opened the College of Medicine in 2009, and it is the centerpiece of the burgeoning medical city at Lake Nona. In 2010, UCF opened the School of Performing Arts in the new on-campus Performing Arts Center, and in 2011, UCF became one of 40 public universities earning the Carnegie Foundation’s highest designation in two categories: community engagement and research activity. The University of Central Florida is comprised of twelve colleges supporting more than 56,000 students that attend classes on UCF’s main Orlando campus and its 10 regional campuses.

UCF offers 216 degree programs and is an academic and research leader in numerous fields, such as optics, modeling and simulation, engineering and computer science, business administration, education, the sciences including biomedical sciences, hospitality management and digital media.

UCF annually ranks in the top 50 universities nationwide for the number of National Merit Scholars in its freshman class with the vast majority enrolled in the Burnett Honors College.

The main campus stretches 1,415-acres and provides modern facilities. The Health Center is a full-service health clinic with on-site professionals, X-ray capabilities, dental services, a pharmacy, a medical laboratory and physical therapy services.

The Student Union has computer labs, study lounges, ballrooms and meeting rooms, popular eating establishments and a small shopping mall. Students also enjoy a 149,000-square-foot Recreation and Wellness Center complete with a three-story climbing wall, an indoor track and fitness equipment.

The main campus manages 800 acres of natural ecosystems resulting in habitats for more than 45 unique animal species. Housing includes on-campus residence halls and affiliated apartments for almost 8,000 students. And the 10,000-seat UCF Arena and a 45,000-seat on-campus football stadium were opened in 2007.

UCF promotes a diverse and inclusive environment. Students come from all 50 states and over 140 countries. Study abroad programs allow students to study and conduct research with 98 institutions in 36 countries. Students at UCF have been recog-nized throughout the world and include recipients of Rhodes, Mellon and Goldwater scholarships.

In 2009-10, UCF professors received $133 million in research funding and have accrued over $1.0 billion in research-related funding since 2000. Distinctive programs extend learning beyond the classroom and include leadership programs, study abroad, cooperative education, internships, service learning and paid research positions.

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

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

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 minimal campus attendance or in-person/proctored examinations.
- MIXED-MODE/REDUCED SEAT TIME (M): These courses include both required classroom attendance and online instruction. All M classes have substantial activity conducted over the web, which substitutes for some on-campus meetings.
- VIDEO STREAMING (V): These are courses delivered over the web via streaming digital video, which may be supplemented by additional web activity, projects, or exams.

VIDEO STREAMING/REDUCED SEAT TIME (RV): In these courses, classroom-based content is available over the Web via streaming video and classroom attendance is not required. Other required activities that substitute for face-to-face 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).

The Center’s mission is to provide support to students, faculty and staff in the development and planning 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.

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

The University of Central Florida offers an opportunity to complete a number of programs through UCF Regional Campuses. Strategically located within an 80-mile radius of the UCF Orlando campus, the multiple non-residential locations partner with six Florida community/state colleges, fostering seamless and convenient advancement from completion of an A.A. or A.S. degree to upper-level division work on a baccalaureate degree. Programs include 24 Bachelor’s programs, 18 minors, 12 master’s degrees, and 6 graduate certificates with each of the UCF Colleges represented within the system. With close proximity to Orlando, resources are available at UCF and the UCF Regional Campuses, such as admissions, registration, financial aid, advising, student clubs and organizations, disability services, veteran’s affairs, “smart classrooms,” libraries, computer labs, and more.

UCF Regional Campuses provide a wide variety of instruction modes and schedules, including web class availability. Admissions, Registration, Financial Assistance and Advising professionals are located at the following campuses: UCF Cocoa, UCF Daytona Beach, UCF Palm Bay, UCF Sanford/Lake Mary, UCF South Lake, UCF Osceola, and UCF Ocala. Times and dates for all courses are listed online prior to registration each term and all registration periods correspond to the overall UCF schedule.

The Central Florida Higher Education Consortium, known as DirectConnect to UCF, is a unique partnership between UCF and Brevard Community College, Lake Sumter Community College, Seminole State College and Valencia Community College. This agreement provides for AA and AS graduates to UCF as an enhancement to the FL state-mandated 2 + 2 agreement. Students entering UCF as a DirectConnect to UCF student are admitted according to the UCF policies when AA or AS degrees are awarded.

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

Administration
UCF Regional Campuses Administration
12201 Research Parkway, Suite 101
Orlando, 32826; 407-823-4547

Interim Vice Provost, UCF Regional Campuses

Joyce Dorner
Senior Administrative Assistant

Dania Suarez
Associate Vice President, Executive Director

Academic Initiatives

Stephen Holmes
Assistant Director, Academic Initiatives

Cynthia Thomas
Facilities Scheduler

Denise Devlin
Coordinator, Statistical Research

Jeanne Walker
Assistant Vice President, Student Services

A.J. Range
Office Assistant

Kenya Cabrera
Associate Vice President, Regional Campus Transfer

Admission & Enrollment/Marketing

Angé Peterson
Director, RC Enrollment Services .................................. Deborah Bradford
Marketing Account Executive ........................................ Michelle Fuentes
Web Designer ........................................................................ Tony Recascino
College/Division IT Manager .............................................. Kirk Henry
Senior Multimedia Specialist ............................................. Calston Llewellyn
Director, Academic Advising .............................................. Helen Hill
Coordinator, Academic Advising Services I ...................... TBA
Assistant Vice President, Business Affairs and Operations ........................................ David Laney
Administrative Assistant .................................................. Jeanette Holder
Director, Academic Support Services .................................. Joe Schofield
Director, Library Services .................................................. Cynthia Kisby
Senior Art Specialist ......................................................... Mary Lou Wade

**Campuses**

**UCF Valencia West, UCF South Orlando, UCF Valencia Osceola**
- Director, Academic Support Services .................. Edgar Martinez
- Administrative Assistant ........................................... Bonnie Marsh
- Coordinator, Enrollment Services .................. Shelli Thomas-Small
- Coordinator, Academic Advising Services I ........... Carol Black
- Coordinator, Academic Advising Services I ........... Chris Miller
- Coordinator, Academic Advising Services I ........... Celena Lue
- Coordinator, Academic Advising Services II .......... Lisa Cruz
- Coordinator, Academic Advising Services II .......... Melissa Hanbery
- Coordinator, Academic Advising Services II .......... David Berland

**UCF Daytona**
- Assistant Vice President and Director, Daytona Beach Campus .................. Linda Bradley
- Associate Director, Academic Support Services ............. Jason Brewer
- Director, Administrative Services .................................. Bobbi Marsh
- Assistant Director, Enrollment Services .................. Raphel Robinson
- Senior Admissions/Registrar Officer ..................... Sheri Newble-Dunn
- Coordinator, Academic Advising Services II ................. Tina Davis
- Coordinator, Academic Advising Services II ................. Darryl Greeley
- Coordinator, Academic Advising Services II ................. TBA
- Coordinator, Academic Advising Services I ................. Angela Edwards-Johnson
- Department IT Manager .................................................. Joe Cassella

**UCF Sanford/Lake Mary, UCF Altamonte**
- Associate VP and Director, UCF Sanford/Lake Mary and UCF Altamonte Springs .................. David Meador
- Associate Director, Academic Support Services ............. Sean Armstrong
- Administrative Assistant ............................................... Debbie Copertino
- Coordinator, Enrollment Services .................. Pamela Williams
- Coordinator, Academic Advising Services II ................. Jackie West-Lee
- Coordinator, Academic Advising Services II ................. Andrea Velez-Vazquez
- 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 .................. Denise Young
- Director, Academic Support Services .................. Lauren Miller
- Director, Regional Campus Student Services ................. Terry Exum
- Coordinator, Regional Campus Student Services .............. James C. Smith, Jr.
- Assistant Director, Enrollment Services .................. Kristina Watkins
- Coordinator, Enrollment Services .................. Nick Pantoni
- Assistant Director, Academic Support Services ................. Sonya Curtis
- Coordinator, Academic Advising Services II ................. Angel Edgecombe
- Coordinator, Academic Advising Services II ................. Angela Jones
- Coordinator, Academic Advising Services I ................. Shakira Guice
- Coordinator, Academic Advising Services II ................. John King
- Coordinator, Academic Advising Services II ................. 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
- Administrative Assistant ................................................ Lila Reyes
- Director, Regional Campus Student Services ................ Pamela Brady
- Assistant Director, Enrollment Services .................. Christy Pasinisin
- Coordinator, Enrollment Services .................. Thomas Silarek
- Coordinator, Academic Advising Services II ................. Selena Forrester
- Coordinator, Academic Advising Services II ................. Robin Tinsley
- Coordinator, Academic Advising Services II ................. Bethany Larson
- Coordinator, Academic Advising Services I ................. Scott Larson
- Department IT Manager .................................................. Mei Wong

**UCF Cocoa**
- 321-433-7821
- (In partnership with Brevard Community College)
- Undergraduate Degree Programs
  - Applied Science (B.A.S.) Office of Undergraduate Studies
    - Tracks: Criminal Justice, Health Services Administration, Information Technology, Legal Studies, and Supervision and Administration
  - Business Administration (B.A.B.A.) College of Business Administration
  - Communication Sciences and Disorders (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
  - 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
- Political Science
- Psychology
- Religious Studies
- Social Sciences - Interdisciplinary
- Sociology

**Women’s Studies**

**Graduate Degree Programs**
- Applied Sociology (M.A.) College of Sciences
- Criminal Justice (M.S.) College of Health and Public Affairs
- 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

**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, Information Technology, Legal Studies, and Supervision and Administration
  - Business Administration (B.A.) College of Business Administration
  - Criminal Justice (B.A., B.S.) College of Health and Public Affairs
  - Early Childhood Education (B.S.) College of Education
  - Elementary Education (B.S.) College of Education
  - Exceptional Student Education (B.A., B.S.) Office of Interdisciplinary Studies
  - Legal Studies (B.A., B.S.) College of Health and Public Affairs
  - Nursing (B.S.N., R.N. to B.S.N.) College of Nursing
  - Photography (B.S.) College of Arts and Humanities
  - 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

**University of Central Florida/Campuses**
Technical Education and Industry Training (B.S.) College of
Education

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

Graduate Degree Programs
Clinical Psychology (M.A.) College of Sciences
Criminal Justice (M.S.) College of Health and Public Affairs
Health Sciences: Health Services Administration (M.S.) College of
Health and Public Affairs
Social Work (M.S.W.) College of Health and Public Affairs

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

Undergraduate Degree Programs
Elementary Education (B.S.) College of Education
Interdisciplinary Studies (B.A., B.S.) Office of Interdisciplinary
Studies (limited in scope, see an advisor for details)
Nursing (R.N. to B.S.N.) College of Nursing

Undergraduate Minors
Criminal Justice
English - Writing
Health Services Administration
History
Legal Studies
Political Science
Psychology
Social Sciences - Interdisciplinary
Sociology

UCF Ocala
352-854-2322, ext. 1818
(In partnership with Central Florida State College)

Undergraduate Degree Programs
Applied Science (B.A.S.) Office of Undergraduate Studies
Tracks: Criminal Justice, Early Childhood Education, Health
Services Administration, Information Technology, and
Supervision and Administration
Elementary Education (B.S.) College of Education (Cohort)
Interdisciplinary Studies (B.A., B.S.) Office of Interdisciplinary
Studies (limited in scope, see an advisor for details)
Nursing (R.N. to B.S.N.) College of Nursing
Psychology (B.S.) College of Sciences
Social Science Education (B.S.) College of Education

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

UCF Osceola
407-856-6585
(In partnership with Valencia State College)

Undergraduate Degree Programs
Applied Science (B.A.S.) Office of Undergraduate Studies
Tracks: Criminal Justice, Health Services Administration,
Information Technology, and Supervision and Administration

Business Administration (B.A.) College of Business Administration
Elementary Education (B.S.) College of Education
Interdisciplinary Studies (B.A., B.S.) Office of Interdisciplinary
Studies (limited in scope, see an advisor for details)
Psychology (B.S.) College of Sciences
Social Science Education (B.S.) College of Education

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

UCF Palm Bay
321-433-7995
(In partnership with Brevard Community College)

Undergraduate Degree Programs
Applied Science (B.A.S.) Office of Undergraduate Studies
Tracks: Criminal Justice, Early Childhood Education, Health
Services Administration, Information Technology, and
Supervision and Administration
Business Administration (B.A.) College of Business Administration
Early Childhood Education (B.S.) College of Education
Interdisciplinary Studies (B.A., B.S.) Office of Interdisciplinary
Studies
Interpersonal/Organizational Communication (B.A.) College of
Sciences
Psychology (B.S.) College of Sciences
Social Science Education (B.S.) College of Education

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

UCF Sanford/Lake Mary
407-328-2471
(In partnership with Seminole State College)

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

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

UNIVERSITY OF CENTRAL FLORIDA
Central Florida Research Park

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

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

The ultimate goal of University-related research parks is to establish an academic/industrial community. The University and officials of the Central Florida Research Park believe that the potential for the establishment of close ties between the University and industry will create an environment 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.

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 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, 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
Psychology (B.S.) College of Sciences
Sports and Fitness (B.S.) College of Education
Social Science Education (B.S.) College of Education

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

Endowed Chairs

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.

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

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

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

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

SunTrust, N.A. Eminent Scholar 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.

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

Bert Fish Memorial Eminent Scholar Chair: Created in 1990 to establish an endowed chair in nursing education. This is the first chair to be established at the Daytona Campus. It is designed to improve nursing education and ease the shortage of nurses.

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.

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

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

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

William P. Fisher Eminent Scholar Chair in Restaurant Management: Created in 1990 to support the teaching and research of an internationally recognized scholar in convention management, hospitality and travel industry. Chair: TBA.

Orange County Convention and Visitors Bureau endowed Chair: Created in 1996 to support the teaching and research of an internationally recognized scholar in convention management, hospitality and travel industry. 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, Ill.

Denis Von Voigt Eminent Scholar Chair in Sport Business Management Endowed Chair: Created in 2001 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. Lapic.

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

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

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

Beat M. and Jill L. Kahl 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 Chair in Nursing: Created in 1996 to support a key faculty member of distinguished reputation who will engage in teaching, research, and scholarly activities relating to nursing. Chair: Karen Aronin.

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. Phillips School of Real Estate. Chair: Randy I. 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 Eullman 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.

NAIOP Eminent Scholar Chair in Real Estate: Created in 2005 as a key component of the Dr. P. Philips School of Real Estate. Chair: Geoffrey K. Turner.

Judith & David Albertson Eminent Scholar Endowed Chair: Created in 2004 to attract a key faculty member of distinguished reputation who will engage in teaching, research, and scholarly activities relating to Art History. Chair: TBA.

Lester N. Mandell Eminent Scholar Endowed Chair: Created in 2004 to assist in the development of an Ethics Center. Chair: TBA.

Endowed Chair in Transportation: Created in 2006 to attract and retain an experienced and recognized professor specializing in transportation research and education. Chair: TBA.

Capital Campaign Engineering Endowed Chair: Created in 1983 to provide support for a chair in Engineering. Chair: TBA.

FL Hospital Endowed Chair in Nursing Simulation: Created in 2010 to attract an endowed chair in the College of Nursing that supports simulation in nursing. Chair: TBA.

Karl H. Guenther Endowed Chair in Thin Film Optics: Created in 1998 to support the School of Optics Education in Thin Film Optics. Chair: TBA.

Kurdish Political Studies Endowed Chair: Created in 2007 to expand studies in Political Science and the Middle East. Chair: TBA.

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

University Ombuds Office

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

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

Office of Undergraduate Studies

Dean: TBA
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 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 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 Office of Pre-Professional Advising, 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 goals of the office are to apply these policies fairly, promptly and evenly according to established guidelines; to provide timely response to requests from students, faculty, and staff; and to maintain accurate and effective computer records for advising and graduation certification.
International Services Center
Executive Director: Nataly Chandia
CMMS (Building #81); 407-823-2337
http://www.intl.ucf.edu/

The International Services Center (ISC), a unit of the College of Graduate Studies, provides immigration advising and assistance to the international students and scholars at the University of Central Florida. ISC supports the international population in its adjustment to a new academic and cultural environment by providing a wide range of services and programming. Services include: admissions guidance, interpreting immigration regulations, explaining employment options, issuing travel authorization signatures, and end of year tax filing assistance. Programming includes: orientation, welcome week activities, employment and tax workshops, holiday celebrations, and International Education Week events. From orientation to graduation, ISC strives to enhance the overall educational experience at UCF for its international students and scholars and to increase cultural awareness and understanding on campus. ISC also works with UCF departments to: facilitate the hiring of international faculty and staff, process H-1B employment visas, and ensure tax compliance on payments made to international vendors.

UCF Public Safety and Police
Chief: Richard Beary
Building #150, 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 officers, including 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 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, Orlando 32826 (office 407-823-2425; 24/7 HOTLINE 407-823-1200) provides services for persons impacted by crime, violence or abuse or of off the UCF campus. Services include 1) advocacy, support, and practical assistance; 2) options, information, and referrals; and 3) prevention awareness educational programming. Additional information can be viewed at http://www.victimservices.ucf.edu.


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 and Technology: Selma K. Jaskowski
LIB 512; 407-823-5444

Associate Director for Collections and Technical Services: Mary Page
LIB 502H; 407-823-2575

University Libraries offers a variety of information resources and services. An extensive resource collection includes 2.3 million volumes, 30,000 journal subscriptions, 3.1 million microforms and 50,000 media titles. The Libraries’ rapidly growing electronic resources include 363 databases, 593,000 e-books and 27,000 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 website: http://library.ucf.edu or by calling 407-823-2756. Over 320 computer workstations are available for public use. 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.

The Knowledge Commons, the Libraries’ newest learning space, provides 479 seats in a variety of configurations including collaborative group study areas, 196 PC workstations, single station carrels, and upholstered lounge chairs with flip up tablets. Two-thirds of seating in the area offers a desktop PC or immediate access to power.

Complementing the Knowledge Commons are rolling white boards, privacy panels, acoustical treatments, upgraded wireless network service and natural light throughout. Nearby, the Libraries’ multipurpose cybercafé named Infusion offers food and beverage items, 54 desktop, comfortable seating areas, closed caption television, and a browsing collection for leisure reading.

The Libraries’ web-based catalog can be accessed from any computer or mobile internet device, offering a gateway to hundreds of electronic databases, journals and e-books. For help 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 website http://library.ucf.edu/ask/ connects students with a Librarian, where questions are submitted and answered by Instant Messaging; e-mail; telephone at 407-823-2562, or toll-free 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 coursework as well.

The Interlibrary Loan and Document Delivery Services Department (ILL/DDDS) assists students in obtaining materials not owned by the UCF Libraries. Most books, government documents, photos or images of the 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 website.

University of Central Florida/Campuses
http://www.ucf.edu
Services are provided for students with disabilities. In collabora-
tion with the University’s Office of Student Disability Services
students may request assistance with retrieval of materi-
als by Circulation Desk. A workstation equipped
with Jaws and Zoomtext software is available, as well as a
Kurzweil reading machine. More information is available at

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, ephemera, photographs, art, and more. 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 institu-
tions to develop and maintain Florida Memory, a 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 pro-
vides representative K-12 curriculum materials for preview, review,
and analysis and circulation. Although the CMC primarily serves edu-
cation 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 http://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 complete information services. Two examples
of Web sites customized for Regional Campus needs are the
Services for Distance Learners page http://library.ucf.edu/DistanceServices
and the Regional Campus Libraries page http://library.ucf.edu/BranchCampuses/Locations/. UCF librarians pro-
vide 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
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
Interim Director: Donald Merritt
CL1 203; 407-823-2571, Fax 407-823-2109
http://www.oir.ucf.edu

The Office of Instructional Resources (OIR) supports the academic,
research, and administrative goals of the University of Central Florida
utilizing multimedia, interactive, and digital media resources. OIR
provides creative, technical, consulting, and multimedia production
services to faculty and university departments.

The Faculty Multimedia Center (FMC) is OIR’s media production facil-
ity dedicated to faculty and electronic thesis and dissertation (ETD)
support. Located in Classroom Building 1 room 202, the FMC houses
the full-time FMC staff faculty can call upon to create multimedia
materials for their teaching and research needs. OIR staff can pro-
vide support project for those faculty with larger media needs. The
FMC also partners with the College of Graduate Studies to provide
computer and media expertise for those students who are completing
their ETD.

OIR also maintains videoconference and other online collaboration
facilities for university use, including thesis and dissertation commit-
tee support. OIR can also provide consultation to determine the most
appropriate method of collaboration to meet your needs. For consul-
tation services, to reserve a videoconference space, or to discuss
potential costs, please contact OIR at 407-823-2571 and speak with a
consultation specialist.

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

Intercollegiate Athletics
Director: Keith Tribble
WD2; 407-823-2261
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 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 base-
ball, 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 pre-
viously enrolled at any other institution of higher education, graduate
from their programs. The 6-year graduation rate for the Fall 2004 full-
time cohort is 63 percent. The retention rate for Summer-Fall full-time
2009 students is 86.6 percent. The information is public and available
for review on the Institutional Research website.

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 festivi-
ties rivaling any in the country.

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

Knights Plaza Location
The Barnes & Noble @ UCF, located next to the UCF Arena in Knights
Plaza, is the official headquarters for all of your graduation supplies.
It offers a complete line of UCF clothing, logo gift items, general read-
ing, snacks, convenience items and a full service café that
proudly brews Starbucks coffee. For store hours and information, visit

Parking and Transportation Services
Director: Kris Singh
Visitor and Parking Center; 407-823-1371
E-mail: Krishna.singh@mail.ucf.edu http://www.Parking.ucf.edu

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 10 off-campus apartment communities, as well as
numerous locations in Central Florida Research Park. Normal operat-
ing 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 website, 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 Harriett 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 artists from across the country. The theater has been featured in national publications such as The Wall Street Journal, 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 at jimh@orlandoshakes.org.

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 alumni to stay connected to the university and each other through dozens of active chapters and clubs, fun activities and events, and enlightening communication pieces.

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, Family Weekend, networking with alumni, 15 percent off logo merchandise in the campus bookstores, restaurant discounts, free scantrons, leadership and scholarship opportunities and much more.

For more information about the UCF Alumni Association or to join 4EK 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 find us on Facebook at http://www.facebook.com/ucfalumni.

UCF Foundation, Inc.

Associate Director of Donor Relations: Sean Helton
PVL 250; 407-882-1220
E-mail: donorrelations@ucf.edu
http://ucffoundation.org

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

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

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

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

Director: Angel Cardec
MH 150, P.O. Box 163105, Orlando, FL 32816-3105;
407-882-2300, Fax: 407-882-0240
http://www.international.ucf.edu/OIS

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 unfamiliar living conditions. 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 that is consistent and furthers UCF curriculum. The two main types of programs administered by UCF are Short Term Programs and Student Exchanges.

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

Reciprocal Student Exchanges (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.

Reciprocal 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: Griffith University, Australia; MODUL University in Austria; Universidade Federal do Rio de Janeiro, Brazil; Hong Kong Polytechnic and Tongi University, China; Université d’Angers, ICN School of Business and Paris VI in France; Meikai University in Japan; Tilburg University, The Netherlands; Jonkoping and Malardalen universities in Sweden; and University of the West of England 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
CSEL 300; 407-823-2667
E-mail: OEL@ucf.edu
http://www.explearning.ucf.edu

The Office of Experiential Learning (OEL), an academic department in Undergraduate Studies, promotes student engagement and provides advising, instruction and instructional support for experience-based learning courses at UCF. Its primary goal is to enable all students to include experiential learning in their academic programs and to gain the personal, academic and professional competencies they need to be successful employees and engaged community members upon graduation. Almost half of the student body participates in experiential learning experiences each year.

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

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

Internships are available to students on all campuses in all colleges. They are courses that provide one-term of 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 OEL or through college departments. Contact information for department internship coordinators is on the OEL web site.

Co-op opportunities are available to students on all campuses in all colleges. They are courses that provide a linked series of progressively responsible internships, always major- or career-related, paid, and occurring over multiple terms. They are either part-time around class schedules (parallel) or full-time alternating terms (alternating), structured for learning with reflection, supervi-
Special Academic Programs and Research Institutes

Institutes and Centers for Research

Center for Economic Education
Director: Robert L. Pennington
BAA 330SE; 407-823-2840
E-mail: pennington@bus.ucf.edu

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 educational institutions, 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: Robertico Croes
9907 Universal Blvd., Suite 219-C, Orlando, FL 32819; 407-903-8028
E-mail: DPI@mail.ucf.edu
http://www.hospitality.ucf.edu/dick_pope.html

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
Academic Director: Ron Michaels
Senior Associate Director: Jaime Patterson
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 in Management
- Professional Masters in Real Estate
- 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.
Special Academic Programs and Research Institutes

Florida-Canada Linkage Institute
Director: Angel Cardec
407-8-23-3647, 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 Florida and Canada. 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 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
407-8-23-3647, 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
E-mail: info@fsec.ucf.edu
http://www.fsec.ucf.edu

The Florida Solar Energy Center (FSEC) is the largest and most active state-supported energy research institute in the United States. 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 technolo-gies, hydrogen and fuel cells, and the testing and certification of solar equipment. The Center conducts continuing education workshops for professionals, government and industry leaders around the world. Additionally, FSEC offers Science, Technology, Engineering and Mathematics (STEM)-focused opportunities to K-12 and college level-students, professional development for teachers, and renewable energy curriculum and activities to schools throughout Florida.

Florida Space Institute (FSI)
Director: Melissa McGrath
Florida Space Institute, Mail Stop: FSI, Kennedy Space Center, FL 32899; 321-452-9834, Fax: 321-452-4842
E-mail: jaydeep.mukherjee@ucf.edu
http://fsi.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 projects. FSI is a state of Florida Institute headquartered at UCF, but has 10 member schools statewide. FSI is located both at the Space Center and on the UCF campus. FSI’s 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 I. 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 unequaled 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
Partnership II, 3100 Technology Pkwy, Orlando, FL 32826-0544; 407-882-1300
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 technology that advances the state of the art in portable and effective human-centered 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 improve human activity, 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 the Partnership II and III 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 (PEOSTRI); 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 more than 150 public and private entities specializing in simulation and training and located along the corridor that stretches from Tampa to Daytona Beach, the largest concentration of this expertise in the world.

IST’s research staff of more than 260 scientists, engineers, and students conducts basic and applied research for a broad range of training devices and programs. Research teams focus on applied research and technology, human/systems integration, and information systems technologies. Research areas include:
- Multi-resolution simulation
- Virtual, mixed, and augmented reality
- High performance computing
- Human-machine interface, robotics
- Computer-generated forces
- Mathematical foundations
- Application development
- Information management technology
- Human factors psychology and team training
- Cognitive science/augmented cognition
- Medical-related simulation
- Embedded simulation
- Advanced performance technology

IST actively assists UCF in the development of simulation-related curricula. First in the nation with a master’s degree in simulation systems, the university in collaboration with IST also 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, work experience at IST becomes a launching pad to a career in the simulation industry. A significant number of existing professionals, both in government and industry,
enroll in modeling and simulation graduate 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.

**Institute of Statistics and Data Mining**

*Director: David M. Nickerson*

*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/](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 assistance.

**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](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](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](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
- Technology

Marketing

Accounting

Management

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.
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.

Enterprise Decision Support (EDS)
Director: Linda Sullivan
Research Pavilion, 12424 Research Parkway, Suite 215, Orlando 32826; 407-823-5061
E-mail: lindas@mail.ucf.edu
http://www.iroffice.ucf.edu

The mission of the Enterprise Decision Support (EDS) department is to provide data integration services and actionable information solutions through the delivery of business intelligence applications and other knowledge management tools to support executive and operational decision-making and planning.

Institutional Knowledge Management (IKM)
Assistant Vice President and University Data Administrator: M. Paige Borden
Research Pavilion, 12424 Research Parkway, Suite 215, Orlando 32826; 407-823-5061
http://www.iroffice.ucf.edu

The mission of Institutional Knowledge Management (IKM) is to facilitate expansion of knowledge through official actionable information of the highest quality as a foundation for decision-making, policy formation, and institutional excellence.

Institutional Research (IR)
Associate Director: Patricia Ramsey
Research Pavilion, 12424 Research Parkway, Suite 215, Orlando 32826; 407-823-5061
E-mail: iroffice@mail.ucf.edu
http://www.iroffice.ucf.edu

The mission of Institutional Research (IR) is to provide information of the highest quality which is timely, accurate, and useful to facilitate and enhance decision-making and planning at the University of Central Florida. 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 (OEAS)
Director: Patrice Lancey
Research Pavilion, 12424 Research Parkway, Suite 225, Orlando 32826; 407-892-0275
http://www.oeas.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 public affairs and emergency communications and preparedness. Staff members serve as the university’s official spokespersons and consistently offer high-quality, innovative and timely communications services to promote and enhance UCF’s reputation.

Regional Campuses Enrollment Services, Marketing and Outreach
Associate 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
Director: Rhonda Hall
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 over the air, on cable and online. 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; 407-882-0285
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.
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 campus and all regional campus sites. The office’s primary mission is to identify, attract, and enroll talented, diverse, and academically qualified students who will contribute to, achieve growth and success at, and benefit from attending the University of Central Florida.

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

The office administers several programs for prospective students and parents, including daily tours and information sessions, open houses, area receptions for admitted students, and high school and 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 website for further information. Office hours are: Monday/Thursday 9:00 a.m. to 6:00 p.m., Tuesday/Wednesday/Friday 9:00 a.m. to 5:00 p.m.

Campus Visit Experience
Information sessions and campus tours are available through our “Campus Visit Experience”. All freshmen (First-Time-In-College: FTIC) and transfer prospective students and their families are encouraged to participate. The Campus Visit Experience, which includes both an information session and tour of the campus, begins at the 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 website 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 website.

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

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@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. Applicants can apply for housing once they are offered admission to the University. 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, 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 Office of Undergraduate Admissions and the Admissions and Standards Committee are responsible for the admission of all undergraduate students under this exceptions policy.

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

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

Those enrolled students who have not submitted official completed records by the deadline will be placed on administrative hold. Students with these incomplete records will not be permitted to register for a future term until all official transcripts and other required documentation have been received. If, upon review of final transcripts, student records are not satisfactory, they may be placed on academic probation, have their admission status revoked, changed to non-degree or transient status, 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 by the published deadline date. This form can be found online at http://www.admissions.ucf.edu. 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 FTIC students offered admission who have submitted their enrollment deposit and to all transfer students offered admission to the University. Information regarding orientation may also be viewed on the website 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/Early Admit (includes early admission and dual enrollment, on- or off-campus)

C. Transfer*

D. Second Bachelor’s Degree

E. Transient (one term enrollment only, not from a Florida public university)**

F. Non-Degree Seeking (not including students who have already earned a bachelor degree)***

G. Limited Non-Degree Seeking****

H. Special Non-Degree Seeking (includes students participating in specific non-degree, teaching programs including ROTC, Study Abroad only, Marching Band only, and Rosen College exchange programs)

*Transfer students with 60 semester hours or more may also apply to one of many Regional Campus sites. Please refer to the application.

**Students applying as transient from a Florida public university should follow the procedure for SUS Transient located online at http://www.registrar.ucf.edu/forms/transient_sus/.

***Students who have already earned a bachelor degree and wish to attend as non-degree seeking should follow the procedure through our Graduate Admissions Office located at http://www.admissions.graduate.ucf.edu/nondegree_applicants/.

****Please see the “Academic Regulations and Procedures” section of this catalog for this admission category.

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 the international equivalent) 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. Plus (+) and minus (−) will not be included in the high school GPA recalculation. 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:

**Please see the “Academic Regulations and Procedures” section of this catalog for this admission category.

<table>
<thead>
<tr>
<th>Academic Subjects</th>
<th>Units Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>English (three of which must have included substantial writing)</td>
<td>4</td>
</tr>
<tr>
<td>Mathematics (at or above the Algebra I level)</td>
<td>4</td>
</tr>
<tr>
<td>Natural Science (two of which must have included substantial laboratory requirements)</td>
<td>3</td>
</tr>
<tr>
<td>Social Science (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
Undergraduate Admissions

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 
2.1 | 1620 
2.2 | 1620 
2.3 | 1560 
2.4 | 1510 
2.5 | 1450 
2.6 | 1450 
2.7 | 1450 
2.8 | 1450 
2.9 | 1390 
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/Early Admit Applicants
High School students who have demonstrated exceptional academic ability may be permitted to enroll as University students while completing their high school programs. There are three types of dual enrollment programs:

1. **Early Admission** is for students who have completed their junior year in high school and would like to enroll at the University as full-time students for their senior year of high school. 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 Office of Undergraduate Admissions computes a grade point average (GPA) for each institution attended, as well as a cumulative GPA on all college courses attempted. This computation does recognize plus or minus grades effective Fall 2001, but only recognizes grade forgiveness when it is used as part of an awarded statewide articulated Associate in Science degree or an Associate in Arts degree from a Florida public community college or Florida public state college. 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 course 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.);
- 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 requirements 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;
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 and Standards Committee.

Transfer Applicants - More Than 60 Hours, Have Not Received an A.A. Degree from a Florida Public Institution
Undergraduate transfer applicants who desire to be admitted as upper division students must have met, at least, all of the following requirements:
- A minimum of a 2.0 GPA and 60 credit hours of academic course work;
- The English and Mathematics requirements of the Gordon Rule;
- 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 Office of Undergraduate Admissions. Students should complete the undergraduate admissions application online at http://www.admissions.ucf.edu/.
- Students who have previously attended the University of Central Florida as a degree-seeking undergraduate student should apply through the Registrar’s Office. These students should follow the Readmission procedure located online at http://www.registrar.ucf.edu/forms/readmission/.

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.

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

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

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

These students must also complete and submit the required financial and immigration documents by the deadline. Applicants must also file a “Certification of Finances” form and supporting financial documents with the International Services Center indicating financial support to cover educational and other expenses for the first year of study. These documents can be found online at http://www.intl.ucf.edu/index.cfm?PageID=238 and must be on file prior to the issuance of the I-20 or DS-2019 forms by the University.

The following items will be needed in order to review an application for admission:
- Submit the completed UCF admissions application form with the required $30.00 non-refundable application fee (check or money order in U.S. currency). An online application is available on our website at http://www.admissions.ucf.edu.
- Students who attended an international secondary school that uses a grading and evaluation system different from the U.S. system will need a document-by-document evaluation and a GPA computation of the secondary school record in English. This record, which should include performance evaluations, grades for work completed over a period of at least three years, as well as any certificates earned, should be sent to one of the agencies listed below. They will translate it if necessary, evaluate it, and then send their evaluation directly to UCF. A grade point average should be calculated and must appear on this evaluation.
- If the student has attended any international universities, an English translation and evaluation of work completed at each institution will be necessary. Transcripts should be sent to one of the agencies below for a course-by-course evaluation. Please note that if 60 or more credit hours have been earned at a post-secondary institution, it will not be necessary to submit the secondary school records.
- Results of the TOEFL (Test of English as a Foreign Language) or IELTS (International English Language Testing System) may be required of students whose first language is not English. Information can be obtained from TOEFL at http://www.toefl.org or IELTS, http://www.ielts.org.
- Results of the SAT or ACT will be required 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) at http://www.collegeboard.org or from ACT at http://www.act.org. While there are no specific minimum score requirements on these examinations for admission, they are used in conjunction with other required credentials, and students should prepare sufficiently to achieve the highest possible score on these exams.

Applicants must file a “Certification of Finances” form and supporting financial documents indicating financial support to cover educational and other expenses for the first year of study with the International Services Center. This form and other required documents must be on file prior to the issuance of the I-20 or DS-2019 forms by the University.

Educational Translations and Evaluations
Foreign diplomas must meet the requirements specified in Florida Statutes, section 229.814. UCF will accept evaluations of academic credit from these agencies:
- Josef Silny and Associates
  http://www.josfeny.com
- World Education Services
  http://www.wes.org

UNIVERSITY OF CENTRAL FLORIDA
Mandatory Health Insurance for International Students on F-1 and J-1 Visas
Each international student on an F-1 or J-1 visa offered admission shall, prior to registration for classes, submit proof of required health insurance coverage to UCF Health Services to comply with the State of Florida mandatory health insurance requirement for F-1 and J-1 students. Minimum coverage limits are posted on the Health Services website at http://www.hs.ucf.edu. Use the link for health insurance that directs you to information that is specific to the UCF-endorsed health insurance plan that meets all the State of Florida requirements.

Written proof of insurance must also be provided if the insurance is issued by a foreign carrier or underwriter. A statement must be provided in English to assure that the policy meets the State of Florida minimum levels of insurance coverage.

The University reserves the right to refuse registration to any international student on F-1 or J-1 visa who fails to comply with this insurance requirement or who is unable to supply satisfactory proof of insurance. The University also reserves the right to withdraw from classes any international student who fails to maintain insurance coverage, cancels insurance coverage while still enrolled as a student, or avoids in any way the responsibility to comply with the insurance requirement. For questions, call UCF Health Services at 407-823-3707 or go to their website noted above.

Non-Academic Admission Clearances
Florida Department of Education Rule 6C-6.001(2) authorizes universities to refuse admission 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 may receive any other academic and/or disciplinary action prescribed by the University, including but not limited to academic dismissal.

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

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 a Florida public community college, state college or university may satisfy the General Education Program requirements of UCF by completing the general education program prescribed in the appropriate UCF catalog. Transfer applicants with incomplete general education programs will have their credits evaluated on a course-by-course basis.

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

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

Baccalaureate Honors
Transfer students should be aware that eligibility for graduation with baccalaureate honors requires the completion of a minimum of 48 credit hours at UCF and is based upon an overall grade point average. For more details, refer to “Academic Honors” within the “Academic Regulations and Procedures” section of this Undergraduate Catalog.
All students must apply or reapply yearly for financial aid. To be considered for the full range of financial aid available, students must 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 should have a complete financial aid file at least 60 days prior to the beginning of the semester. Students who apply late for aid should be prepared to cover their own living expenses, out-of-pocket, well into the term;
- A broad range of scholarships is available with diverse criteria. Please review the Scholarship Listing on the website 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 website and on myUCF.
- Messages from the federal processor should be reviewed thoroughly;
- 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.

**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;

**Student Eligibility**

To receive aid from most federal and state financial aid programs available at UCF, students must meet certain requirements. 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 considered 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, students should complete the Free Application for Federal Student Aid (FAFSA) by March 1st to meet their application priority date.
Student Financial Assistance

- 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. First time borrowers must complete an online Entrance Interview and 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-868 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;
- Male applicants must be registered with Selective Service, if applicable.

Program Eligibility Charts
To ensure enrollment in sufficient hours for the various financial aid programs, please refer to the Program Eligibility Charts on the website, under Receiving Aid.

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 filed and received. Include student’s name and PID on all documents submitted. (Do not submit originals; documents will be shredded after scanning.)
- Activate Knights E-mail account and check it regularly to avoid missing important and critical information from Student Financial Assistance and the university;
- 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 any time, call the appointment line, 407-823-5285, to meet with a counselor;
- Comprehensive information can be found on the website: http://finaid.ucf.edu.

School Costs
Estimated student budgets have been developed as a guide to help students anticipate their costs at UCF. Please refer to the website for the estimated Cost of Attendance.

<table>
<thead>
<tr>
<th>Estimated Cost of Attendance for 2011-2012</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Undergraduate Students</strong></td>
</tr>
<tr>
<td>Fall/Spring based on 14 hours per term</td>
</tr>
<tr>
<td><strong>Florida Residents</strong></td>
</tr>
<tr>
<td>On/Off Campus</td>
</tr>
<tr>
<td>Parent/Relative</td>
</tr>
<tr>
<td><strong>Non-Florida Residents</strong></td>
</tr>
<tr>
<td>On/Off Campus</td>
</tr>
<tr>
<td>Parent/Relative</td>
</tr>
<tr>
<td><strong>Tuition and Fees</strong></td>
</tr>
<tr>
<td>$4,518</td>
</tr>
<tr>
<td>$4,518</td>
</tr>
<tr>
<td>$19,832</td>
</tr>
<tr>
<td>$19,832</td>
</tr>
<tr>
<td><strong>Books</strong></td>
</tr>
<tr>
<td>924</td>
</tr>
<tr>
<td>924</td>
</tr>
<tr>
<td>924</td>
</tr>
<tr>
<td>924</td>
</tr>
<tr>
<td><strong>Room &amp; Board</strong></td>
</tr>
<tr>
<td>8,574</td>
</tr>
<tr>
<td>4,450</td>
</tr>
<tr>
<td>8,574</td>
</tr>
<tr>
<td>4,450</td>
</tr>
<tr>
<td><strong>Transportation</strong></td>
</tr>
<tr>
<td>1,800</td>
</tr>
<tr>
<td>1,800</td>
</tr>
<tr>
<td>1,800</td>
</tr>
<tr>
<td>1,800</td>
</tr>
<tr>
<td><strong>Personal Expenses</strong></td>
</tr>
<tr>
<td>2,276</td>
</tr>
<tr>
<td>2,276</td>
</tr>
<tr>
<td>2,276</td>
</tr>
<tr>
<td>2,276</td>
</tr>
<tr>
<td><strong>Total Costs</strong></td>
</tr>
<tr>
<td>$18,092</td>
</tr>
<tr>
<td>$13,968</td>
</tr>
<tr>
<td>$33,406</td>
</tr>
<tr>
<td>$29,282</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 website under “Receiving Aid” list the various programs and their specific enrollment requirements. Detailed information for each program can also be found on the website 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 circumstances 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 website. 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 deferral of tuition and fee payments. Deferments 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 amount owed to the university that is not covered by estimated aid and/or other resources by the payment deadline. The deferral process occurs automatically if the student is meeting all general eligibility requirements and has enrolled in sufficient hours for the financial aid program/s. Please refer to the Program Eligibility Charts on the website for more information. Students should use myUCF to obtain up-to-date information. Since awards and eligibility are subject to change, deferments 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. To have access to accept loans, all required items on the To Do List must be submitted. Students must drop classes prior to the end of Add/Drop in order to not be fee liable for those classes. If students do not drop their classes, a financial aid deferment may keep the classes active even if they are never attended.
Disbursements
Timing of disbursements is contingent upon students meeting all conditions for receiving aid. Disbursement of financial aid begins the second week of the semester. At the end of Add/Drop, awards are adjusted based on student’s enrollment. The week following, the disbursement process is initiated by moving awards to the student’s account. Once funds are disursed to the office of Student Accounts, the disbursement record is posted on myUCF under View My Account on the Student Center. Charges appearing on the student’s account will be deducted at that time. Any remaining financial aid will be processed as a refund with the exception of any PLUS Loan for Parents, which will be disbursed to the parent at their mailing address. If charges remain on the account after disbursements, or if subsequent charges are made to the student’s account, it is the student’s responsibility to make sure they are paid. Students signed up for direct deposit should allow up to four business days for funds to show in their bank account. For refund checks that are being mailed, students should allow at least a week to receive their check at their current mailing address on myUCF.

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

Satisfactory Academic Progress (SAP)
Federal regulations require the University to establish Standards of Satisfactory Academic Progress as a general eligibility requirement for financial aid. A student must maintain satisfactory academic progress in a course of study regardless of whether the student previously received financial aid.

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.
- 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).

<table>
<thead>
<tr>
<th>Classification</th>
<th>Maximum UCF Hours Allowed For Completing Degree</th>
</tr>
</thead>
<tbody>
<tr>
<td>Undergraduate</td>
<td></td>
</tr>
<tr>
<td>All Freshman</td>
<td>Undergraduate</td>
</tr>
<tr>
<td></td>
<td>180 Attempted UCF Hours</td>
</tr>
<tr>
<td>Transfer Sophomores</td>
<td>135 Attempted UCF Hours</td>
</tr>
<tr>
<td>Transfer Juniors</td>
<td>90  Attempted UCF Hours</td>
</tr>
<tr>
<td>Transfer Seniors</td>
<td>45  Attempted UCF Hours</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Second Degree</td>
<td>60 Attempted Hours</td>
</tr>
<tr>
<td>Masters</td>
<td></td>
</tr>
<tr>
<td></td>
<td>70 Attempted Hours</td>
</tr>
<tr>
<td>Specialist Degree-Seeking</td>
<td>100 Attempted Hours (Including all Graduate Hours)</td>
</tr>
<tr>
<td>Doctoral</td>
<td>120 Attempted Hours (Including all Graduate Hours)</td>
</tr>
</tbody>
</table>

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:
- Complete the Satisfactory Academic Progress Appeal Form; (available on the Office of Student Financial Assistance website at: http://finaid.ucf.edu, under Forms).
- 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.
- Students reinstated on financial aid probation will be required to have an academic plan that must be monitored.

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 year;
- you are or will be enrolled in a master’s or doctorate degree 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 a Veteran of 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; or,
- you were determined, by the director of a runaway or homeless youth basic center or transitional living program, that you were an unaccompanied youth who was homeless or were self-supporting and at risk of being homeless.
Student Financial Assistance

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 ensure that the visited school promptly provides the UCF Registrar’s Office with academic transcripts at the conclusion of the term, confirming that the attempted hours are completed. This will help avoid 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.
Tuition and Fees

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

Fee Invoice: A printed Fee Invoice confirms fees and course registration. Fee Invoices are available 24/7 on the web at http://www.my.ucf.edu, kiosks, and from the student’s college advising offices. Students must obtain a current Fee Invoice prior to making payment at one of the payment locations. Fee Invoices are not mailed. Generate and print an initial Fee Invoice after initial registration of courses. Courses that are added or dropped after initial registration of courses require that a new Fee Invoice be generated and printed; this must be compared to initial invoice to ensure that the fees are adjusted.

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

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

Tuition and Fees

2010-2011 Fee Schedule*

<table>
<thead>
<tr>
<th></th>
<th>Florida Resident</th>
<th>Non-Florida Resident</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Undergraduate</td>
<td>Graduate</td>
</tr>
<tr>
<td></td>
<td>(0000-4999)</td>
<td>(5000-7999)</td>
</tr>
<tr>
<td>Tuition</td>
<td>$95.67</td>
<td>$256.56</td>
</tr>
<tr>
<td>Differential Tuition</td>
<td>$15.88</td>
<td>0.00</td>
</tr>
<tr>
<td>Out-of-State</td>
<td>0.00</td>
<td>0.10</td>
</tr>
<tr>
<td>Building Fee</td>
<td>$2.32</td>
<td>0.32</td>
</tr>
<tr>
<td>Capital Improvement Fee</td>
<td>$2.44</td>
<td>0.44</td>
</tr>
<tr>
<td>Financial Aid Fee</td>
<td>$4.78</td>
<td>$12.82</td>
</tr>
<tr>
<td>Non-Resident Financial Aid Fee</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>Activity and Service Fee</td>
<td>$10.79</td>
<td>$10.79</td>
</tr>
<tr>
<td>Athletic Fee</td>
<td>$12.98</td>
<td>$12.98</td>
</tr>
<tr>
<td>Health Fee (per hour)</td>
<td>$9.52</td>
<td>$9.52</td>
</tr>
<tr>
<td>Transportation Access Fee*</td>
<td>$8.19</td>
<td>$8.19</td>
</tr>
<tr>
<td>Technology Fee</td>
<td>$4.78</td>
<td>$12.82</td>
</tr>
<tr>
<td>Total Per Hour Fees</td>
<td>$167.35</td>
<td>$328.44</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 7/1/07 are exempt.

2010-2011 Repeat Course Schedule*

<table>
<thead>
<tr>
<th></th>
<th>Florida Resident</th>
<th>Non-Florida Resident</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Undergraduate</td>
<td>Graduate</td>
</tr>
<tr>
<td></td>
<td>(0000-4999)</td>
<td>(5000-7999)</td>
</tr>
<tr>
<td>Tuition</td>
<td>$95.67</td>
<td>0.00</td>
</tr>
<tr>
<td>Differential Tuition</td>
<td>$15.88</td>
<td>0.00</td>
</tr>
<tr>
<td>Non-Resident Fee</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>Building Fee</td>
<td>$2.32</td>
<td>0.00</td>
</tr>
<tr>
<td>Capital Improvement Fee</td>
<td>$2.44</td>
<td>0.00</td>
</tr>
<tr>
<td>Financial Aid Fee</td>
<td>$4.78</td>
<td>0.00</td>
</tr>
<tr>
<td>Non-Resident Financial Aid Fee</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>Activity and Service Fee</td>
<td>$10.79</td>
<td>0.00</td>
</tr>
<tr>
<td>Athletic Fee</td>
<td>$12.96</td>
<td>0.00</td>
</tr>
<tr>
<td>Health Fee (per hour)</td>
<td>$9.52</td>
<td>0.00</td>
</tr>
<tr>
<td>Transportation Access Fee*</td>
<td>$8.19</td>
<td>0.00</td>
</tr>
<tr>
<td>Technology Fee</td>
<td>$4.78</td>
<td>0.00</td>
</tr>
<tr>
<td>Repeat Course Fee</td>
<td>$163.38</td>
<td>0.00</td>
</tr>
<tr>
<td>Total Per Hour Fees</td>
<td>$530.73</td>
<td>$0.00</td>
</tr>
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</table>

Other Fees: Resident and Non-resident*

<table>
<thead>
<tr>
<th></th>
<th>Florida Resident</th>
<th>Non-Florida Resident</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Undergraduate</td>
<td>Graduate</td>
</tr>
<tr>
<td></td>
<td>(0000-4999)</td>
<td>(5000-7999)</td>
</tr>
<tr>
<td>Distance Learning Course Fee (per hour)</td>
<td>$18.00</td>
<td></td>
</tr>
<tr>
<td>UCF Campus Card Fee (per academic year)</td>
<td>$10.00</td>
<td></td>
</tr>
<tr>
<td>Campus (ID) Card Replacement Fee</td>
<td>$15.00</td>
<td></td>
</tr>
<tr>
<td>Material and Supply Fee (per term; approved courses only – varies per course)</td>
<td>$5.00-$45.00</td>
<td></td>
</tr>
<tr>
<td>International Student Service Fee (per term)</td>
<td>$50.00</td>
<td></td>
</tr>
<tr>
<td>Repeat Course Fee (per hour)</td>
<td>$163.38</td>
<td></td>
</tr>
<tr>
<td>Equipment Fee (per term, for use of equipment)</td>
<td>$4.78</td>
<td></td>
</tr>
<tr>
<td>Late Registration Fee (per term)</td>
<td>$100.00</td>
<td></td>
</tr>
<tr>
<td>Late Payment Fee (per term)</td>
<td>$100.00</td>
<td></td>
</tr>
<tr>
<td>Returned Check Fees:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Check amounts up to $50.00</td>
<td>$25.00</td>
<td></td>
</tr>
<tr>
<td>Check amounts over $50.00 up to $300.00</td>
<td>$30.00</td>
<td></td>
</tr>
<tr>
<td>Check amounts over $300.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Zero Hour Registration: Students registering for zero credit hours pay for a minimum of one credit hour at the level they are classified. Fees are subject to change without notice.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note: 2011-2012 tuition and fees were not available at the time of this publication. Rates for the 2011-2012 academic year will be available in early July 2011.

Student Financial Responsibility Statement

Registration at UCF requires students to acknowledge the following financial responsibility statement:

“I understand that I will be responsible for tuition and fees for all courses that remain on my record after the drop deadline and that the courses will be graded.

I accept responsibility for payment of my term tuition and fees by the published deadline. I understand that if I do not pay my tuition and fees or do not pay these fees by the deadline, I will be charged a $100 Late Payment Fee, my records will be placed on hold, my account may be referred to a collection agency, and I may incur other financial responsibilities.”
Payment Procedures
Payment must be received or postmarked no later than the fee payment deadlines as specified on the Academic Calendar. The primary form of payment of most account holders is on-line through the E-pay system via the myUCF portal. Currently students can pay using a check or a credit card in this system. Payments cannot be transmitted by telephone.

Acceptable forms of payment:
Checks
Credit Cards
E-Pay - https://my.ucf.edu – E-Check or Credit Card

- A nonrefundable $10.00 convenience fee will apply per transaction.
- Payments made at any time on the day of the published fee payment deadline through 11:59 P.M. Eastern Standard Time will be considered on time.

E-Pay process:
Sign in the myUCF portal as usual then click on the link for Student Self Service; this will open your Student Center page. Use the right scroll bar to scroll to the Finance section. You will find a section for Student Accounts.

- Click on the link for the Fee Invoice. Select the current term (i.e. Sum 2011, Fall 2011, or Spring 2012). The Fee Invoice will provide you your schedule, the charges, the Amount Due and deferrals.
- Write down the Amount Due as you will need that amount once you are on the E-Pay system.
- Scroll down to the bottom of the page and click the link to Due Charges/E-Pay. Enter Payment Amount in the empty box next to the actual charge.
- Click on Continue and then follow the Payment Gateway instructions for the method of payment.

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

Payment Drop – 24-Hour Depository at main Campus

Payment Locations (Call respective campus for office hours and options):
Main Campus - provides various payment stations on the campus for on-line payments – (407) 823-2433; 24-Hour night depository – Millican Hall at Reflection Pond Entrance (No Cash)
Regional Campuses: The University of Central Florida now requires all tuition and fees to be paid electronically. While there are no longer direct cashing services available on the Regional Campuses, students can pay all tuition and fees electronically, either by credit card or check, in the student services area at each major Regional Campus location. Additionally, payments may be mailed to: UCF Cashiers Office, P.O. Box 160115, Orlando, FL 32816-0115.

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 Services by submitting a Florida Prepaid Tuition Plan Procedures form 41-905 request not to bill FPP on or before the first day of the Drop/swap and Late Add period. Submit written request as a scanned attachment in an e-mail or by fax.

The standard plan will cover $105.21 per credit hour (graduate or undergraduate level) for the 2010-2011 academic year. The plan does not cover the local fees of $41.48 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 an additional $33.93 per credit hour. For further details on the Florida Prepaid Tuition Plan please visit our website http://www.FP.ucf.edu and click Forms. Then click on Student Services. Scroll down to Florida Prepaid Tuition Plan Procedures.

Note: The 2011-2012 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. State Employee registration occurs on the last day of regular Registration for each term, at the time specified on the Academic Calendar http://registrar.sdes.ucf.edu/calendar/academic/ for each term. Should the 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 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, clinical 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 Services by fax or as a scanned attachment in an e-mail. 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 may incur a $100.00 Late Payment fee. See the Academic Calendar http://registrar.sdes.ucf.edu/calendar/academic/ for each term for the fee payment deadlines. Employees may obtain the “State Employee Tuition Waiver” form, policy and instructions from the Registrar’s Office website at http://www.registrar.ucf.edu/State_UCF.html. 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
All 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://registrar.sdes.ucf.edu/calendar/academic/ for each term. Should the 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, clinical 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 Services by fax or as a scanned attachment in an e-mail. 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 may incur a $100.00 Late Payment fee. See the Academic Calendar http://registrar.sdes.ucf.edu/calendar/academic/ for each term for the fee payment deadlines. Employees may obtain the “State Employee Tuition Waiver” form, policy and instructions from the Registrar’s Office website at http://www.registrar.ucf.edu/forms/ employee_waiver/. Students are encouraged to list alternate courses on their waiver form to substitute for
for the first time that term during Late Registration and Drop/Swap and Late Registration Fees are charged to students who enroll following deadline. The Late Payment Fee is $100 per term.

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 prior to the last day of the first six months of the close of the semester/term to which the refund or other appeal action is applicable. Any debts to the University will be deducted from the refund, up to the full amount.

Full Refund Eligibility
The following conditions allow a full refund: 1) A class is dropped 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 into the student’s checking account 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 https://my.ucf.edu and click on Student Self Service. Go to the Student Accounts Services 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 also 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 the Add period 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 https://fa.ucf.edu. Click Forms, Student Services, and Fee Appeals Petition. Students must submit their petitions to Student Accounts Services and may appear before the Committee (not mandatory). Send forms and back-up documentation as a scanned attachment in an e-mail or faxed to Student Accounts Services. Address faxed petitions to: 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. Holds paid on-line may take up to two (2) business days to clear.

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, resident alien or other non-citizen who has demonstrated as indicated below (for dependent students, as defined by Internal Revenue Service regulations, a parent or guardian must qualify).

And
Have established a legal residence in this state and maintained that legal residence for 12 months immediately prior to the term in which they are seeking Florida resident classification. The student’s residence in Florida must be as a bona fide domicile rather than for the purpose of maintaining a mere temporary residence or abode incident 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 documentation must be submitted on or 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 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 or Florida identification;
   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 employ-
Student Tuition and Fees

ment-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;

be married to a person who has been a legal resident of Florida for the required 12-month period and relinquish legal ties to any other state,

be a member of the Armed Forces on active duty stationed in Florida, or a spouse or dependent,

or be a member of the full-time instructional or administrative staff of a state public school, community college, or university in Florida, a spouse or dependent, and active drilling members of the Florida National Guard,

be a United States citizen living on the Isthmus of Panama who has resided in Florida for the required 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 universities,

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 or stationed in this state under the North American Air Defense (NORAD) agreement, or a spouse or dependent.

Residency Reclassification

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

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, Undergraduate Policy requires residents requesting residency reclassification to provide documentation establishing that they have income or personal sources to meet financial obligations of attendance and living expenses. Contact the Registrar’s Office at 407-823-3100 for additional information regarding all residency reclassification requirements.

When building a case for Florida residency for tuition purposes, the student must submit documents from a variety of categories. Students may consult the Registrar’s Office before submitting the reclassification request and supporting documents. The submission of documents in itself does not qualify the student for Florida residency for tuition purposes. The Registrar’s Office will evaluate the submitted documentation and available information for 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 evidences physical presence. The student must provide documentation verifying that he or she has formed significant legal ties to the State of Florida. This documentation must establish that the Florida residence constitutes a bona fide domicile rather than serving the purpose of maintaining a mere temporary residence or abode incident to enrollment in an institution of higher education. Evidence establishing legal ties to states other than Florida may disqualify the student from Florida residency for tuition purposes. All determinative documents must be dated at least 12 months before the first day of class for the term in which residency is sought.

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

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

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

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 student development, leadership growth, experience based learning, values education and civic engagement which lead to overall student success.

SDES affirms that the student who comes to UCF should not be the same student who graduates from UCF. We embrace the tenets of the UCF Creed – Integrity, Scholarship, Community, Creativity, and Excellence as a framework for developing student learning outcomes to facilitate transformational learning.

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

The division is comprised of the following areas:

Academic Services for Student-Athletes (ASSA)
Director: TBA
WD I; 407-823-5896
E-mail: Vanessa.Hernandez@ucf.edu
http://www.assa.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 Sciarino
SU 215; 407-823-5548
E-mail: asf@ucf.edu
http://www.asf.ucf.edu

The Activity & Service Fee Business Office services the accounting, personnel, and/or purchasing needs of Activity & Service Fee funded Departments and 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 printing to currently enrolled students. Our office also manages the Student Government Ticket Center which sells a variety of specially-priced tickets to local theme parks, movie theaters and attractions. The Student Government Ticket Center is also an authorized TicketMaster Retail Outlet.
Division of Student Development And Enrollment Services

Alcohol and Other Drug Education, Prevention, and Wellness
Director: Tom Hall
COUN; 407-823-0879/407-823-5841
http://www.aod.sdes.ucf.edu

Alcohol and Other Drug Education, Prevention, and Wellness offers comprehensive behavioral health to assist every UCF student in being a “Healthy Knight.” Alcohol and Other Drug Education, Prevention, and Wellness recognizes the role of lifestyle in health, academic success, and disease prevention by offering a wide range of health promotion and intervention services on topics including: sexual wellness, nutrition, financial wellness, stress management, sleep hygiene, body acceptance, smoking cessation, sexual violence, healthy relationships, gambling, and internet addiction. A variety of services are provided, including education, prevention, alcohol and other drug assessment and evaluation, short term intervention, and referrals for treatment, along with HIV counseling, massage, and biofeedback.

Campus Faith & Ministries United
Director: Brad Crawford
SU 305; 407-823-5336
http://www.ucministries.com

Campus Faiths & Ministries 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
Executive Director: Lynn Hansen
E-mail: career.ucf.edu
CSEL; 407-823-2361
http://www.career.sdes.ucf.edu

Career Services offers a comprehensive range of services to help UCF students of any major reach their academic and career goals with a talented staff of career 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
Executive Director: Stacey Pearson
COUN; 407-823-2811
E-mail: counseling.ucf.edu
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 8-7 during fall and spring semesters.

The Counseling Center offers:

- 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 website at http://www.counseling.sdes.ucf.edu.

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

The Creative School for Children is an Educational Research Center for Child Development that 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 learning environment in the Creative School classroom is facilitated by highly skilled, degreed teachers who offer 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. The Creative School for Children also offers the Florida state Voluntary PreK (VPK) program for age eligible four year old children. Experiences in observation and training in academic areas also are made available to university students. Opportunities for educational research are available to university faculty, undergraduate and graduate students. The school enrolls children 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
E-mail: fy@ucf.edu
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 Major Exploration Program to assist them in the major selection process.

To fulfill this mission, each student is assigned a specific academic advisor who connects with the student through various activities such as orientation, individual appointments, outreach programs, and 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 LEARN 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.

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

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

First Year Experience (FYE)
Executive Director: Joe Ritchie
PH 218; 407-823-5105
E-mail: fye@ucf.edu
http://www.fye.sdes.ucf.edu

The First Year Experience Office combines orientation with extended first-year transition programs including Pegasus Palooza, LINK and the Strategies for Success course. It assists entering freshmen and transfer students with their transition to the University of Central FLORIDA
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 session prior to registration for classes. Students register for the program by visiting the First Year web site at http://www.fye.sdcs.ucf.edu. In addition, LINK assists FTIC students in their transition by creating, coordinating and promoting campus-wide co-curricular educational programming and activities. Students also have the opportunity to serve as Orientation Team (O-Team) leaders and peer mentors for the Strategies for Success course.

**Fraternity and Sorority Life**

Assistant Vice President, Student Development and Enrollment Services, and Director: Belinda Boston
SU 154 (Greek Council Office); 407-823-2072
http://www.greek.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 involvement, and camaraderie. The Greek Life experience is unique and encompasses small group living and more importantly, developmental programming for individuals, chapters, chapter alumni boards, house corporation officers, and collegiate governing boards (i.e., Panhellenic Council (PAN), Interfraternity Council (ICF), National Pan-Hellenic Council (NPHC), Diversified Greek Council (DGC), and the Greek Council).

Sororities or fraternities can offer students a “home away from home,” a scholastic support system, networking opportunities, an organization for community service, hands-on experience in running a working entity, and a foundation for long-lasting friendships. You can follow what’s happening within the Greek community via our Facebook page or on Twitter. Currently we have 44 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 (HS)**

Director: J. Robert Wirag
HC 309; 407-823-2094
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 promote, restore 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 practice nurses (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 with filing claims with their medical insurance company. Currently, UCF HS physicians are contracted in-network providers with BlueCross BlueShield PPO and Blue Options, United Healthcare, and AvMed health insurance plans. This entities faculty, staff, and students to use 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.

UCF endorses an optional health and accident insurance plan for students. Our current student health insurance plan is offered by United Health Care Student Resources and may be purchased by enrolling at (http://www.gallagherkoster.com/FloridaUSystem). This voluntary plan is separate from the health fee students are required to pay each semester. However, when purchased, the insurance will cover most of the Health Services charges without a co-pay and also provides benefits for services that are beyond the scope of the campus Health Services program, such as hospital referrals and specialty 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 coordinator. This state-of-the-art facility is located in the on-campus Health Center parking lot and provides preventive 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, staffed with pharmacists passionate about patient education and providing excellent customer service. Patients are individually counseled and provided with written drug information. Each prescription is monitored for duplicate therapy, drug allergies and interactions. The Pharmacies accept over 250 prescription insurance plans and offer competitive prices for those students who do not have insurance 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.

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

**Housing and Residence Life**

Executive Director: Christi Hartzler
HAB; 407-823-4663
http://www.housing.ucf.edu

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 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 bedrooms and 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.
Division of Student Development And Enrollment Services

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.

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, Student Development and Enrollment Services: 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 for 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-SNRR fosters a supportive environment for off-campus students by providing an advocacy for resolving problems, “on the spot” or by referring to campus referrals, and explores 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 (OSI)
Director: Michael Preston
SU 208; 407-823-6471
E-mail: Michael.Preston@ucf.edu
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 (RSOs), as well as the advisement and coordination of the following student groups: Campus Activities Board (CAB), Homecoming, Knightcast, Knights of the RoundTable (KoRT), Late Knights, Multicultural Student Center (MSC), Student Government Association (SGA), and Volunteer UCF (VUCF).

Office of Student Rights and Responsibilities (OSRR)
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, personal and campus policies, and resolution skills, and university student conduct rules. Our resources are more effectively used by combining and referring within the judicial knowledge base that exists within these three services. OSRR also publishes the Student Handbook, the Golden Rule, which contains more detailed information on student life, copies of the Golden Rule can be obtained at OSRR, 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
Director: Jennifer Wright
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 while promoting individual 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. Mediation services are provided to UCF students, faculty, and staff at no charge. Dispute Resolution Services also offers educational workshops and outreach programs to foster understanding and promote harmony within the university community. The UCF community would also consider this office as a place of support, encouragement, and guidance in handling college level issues associated with academic integrity, ethics, civility, and the UCF Creed.

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

The Office of Student Conduct addresses alleged violations of the “Rules of Conduct” contained within 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
Associate General Counsel: Patricia Dullaghan
FC 142; 407-823-2538
http://www.sls.sdes.ucf.edu

Student Legal Services provides students with advice and consultation, including court representation in selected areas of law such as landlord/tenant disputes, consumer issues, wills, uncontested divorces, name changes, Chapter 7 Bankruptcies, traffic tickets, criminal cases including misdemeanors and felonies of third degree, and sealing and expungement of criminal records. Services are provided free of charge to students who are currently enrolled at UCF and paying activity and service fees. 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.

PRIME STEM Student Support Services Program
Director: Rebekah McCloud
PH 208; 407-823-4165
E-mail: rebekah.mccloud@ucf.edu
http://www.prime.sdes.ucf.edu

The PRIME STEM Students Support Services Program addresses the academic and social needs of eligible students enrolled at UCF who are first-generation in college, have a documented disability, or demonstrate financial need that are pursuing STEM related majors: Science, Technology, Engineering, and Mathematics. All PRIME STEM Project scholars have an opportunity to participate in a student success course, complete mandatory academic advising, be exposed to faculty, staff, and community partners who are employed in STEM occupations, and a host of other services including: Supplemental Instruction and tutoring, financial literacy, academic success workshops, professional and cultural events, personal and career counseling, mentoring, graduate school services and opportunities for undergraduate research, service learning, and conference attendance.
Recreation and Wellness Center (RWC)

Director: James Wilkening
RWC; 407-823-2408
http://www.rwc.sdes.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: Athletic Training, Aquatics, Fitness, Intramural Sports, Outdoor Adventure 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.

Regional Campuses Student Services
Assistant Vice President: A.J. Range
University Tower, Suite 101, 12201 Research Parkway, Orlando, FL 32826; 407-823-4547
E-mail: A.J.Range@ucf.edu

Student Services, UCF Daytona Campus
Director: Diana Weidman
386-506-4024
E-mail: erss@ucf.edu

Student Services, UCF Cocoa and UCF Palm Bay Campuses
Director: TBA
321-433-7950
E-mail: srss@ucf.edu

Student Services: UCF South Lake, UCF Leesburg and UCF Ocala Campuses
Director: Pamela Brady
352-536-2219
E-mail: wrss@ucf.edu

Student Services: UCF Valencia West, UCF Valencia Osceola and UCF South Orlando Campuses
Coordinator: Carol Black
407-582-5487
E-mail: carol.black@ucf.edu

Student Services: UCF Sanford/Lake Mary Campus
Coordinator: Michelle VanBrunt
407-708-2805
E-mail: michelle.vanbrunt@ucf.edu

The 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 programing and assistance to student organizations as well as provide various standardized test information.
Division of Student Development And Enrollment Services

Registrar’s Office
University Registrar: Brian C. Boyd
MH 161; 407-823-3100, Registration HelpLine: 407-823-3533
E-mail: registrar@ucf.edu
http://www.registrar.sdes.ucf.edu

The Registrar’s Office, with a commitment to quality service and leading edge technology, provides timely and accurate enrollment information and services 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, 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.

Rosen College of Hospitality Management Student Life
Assistant Director: Tiffany Greenis
9907 Universal Blvd., Suite 204-F, Orlando, FL 32819; 407-903-8150

Student’s campus life needs are met at the Rosen College of Hospitality Management campus through the Student Life office. Staffing and services provided through this office include: registered student organization support, on-campus student housing information, student activities programming guidance and support, and the Golden Rule interpretation.

Sophomore and Second Year Center (SSYC)
Director: Robert Snow
PH 215; 407-823-3375
E-mail: sophomore@ucf.edu
http://www.sophomore.sdes.ucf.edu

The Sophomore and Second Year Center (SSYC) has a mission to retain sophomore and second year students at the University of Central Florida. This mission is accomplished by providing academic advising and support services to targeted student populations, developing and conducting programs that guide students toward declaration of a major (degree program), connecting students to the appropriate campus resources and services, providing enhanced information and advising resources through technology (Video Chat Advising), and assisting students with their progression towards graduation from UCF. SSYC provides on-going communication throughout the year with these students to keep them aware of various major exploration outreach events, and to help sophomore and second year freshmen students stay connected and engaged with the UCF campus community.

The SSYC office has primary responsibility for connecting undeclared (no major) and undecided sophomores and second year freshmen students to various campus resources, academic advising for major & career exploration, academic support services, and transition assistance to the appropriate college advising office or department. SSYC also provides advising support to accelerated FTIC’s (First Time In College students) entering UCF with 30 or more college credits earned from AP, IB, CLEP, and/or dual enrollment courses; and sophomores and second year freshmen who are changing their majors or need assistance in transitioning to the appropriate college advising support office.

Student Academic Resource Center (SARC)
Director: Terry Exum
PH 113; 407-823-5130
E-mail: sarc@ucf.edu
http://www.sarc.sdes.ucf.edu

The Student Academic Resource Center provides high-quality programs and services that enable UCF students to achieve their academic goals. Programs include: Supplemental Instruction, 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 courses.

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 and the College Achievement Program.
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 185; 407-823-2371
http://www.sds.sdes.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 include, 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 TTYs/TDDs to contact Student Disability Services (TTY/TDD calls only phone 407-823-2116).

Student Government Association (SGA)
Advisors: Michael Preston and Kerry Welch
SU 214; 407-823-2191
http://www.ucfsga.com

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 and Express Printing labs, discount tickets to movie theaters and theme parks, legal services, recreational opportunities through the Recreation and Wellness Center and Sport Club Council, 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.

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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 President, Vice President, and cabinet, oversees the daily administrative operation of SGA. The legislative branch funds student organizations and also passes bills and resolutions benefiting 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 about how to become involved with SGA or how your student organization can receive funding, contact the Student Government Association office.

**Student Leadership Development (SLD)**
**Director:** Stacey Malaret  
**SU 207; 407-823-2223**  
http://sld.sdes.ucf.edu

The mission for Student Leadership Development (SLD) is to establish an environment that will provide comprehensive leadership education, development, and civic engagement opportunities for the UCF community. Through collaboration and partnerships, SLD will incorporate the UCF CREED and the Social Change Model of Leadership to create professional, academic and experiential opportunities that challenge, empower, and educate students to become social change agents in a global society.

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

The LEAD Scholars Program, designed for the first two years at UCF, provides academic, service and experiential opportunities for students to combine in and out of class challenges and learn to understand the inter-relationship of all aspects of a college career. The application process for this program is open to all first time in college students at the beginning of their career and has resulted in high persistence rates of its participants.

Lead Out Loud is an experiential program that focuses on the leadership development of multicultural students at the University of Central Florida. This program promises to enhance leadership skills, strengthen life skills and encourage positional leadership in this population of students at UCF. These are essential learning outcomes for students who will not only be retained by the university, but will be able to serve as effective leaders on campus and in the community.

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

**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 campus community with a variety of meeting rooms, offices, programs, and services. The Union is home to a great variety of restaurants including Joffrey’s Coffee and Greens salad bar, Balagan Kosher Café, Smoothie King, Subway, Sbarro, Mrs. Field’s, Pretzel Time, Wackadoo’s Grub and Brew, Crepe Royale, Qdoba Mexican Grill, Burger King, Pollo Pollo, Asian Chao and Corner Cafe. Retail stores include Greek Unique, KnightStop Convenience Store and Sushi, College Optical, and the UCF Computer Store. Other services located in the Union are the SGA Ticket Office, SGA Computer and Express Learning Lab, Learning Express, SunTrust, Bank of America and the UCF Credit Union as well a self-service Postal Kiosk. Located at the Ferrall Commons is Brooklyn Pizza and the Knights Helping Knights Pantry. The Student Union also operates the All Knight Study Lounge located at the UCF arena. For information, call 407-823-0001.

**Transfers 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 majors and non-classes;
- 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; 407-823-5109**  
E-mail: utc@ucf.edu  
http://www.testing.sdes.ucf.edu

The University Testing Center administers the Academic College Test - Residual (ACT); Accuplacer; Critical Thinking Test, Distance Learning/Correspondence Exams; Foreign Language Proficiency Exam (FLPE); Grammar Proficiency Exam (GPE); K/N Predictor, 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
- Praxis
- Law School Admissions Test (LSAT)
- Test of English as a Foreign Language (TOEFL iBT)

**Upward Bound Program**
**Director:** Rebekah McCloud  
**PH 208; 407-823-5695**  
E-mail: rebekah.mccloud@ucf.edu  
http://www.upwardbound.sdes.ucf.edu

The Upward Bound Program provides first-generation, low-income high school students with access to postsecondary 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.

**Veterans Academic Resource Center (VARC)**
**Director:** Paul Viau  
Veterans Academic Resource Center, ARNA: 407-823-2707  
E-mail: varc@ucf.edu  
http://varc.sdes.ucf.edu/

The Veterans Academic Resource Center (VARC) recognizes and supports student veterans as they transition from military to student life. The VARC, a unit of the Registrar’s Office, is a collaboration among the offices of Career Services, the Counseling Center, Student Academic Services, Student Disabilities Services, and Transfer and Transition Services, and provides a
new home for Veteran Services. VARC has been designated as a Center for Excellence for Veteran Student Success and is partially funded by a grant from the U.S. Department of Education Fund for the Improvement of Postsecondary Education (FIPSE).

Located at UCF Knights Plaza/Arena, across from Barnes & Noble, VARC is open 9 a.m. to 5 p.m. weekdays (until 5:30 p.m. on Mondays and Thursdays), and provides office space along with study, tutor and lounge areas for student veterans.

Veteran Services
Assistant University Registrar: James Middlekauff
Veterans Academic Resource Center, ARNA; 407-823-2707
E-mail: varc@mail.ucf.edu
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. Veterans and eligible dependents must be certified through Veteran Services each term to receive VA educational benefits. All veterans and eligible dependents are urged to consult Veteran Services early in the UCF admissions process for information about Veteran Services.

To maintain eligibility for VA education benefits, students must adhere to the policies and procedures for VA educational benefits as noted on the GI Bill website (http://www.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 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 website for Summer term course load and other FAQs.

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

To continue to be able to receive VA educational benefits, students must maintain satisfactory academic progress and conduct. 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. Veterans and eligible dependents also may draw VA benefits during the periods of eligibility while on Cooperative Education assignments. Payment is received during both the on-campus and off-campus work terms. Contact Veterans Services for more specific benefit information on Cooperative Education.
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 website at http://transfer.sdes.ucf.edu.

Transfer and Transition Services provides the following services and resources:
- Accurate and current information about university programs and policies including entrance and exit requirements, as well as information concerning:
  - General advising for transfer students before and after they enroll at UCF
  - Pre-admission academic advising for students applying to UCF
  - Advising for students who are undeclared, undecided, or changing majors
  - Peer Mentors provide advising and transition assistance by telephone, e-mail, and office appointments
  - Student information and advising HOTLINE 407-823-5959
  - Website for transfer students (http://transfer.sdes.ucf.edu)
  - Transfer Knights social club; Tau Sigma Transfer Honor Society
  - Orientation advising and assistance
  - 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 State College, and Valencia College guaranteed access to UCF. Meet with a DirectConnect advisor as soon as you earn 30 credit hours. At the Valencia College East Campus, TTS provides DirectConnect to UCF pre-admission and transition advising in Building 5, room 230; call 407-582-2741 to set up an appointment.

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. from a Florida public institution, 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).

You must satisfy the CLAS by the time you have completed 36 hours of upper-division course work, or you will be placed on hold, and unable to take any more upper division classes until the requirement is met. 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 8-10 credit hours in the same language at the college level, or pass a CLEP or other proficiency examination. Students admitted without this requirement must satisfy it prior to graduation.

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

How Will My Credits Transfer?
All college level credits earned for which official transcripts have been submitted will be compiled into a Transfer Summary Report (TSR), which is available online. 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.

Transfer Checklist

<table>
<thead>
<tr>
<th>Before Completing the A.A. or Articulated A.S.</th>
<th>Immunization</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y___ N.___ met with a DirectConnect advisor</td>
<td><em>/<strong>/</strong></em> date Student Health Form submitted</td>
</tr>
<tr>
<td>Y___ N.___ met with counselor or advisor for graduation check</td>
<td>Y___ N.___ need immunizations</td>
</tr>
<tr>
<td>Y___ N.___ completed application for graduation</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Application for Admission</th>
<th>Foreign Language Requirements (Admission)</th>
</tr>
</thead>
<tbody>
<tr>
<td><em><strong>/</strong>/</em>__ date submitted</td>
<td>Y___ N.___ 2 years/units earned in high school</td>
</tr>
<tr>
<td>Y___ N.___ checked admission status at <a href="https://my.UCF.edu">https://my.UCF.edu</a></td>
<td>Y___ N.___ 8-10 credits earned at the college level</td>
</tr>
<tr>
<td><em><strong>/</strong>/</em>__ date of acceptance</td>
<td>Y___ N.___ credits to be taken at the university</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Transcripts (original transcript from all institutions attended)</th>
<th>Program (Major) Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y___ N.___ transcripts sent from all current and prior institutions</td>
<td>Y___ N.___ selected a major</td>
</tr>
<tr>
<td>Y___ N.___ date final transcript sent after term completed</td>
<td>Y___ N.___ completed major prerequisites</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Financial Aid/Scholarship</th>
<th>Y___ N.___ submitted limited access application</th>
</tr>
</thead>
<tbody>
<tr>
<td><em><strong>/</strong>/</em>__ date financial aid application (FAFSA) sent</td>
<td>Y___ N.___ met grade point average (GPA) requirements</td>
</tr>
<tr>
<td><em><strong>/</strong>/</em>__ date SCHOLARSHIP application sent</td>
<td>Y___ N.___ met cumulative GPA for admission to program of study</td>
</tr>
<tr>
<td>Y___ N.___ “to do” list checked on myUCF</td>
<td>Y___ N.___ met cumulative GPA in courses taken for program of study</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Housing</th>
<th>Y___ N.___ met grade requirements for designated courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y___ N.___ reviewed OCSS handbook: Survival Guide for Living off Campus</td>
<td>Y___ N.___ met audition/portfolio/additional admission requirements</td>
</tr>
<tr>
<td><em><strong>/</strong>/</em>__ date application sent (include deposit when required)</td>
<td>Y___ N.___ completed CLAS requirements</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Orientation:</th>
<th>Orientation date at UCF</th>
</tr>
</thead>
<tbody>
<tr>
<td><em><strong>/</strong>/</em>__</td>
<td></td>
</tr>
</tbody>
</table>
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 website 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. Advising is 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.

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 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?
ACADEMIC ADVISING

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, dual enrollment and CLEP credit.
   c. An awareness of expectations for success at UCF; and,
   d. Information about key academic policies and important deadlines.
2. Connect with their first year advising office according to the following designated priority order:
   a. First Year Advising and Exploration (FYAE) - for first year students in the EXCEL LEARN 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 (WDSC 110)
   c. Student Academic Resource Center (SARC) - for Participants in the College Achievement Program (CAP) and 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 30 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 experience. For more information about the first year advising offices and their services, please see the “Student Development and Enrollment Services” chapter of this Undergraduate Catalog.
3. Participate in programs and advising activities that will promote a successful transition from high school to the university.
4. Transition to an academic advising office within the college of the student’s chosen major after the completion of his or her first year.

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

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

College of Arts and Humanities
 Majors within the College of Arts and Humanities should meet with their major/minor advisor concerning major/minor requirements and with an advisor in CAHSA regarding all other 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 website 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. All questions pertaining to major/minor requirements should be directed to the department advisor in the major/minor program; and,
4. Meet with their major/minor advisor to conduct a graduation review of major/minor requirements in the semester prior to the intended semester of graduation. After seeing the major/minor advisor and in the semester prior to the term of graduation, eligible students will receive an 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.
5. 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 academic advisors 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 academic advisors 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 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 Academic Advising Center (ED 115) if their major is Elementary Education or Education Pending Academic advising sessions may be scheduled by calling 407-823-3723 or 407-823-3369; 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 Academic Advising Center, if in a “pending major,” to review academic progress 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 439;
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 or computer science advisement hold. This plan must be submitted online to the CECS Academic Affairs Office each time a student uses the registration process; and,
7. File the “Intent to Graduate” through myUCF and meet with an advisor for graduation check in the CECS Academic Affairs Office, by the last day of classes of the term prior to the term in which the student intends to graduate.

College of Health and Public Affairs
New students will:
Meet college advising representatives in a group setting during Orientation to:
1. Discuss degree program requirements;
2. Understand career options of the major program of study;
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. Meet with an advisor in 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” through MyUCF and meet 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.
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 curriculum 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 Selected 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:

<table>
<thead>
<tr>
<th>Subject</th>
<th>Course Code(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Biological Sciences</td>
<td>BSC 2010C, 2011C*</td>
</tr>
<tr>
<td>Genetics</td>
<td>PCB 3063</td>
</tr>
<tr>
<td>General Chemistry</td>
<td>CHM 2045C, 2046, 2046L</td>
</tr>
<tr>
<td>Organic Chemistry</td>
<td>CHM 2210, 2211, 2211L</td>
</tr>
<tr>
<td>Biochemistry</td>
<td>BCH 4053</td>
</tr>
<tr>
<td>Biochemistry/Molecular Lab</td>
<td>BCH 4103L or BSC 3403C</td>
</tr>
<tr>
<td>Microbiology</td>
<td>MCB 3020C</td>
</tr>
<tr>
<td>Calculus</td>
<td>MAC 2253 (prefer MAC 2311, 2312</td>
</tr>
<tr>
<td>Physics</td>
<td>PHY 2053C, 2054C or PHY 2048, 2049</td>
</tr>
<tr>
<td>Statistics</td>
<td>STA 2023</td>
</tr>
</tbody>
</table>

*Biomedical Sciences and Biotechnology 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, AADSAS, 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 CSB 250) as soon as possible.

**New students will:**
1. Meet in a group setting during Orientation with representatives from the College of Sciences to discuss college policies and procedures;
2. Meet with representatives of the department of the major to discuss major requirements and plan what courses to take;
3. Refer to COSAS any questions pertaining to General Education requirements, AP and CLEP credit, Gordon Rule, university credit hour requirements, university policies and procedures, 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 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,
4. Complete the on-line graduation application on myUCF within the dates specified at http://www.registrar.sdes.ucf.edu/calendar/

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

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

Rosen College of Hospitality Management
New students will:
Meet college advising representatives in group settings during orientation to:
1. Discuss degree program 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
http://regionalcampuses.ucf.edu
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.
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 and Summer and Fall Registration begins following the midterm of the Spring semester. Class listings are available only online through the Class Schedule and Course Catalog Search at https://my.ucf.edu.

Registration is available online. It is recommended that each student should log in regularly to review their registration and select courses prior to the add/drop deadlines. Students are responsible for the accuracy and completeness of their schedules. For questions or assistance, students may contact the Registrar's Office web page at http://www.registrar.ucf.edu/webe/. For additional information, students may contact the Registrar's Office web page at http://registrar.sdes.ucf.edu.

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/webe/.

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

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

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

Credit Hour Limits
Undergraduate students are limited to 14 credit hours for the Summer term and 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 credit hour in excess of 120% of the 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 who regularly review their degree audits and consult with an academic advisor make sure they are not enrolling in excess courses. More detailed explanation of the excess hours rule can be found on the University Registrar’s Office web site at 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 required before a release can be given. Students may check for holds on the myUCF system at https://my.ucf.edu under the Student Self Service link. To obtain a release for financial holds, 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) 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/
 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/Registrar/ or by contacting the Registrar’s Office (MH 161), certain college advising offices, or a Regional Campus records office. Students may withdraw by fax at 407-823-5652. Faxed requests must be received by 5:00 p.m. on the last day to withdraw 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 withdrawal 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 for an entire term with the intent of not returning to UCF, they must also drop 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 or advisor 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 website at http://www.academicservices.ucf.edu/academic_record/ and consult Academic Services (MH 210). Students who are granted a late withdrawal will be given a passing or failing 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 immediately 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 “WP” or “WF” 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 unit head who will notify the University Registrar that the student shall not be withdrawn from the course in question. Only a written release from the authorized party deciding a student appeal will permit withdrawal. However, if the student appeals the academic action and desires to withdraw from the course, the process shall be initiated by the student immediately in the normal University manner. Such withdrawal requests will be held in abeyance until a ruling on an appeal is obtained. If resolved in favor of the student, the withdrawal request will be processed at the time. The individual empowered to rule on the student appeal shall appropriately notify both the University Registrar and the Director of the Office of Student Rights and Responsibilities or designee of the outcome. For additional information regarding Academic Behavior Violations, see the current Golden Rule (http://www.goldenrule.sdes.ucf.edu).

Grade System

The University uses an alphabetic system to identify student grades and other actions regarding student progress or class attendance. Beginning Fall 2001, a plus/minus grading system became effective, with a grade point equivalent per semester hour as follows:

<table>
<thead>
<tr>
<th>Grade Points Per Semester Hour of Credit</th>
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<tbody>
<tr>
<td>Grades</td>
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NC - No Credit
*Available only in CHM 1032, CHM 2045C, CHS 1440, ENC 1101, ENC 1102, MAC 1105H, MAC 1105, MAC 1114, MAC 1140, MAC 2147, MAC 2233, MAC 2241, MAC 2253, MAC 2281, MAC 2281H, MAC 2311, MAC 2311H, and STA 2014C. In these classes NC replaces the use of D+, D, and D-.

Legend Action: Grade Point
I - incomplete
N - no grade reported by instructor
(followed by grade)
R - repeated course (Grade Forgiveness)
S - satisfactory (w/credit)/Satisfactory Progress
(Research, Thesis, or Dissertation)
T - (followed by grade) Subsequently repeated (no credit)
U - unsatisfactory (no credit)
W - withdrawn
WF - withdrawn failing 0.00
WH - Health Form withdrawal
WM - medical withdrawal
WP - Withdrawal passing
X - Audit (no credit)

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 will be replaced by the earned letter grade at the earliest opportunity in the term that immediately follows and prior to graduation. The “N” designator may not be assigned by the instructor.

In the event of academic dishonesty, 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.

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 grade. Then add each amount to arrive at the total number of grade points earned for that term:

<table>
<thead>
<tr>
<th>Course</th>
<th>Grade</th>
<th>Hours</th>
<th>Grade Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>#1</td>
<td>B+</td>
<td>3</td>
<td>3.25</td>
</tr>
<tr>
<td>#2</td>
<td>A-</td>
<td>3</td>
<td>3.75</td>
</tr>
<tr>
<td>#3</td>
<td>A</td>
<td>4</td>
<td>4.00</td>
</tr>
<tr>
<td>#4</td>
<td>B</td>
<td>3</td>
<td>3.00</td>
</tr>
</tbody>
</table>

Total = 9.75

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

GPA = 9.75 / 13 credit hours = 0.75 GPA

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 centering 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 through 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.”

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 necessary 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 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 (FC 155). If further verification is needed, contact the Office of Student Rights and Responsibilities (FC 142: 407-823-6960) or, for athletic events only, Academic Services for Student-Athletes, Wayne Densch Center 1, 103A; 407-823-5896.

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

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

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

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

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

Religious Observances
It is the practice of the University of Central Florida to reasonably accommodate the religious observances, practices, and beliefs of individuals in regard to admissions, class attendance, and the scheduling of examinations and work assignments. A student who desires to observe a religious holy day of his or her religious faith must notify 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.

**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.iroffice.ucf.edu/character/honorscutpoints.html 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 a "T" to indicate that the course subsequently has been repeated, or a note describing the initial attempt, and the repeat course grade will be marked with an "R." The original grade will appear on the transcript but only the repeated course grade will be calculated into the GPA;
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" or "NC" grade in the course, the attempt will count as one of the allotted Grade Forgiveness attempts, and the GPA will calculate both grades;
7. UCF does not honor Grade Forgiveness granted at other institutions unless it is part of an Associate in Arts or a specific statewide articulated Associate in Science degree transferred from a Florida Public Community College or State University. Grade forgiveness awarded within a bachelor’s degree from a Florida State System institution is not honored at UCF. UCF’s Grade Forgiveness policy may not be honored by other colleges, universities, professional schools, or national testing associations;
8. Due to the two-course limit, a student who has repeated two or more courses at a Florida 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. If a student who repeated a course at UCF before 1981 and did not use the previous forgiveness policy may repeat the course again. In this case, the lower of the previous two grades will be forgiven. This special circumstance is the only one in which a student will be allowed to repeat a course more than once;
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 Term GPA is excluded from the University. Exclusion is most serious and students are not eligible for readmission after Exclusion. An individual who has been Excluded will not be considered for readmission, and may not appeal any failure to be readmitted following Exclusion.

Earning Credit While Disqualified
A student disqualified while a freshman or sophomore who subsequently receives an AA 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; or,
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.

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 cumulative 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 denial to appeal that decision to the Admissions and Standards Committee. See ‘Right of Appeal’ below for details. Disqualified students are limited to one readmission appeal during the disqualification period.

Readmission Prior to Completion of the Required Suspension
A student who has been academically Disqualified by UCF who has not completed the academic suspension period is not eligible for readmission to the University. Students may appeal for an exception to this policy to the Admissions and Standards Committee. See ‘Right of Appeal’ below for details. Disqualified students are limited to one readmission appeal during the disqualification period and one appeal per 12-month period following the disqualification period.

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

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

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

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

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

Appeal
There is no appeal of the University’s decision not to admit or readmit a student based on past misconduct. According to the Florida Administrative Code 6C-6.001(4): “Applicants denied admission shall
be given notice of the denial within a reasonable period of time follow-
ing 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 read-
mission has thirty (30) days from the date of the denial to appeal for an exception to University policy to the Admission and Standards Committee. The appealing student must satisfy the following require-
ments 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 circum-
cstances that led to their poor academic performance or academic dismissal.
   a. The written statement should be limited in length to one type 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 circum-
cstances (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 sched-
uled 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 suc-
cess 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 docu-
mentation, 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 under-
graduate 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 con-
ssecutive 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 calcul-
lating 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.); and,
   d. Complete and submit an Academic Amnesty Agreement to the Admission and Standards Committee.
2) The UCF Admissions and Standards Committee will determine a student’s eligibility for entrance into the Academic Amnesty Program. 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 proba-
tion, 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 commit-
tee 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 cer-
tificate, 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.
Transcript Requests
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 website 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 payment 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 requests for transcripts to: Registrar’s Office, Attn: Transcripts, P. O. Box 160114, Orlando, FL 32816-6114. Requests require at least 2 business days to process. Transcripts not claimed within 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. Completed 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.

Exemptions to the repeat course fee requirement shall be based 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:

1) Medical condition or serious illness preventing completion;
2) Death of an immediate family member;
3) Involuntary call to active duty; or,
4) Other emergency circumstances or extraordinary conditions.

Special Limitation: students who withdraw or fail a class due to extenuating circumstances may be granted an exemption only once for each class.

Financial Hardship:
Should include, but not be limited to, the following:

1) Qualification for federal need-based financial aid; or,
2) Other documented financial hardship may be considered.

For details, contact the Student Accounts Office (MH 107) at 407-823-2433.

Policy for Undeclared Students
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 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.

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 of from the Registrar’s Office website at http://www.registrar.ucf.edu. Completed forms may be submitted in person to the college/school 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 18 credit hours in a field. A student may declare a minor at any point during the first term of enrollment up to but no later than the online submission of the online “Intent to Graduate Form.” Students strongly are urged to declare a minor as early as possible. Minors are optional unless required by your specific major. All graduation requirements (i.e., the minor and major) must be from a single UCF Undergraduate Catalog for which a student is eligible. Minors must be certified at the same time as the student’s baccalaureate degree. Unless a second degree is earned, certification will not be made at a later time even if additional courses have been completed. The “Undergraduate Minor Declaration/Change Form” is available at the college and school advising offices. Forms may be submitted in person to the college/school advising offices or by mail or in person to the Registrar’s Office (MH 161). Requests must include the student’s identification number and signature.

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

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

3. The right to consent to disclosures of personally identifiable information contained in the student’s education records, except to the extent that FERPA authorizes disclosure without consent. One exception that permits disclosure without consent is disclosure to school officials with legitimate educational interests. A school official is a person employed by the University in an administrative, supervisory, academic or research, or support staff position (including law enforcement unit personnel and health staff); a person or company with whom the University has contracted (such as an attorney, auditor, National Student Clearinghouse, or collection agent); a person serving on the Board of Trustees; or a 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. Directory information at UCF includes:

- name
- current mailing address
- telephone number
- date of birth
- major field of study
- dates of attendance
- enrollment status
- degrees and awards received
- participation in officially registered activities and sports
- athletes’ height and weight

The University extends to students the opportunity to withhold even directory information from disclosure, by opting out of the University’s directory information policy. Students can do this online at myUCF or complete the Directory Disclosure/Release Authorization form available at the Registrar’s Office (MH 161) or at http://www.registrar.sdes.ucf.edu, requesting that this information be withheld.

Other Disclosures:

FERPA also authorizes the University to forward educational records to other agencies or institutions that have requested the records AND in which the student seeks or intends to enroll or is already enrolled so long as the disclosure is for purposes related to the student’s enrollment or transfer.

All other disclosures of education records and information will be made in accordance with FERPA. In most cases, but not all, this requires the student’s prior written and signed consent. The Golden Rule outlines the University procedures for confidentiality. For additional information describing FERPA policy, enter the Department of Education Family Policy Compliance Office website at http://www.ed.gov/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/hecl.
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 Accelerated 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.

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Advanced Placement Language (all modern languages)

A score of 3 earns a minimum of one semester (min. 3 credits - XXX 2230 or 2200) of 2000-level language. A score of 4 or 5 earns a minimum of two semesters (min. 6 credits XXX 2230 and 2231 or XXX 2200 and 2211) of 2000-level language. No literature credit will be awarded for AP foreign language exams.

Advanced Placement Literature (all modern languages)

A score of 3 earns a minimum of one semester (min. 3 credits) of introductory literature. A score of 4 or higher earns a minimum of two semesters (min. 6 credits) of introductory literature.

Advanced Placement Latin

The AP Latin course focuses on one or two authors. Students either study Vergil, or follow a “Latin Literature” syllabus that includes Catullus and either Horace, Ovid, or Cicero. A minimum of one semester (min. 3 credits) should be awarded for a score of 3 or higher.

AP Latin: Vergil

LNW 2231

AP Latin: Latin Literature

LNW 3700

(30 hours per semester)

International Baccalaureate Program

(see table on next page)

Students who have participated in the International Baccalaureate program in high school may receive a maximum of 30 hours of credit for scores of four or higher in the subsidiary and higher level program areas. The table below labeled “International Baccalaureate” provides information related to the International Baccalaureate program credit.

ADVANCED PLACEMENT (AP)
### INTERNATIONAL BACCALAUREATE

<table>
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<th>Score 5-7</th>
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<td>MHE 1202 and 1290</td>
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<td>GEA 1200 and 1400</td>
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<td>SPN 1121 and 2230</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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<td>Algebra-Trigonometry, College</td>
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</table>
Credit is awarded for scaled scores of 50 or higher on computer-based CLEP exams taken after July 1, 2001. A percentile score of 50 or higher is required on CLEP examinations taken prior to July 1, 2001. CLEP credit may be earned by CLEP subject examinations. Successful completion of CLEP examinations means performance at or above the minimum qualifying score. CLEP credit cannot be used to reduce a grade point deficiency. For example, CLEP cannot be substituted for a grade awarded for a previously completed course. CLEP may not be used to fulfill the senior institution requirements.

Awards of CLEP credit are subject to the conditions listed below.

- Credit may be awarded in the CLEP subject examination area, provided the student: a) is not within 60 credit hours of graduation; b) has not previously received comparable college course credit in the CLEP examination area; c) has not previously completed, failed, nor received credit by UCF (transfer or otherwise) in a more advanced course in the examination area; and d) 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 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.

### CAMBRIDGE AICE EXAMS

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<td>Music (AS-Level)</td>
<td>MUH 1001</td>
<td></td>
</tr>
<tr>
<td>Music (A-Level)</td>
<td>MUH 1001 and 2011</td>
<td></td>
</tr>
<tr>
<td>Physics (AS-Level)</td>
<td>PHY 1020C</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Physics (A-Level)</td>
<td>PHY 2053C and 2054C</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Psychology (AS-Level)</td>
<td>PSY 2012</td>
<td>SOC Found 2</td>
</tr>
<tr>
<td>Psychology (A-Level)</td>
<td>PSY 2012 and PSY 1906</td>
<td>SOC Found 2</td>
</tr>
<tr>
<td>Sociology (A-Level)</td>
<td>SYG 2000</td>
<td>SOC Found 2</td>
</tr>
<tr>
<td>Spanish Language (AS-Level)</td>
<td>SPN 1121</td>
<td></td>
</tr>
<tr>
<td>Spanish Language (A-Level)</td>
<td>SPN 2230 and SPN 2231</td>
<td></td>
</tr>
<tr>
<td>Spanish Literature (AS-Level)</td>
<td>SPWL 3100</td>
<td></td>
</tr>
<tr>
<td>Thinking Skills (AS-Level)</td>
<td>PHI 1103</td>
<td></td>
</tr>
<tr>
<td>Thinking Skills (A-Level)</td>
<td>PHI 1103 and 1906</td>
<td></td>
</tr>
<tr>
<td>Travel and Tourism (AS-Level)</td>
<td>HFT 1000</td>
<td></td>
</tr>
<tr>
<td>Travel and Tourism (A-Level)</td>
<td>HFT 1000 and 1906</td>
<td></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.
CLEP Language Examinations
A score of 50 on any of the language exams earns a minimum of one semester (4 credits) of Elementary Language I or equivalent level (generally numbered 1120). A score at or above the second CLEP threshold level (currently 59 for French, 60 for German, or 63 for Spanish) earns a minimum of two semesters (8 credits) of Elementary Language I and II or equivalent level (generally numbered 1120C-1121C). No literature credit should be awarded for CLEP foreign language exams.

Credit by Examination
Regularly enrolled (excludes transient and non-degree) undergraduate students at the University of Central Florida may obtain credit for specific University courses through departmental examinations. A student who believes he or she has acquired the knowledge and/or skills of a specific University course should consult his or her advisor and the chair of the department in which the course is offered to arrange for an examination. Degree credit will be awarded for those courses successfully completed by departmental examination. Credit by examination may not be used to reduce the 30 credit hours residency requirement. Credit by examination will not be given for any course lower in content than courses in the same discipline in which students are currently enrolled or which they have already completed or failed. Permission to take an examination is approved by the chair of the department and the dean of the college in which the course is offered.

Cambridge AICE Exams (see table 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 Title</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></td>
<td>48</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 100</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>EVR 1017</td>
<td></td>
<td>46</td>
</tr>
<tr>
<td>Ethics in America</td>
<td>PHI 1630</td>
<td></td>
<td>46</td>
</tr>
<tr>
<td>Fundamentals of College Algebra</td>
<td>MAT 1033</td>
<td></td>
<td>47</td>
</tr>
<tr>
<td>Foundations of Education</td>
<td>EDF 1002</td>
<td></td>
<td>46</td>
</tr>
<tr>
<td>Fundamentals of Counseling</td>
<td>PCO 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 1400</td>
<td></td>
<td>48</td>
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<tr>
<td>Intro to Computing</td>
<td>CGS 1060</td>
<td>MAT Found 2</td>
<td>45</td>
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<tr>
<td>Intro to the Modern Middle East</td>
<td>ASH 2044</td>
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<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 2111</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 2004</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 1501</td>
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<tr>
<td>Organizational Behavior</td>
<td>INP 1002</td>
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<td>Personal Finance</td>
<td>FIN 1100</td>
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<tr>
<td>Physical Geology</td>
<td>GLY 1000</td>
<td>SCI Found 2</td>
<td>46</td>
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<tr>
<td>Principles of Finance</td>
<td>FIN 1000</td>
<td></td>
<td>46</td>
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<tr>
<td>Principles of Financial Accounting</td>
<td>ACG 1001</td>
<td></td>
<td>47</td>
</tr>
<tr>
<td>Principles of Physical Science I</td>
<td>PSC 1121</td>
<td>SCI Found 1</td>
<td>47</td>
</tr>
<tr>
<td>Principles of Public Speaking</td>
<td>SPC 1600</td>
<td>COM Found 3</td>
<td>47</td>
</tr>
<tr>
<td>Principles of Statistics</td>
<td>STA 2014</td>
<td>MAT Found 2</td>
<td>48</td>
</tr>
<tr>
<td>Principles of Supervision</td>
<td>MNA 1345</td>
<td></td>
<td>46</td>
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<tr>
<td>Rise and Fall of the Soviet Union</td>
<td>EUH 1056</td>
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<tr>
<td>Technical Writing</td>
<td>ENC 2210</td>
<td></td>
<td>46</td>
</tr>
<tr>
<td>The Civil War and Reconstruction</td>
<td>AMH 1056</td>
<td></td>
<td>47</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>
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<tbody>
<tr>
<td>Abnormal Psychology</td>
<td>CLP 1140</td>
<td>COM Found 1</td>
<td>45</td>
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<tr>
<td>English Composition</td>
<td>ENC 1101</td>
<td></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 2004</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>
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 a minimum of 120 total hours, residency will be 30 hours. For programs that exceed 120 hours, the specific residency requirement increases proportionally and is listed with the requirements for the specific degree program;
- Earn a minimum of 60 credit hours after CLEP credit has been awarded;
- Apply 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 CLAS 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 the UCF Undergraduate Catalog in effect at the time he or she began the most recent period of continuous enrollment in academic good standing at any of the Florida public institutions.

Continuous enrollment is defined as being enrolled in classes without a break of two or more consecutive regular semesters/terms (i.e., Fall and Spring, or Spring, Summer, and Fall). Continuous enrollment is automatically broken when a student moves from one transfer institution to another following academic disqualification or exclusion.

Students who change majors between different colleges must adopt the most current Catalog. Additional information is included in the program descriptions. Students pursuing a single degree (including double majors and/or minors) must use a single catalog and cannot use a combination of catalogs for graduation. In cases when required courses are no longer taught by the University, the appropriate department, college, or Academic Services (MH 210) may designate a reasonable substitute. If a student desires to change the catalog for graduation, the student should first discuss with the advisors how such a change would affect University, college, and major requirements. If a student decides to request a change, he or she must submit a "Catalog Year Change Request Form" to the Registrar's Office (MH 161). This form is available at the Registrar’s Office or online at http://www.registrar.ucf.edu.

General Education Program (GEP)

The purposes of the UCF General Education Program (GEP) are to introduce students to a broad range of human knowledge and intellectual pursuits, to equip them with the analytic and expressive skills required to engage in those pursuits, to develop their ability to think critically, and to prepare them for life-long learning. The GEP curriculum provides students with the intellectual, ethical, and aesthetic foundations necessary to make informed choices; to accept the responsibilities of working and living in a rapidly changing world; and to lead a productive and satisfying life.

Courses that fulfill the General Education Program requirements are specified, but in some cases an alternate course, in the same discipline may be substituted for GEP requirements. These alternate courses, approved by the Faculty Senate Undergraduate Common Program Oversight Committee, are listed in the section identified as “Alternate Courses: General Education Program.” Students should consult with an advisor before enrolling in an alternate course. Undergraduate students who have not completed requirements for the Associate of Arts degree and who desire to transfer to another Florida public university can have their transcripts indicate “General Education Requirements Met” upon written request, if they have completed UCF’s GEP requirements or are in the final term of completion of all their requirements.

Students pursuing a single degree (including double majors and/or minors) must use a single catalog and cannot require courses that fulfill the General Education Program requirements are proportional and is listed with the requirements for the specific degree program;

Earn a minimum of 25% of the total hours required for the degree in residence at UCF. For programs that require a minimum of 120 total hours, residency will be 30 hours. For programs that exceed 120 hours, the specific residency requirement increases proportionally and is listed with the requirements for the specific degree program;

Earn a minimum of 60 credit hours after CLEP credit has been awarded;

Apply 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 CLAS requirement;

Earn a minimum of nine credit hours during Summer terms, if applicable; and,

Be registered at UCF during the semester of graduation.

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 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 technique and/or technology.
- Be able to solve real-world quantitative problems.
- Demonstrate qualitative understanding of mathematical, statistical, and computing concepts.
- Demonstrate knowledge and understanding of essential computing concepts common to academic degrees and their related professions.
- Demonstrate essential computing skills common to academic degrees and their related professions, and in particular, skills relating to professional use of computers and application software.

Social Foundation

- Be able to gather and synthesize information from appropriate resources, and be able to evaluate information and sources for accuracy and credibility.
- Understand how an individual’s place in the world is affected by social, economic, and political institutions.
- Gain a deeper appreciation of one’s role and potential impact in social, economic, and political 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.
Undergraduate Degree Requirements

General Education Program (GEP) Courses (36 credit hours required)
(Some majors require a specific course or a higher level course in some areas. Consult your major requirements and advisor.)

Satisfactorily complete the course in each of the twelve numbered areas... 36 hours

A. Communication Foundation ................................ 9 hours
1. ENC 1101 Composition I 1, 2 ......................................... 3(3,0)
2. ENC 1102 Composition II PR: ENC 1101 1, 2 ....................... 3(3,0)
3. SPC 1608 Fundamentals of Oral Communication .................... 3(3,0)
4. SPC 1603 Fundamentals of Technical Presentation .................... 3(3,0)
5. COM 1000 Introduction to Communication ............................ 3(3,0)

B. Cultural and Historical Foundation ................................. 9 hours
1. EUH 2000 Western Civilization I 2 ..................................... 3(3,0)
2. EUH 2001 Western Civilization II 2 ..................................... 3(3,0)
3. HUM 2210 Humanistic Tradition I 2 ................................... 3(3,0)
4. HUM 2230 Humanistic Tradition II 2 ................................... 3(3,0)
5. AMH 1010 U.S. History: 1492-1877 2 .................................... 3(3,0)
6. AMH 1020 U.S. History: 1877-present 2 .................................. 3(3,0)
7. WOH 2012 World Civilization I 2 ....................................... 3(3,0)
8. WOH 2022 World Civilization II 2 ....................................... 3(3,0)

2. AP/HON 2501 History of Western Art I ............................... 3(3,0)
3. AP/HON 2502 History of Western Art II ............................... 3(3,0)
4. MUL 2010 Enjoyment of Music .......................................... 3(3,0)
5. THE 2000 Theatre Survey .................................................. 3(3,0)
6. FIL 1000 Cinema Survey .................................................... 3(3,0)
7. REL 2100 World Religions .................................................. 3(3,0)
8. Phi 2010 Introduction to Philosophy ..................................... 3(3,0)
9. LIT 2110 World Literature I PR: ENC 1102 2 ......................... 3(3,0)
10. LIT 2120 World Literature II PR: ENC 1102 2 ......................... 3(3,0)

C. Mathematical Foundation ............................................. 6 hours
1. MAC 1105 College Algebra 2................................................... 3(3,0)
2. MAC 1106 Finite Mathematics 2 ............................................. 3(3,0)
3. CGS 1060C Introduction to Computer Science 2 ....................... 3(3,0)
4. STA 2014C Principles of Statistics 2 ..................................... 3(3,0)

D. Social Foundation ...................................................... 6 hours
1. ECO 2013 Principles of Macroeconomics ................................ 3(3,0)
2. ECO 2023 Principles of Microeconomics ............................... 3(3,0)
3. POS 2041 American National Government .............................. 3(3,0)
4. PSY 2012 Introduction to Psychological Science ....................... 3(3,0)
5. SYG 2000 Introduction to Sociology ..................................... 3(3,0)
6. ANT 2000 General Anthropology .......................................... 3(3,0)

E. Science Foundation ................................................... 6 hours
1. AST 2002 Astronomy ......................................................... 3(3,0)
2. PSC 1121* Physical Science PR: MAC 1105 or MGF 1106 .............. 3(3,0)
3. PHY 2053C College Physics I: MAC 1105 and MAC 1114 .............. 4(3,3)
4. CHM 1200 Concepts in Chemistry PR: High School Algebra ......... 3(3,0)
5. BSC 1005* Biological Principles .............................. 3(3,0)
6. PHY 1103* Physics & Its Applications ................................. 3(3,0)
7. GLY 1030 Geology & Its Applications .................................. 3(3,0)
8. ANT 2511 The Human Species ............................................. 3(3,0)
9. MCB 1310 Intro to Biotechnology and Genetic Engineering .......... 3(3,0)

*A one credit laboratory is also available for this course.
1A grade of “C-” (1.75) or better is required in this course.
2A grade of “C-” (1.75) or better satisfies three hours of the Gordon Rule requirement.

Other Courses: General Education Program

Courses that may be taken in substitution for the stated GEP requirements are listed below:

GEP Requirement Acceptable Substitutions
MAC 1105 (College Algebra) 2 MAC 1114, MAC 1140, MAC 2233, MAC 2253, MAC 2311, MAC 2312, MAC 2313
MGF 1106 (Finite Mathematics) MGF 1107
PHY 2053C (Physics) PHY 2048, PHY 2049, PHY 2054C, PHY 2014C, PHY 2015C
CHM 1020 (Chemistry) CHM 2045C, CHM 1022, CHM 2044C
CGS 1060C CGS 2100C, COP 2500C, COP 3502C, COP 3510C
STA 2014C (Statistics) STA 2023, STA 3032
THE 2000 (Theatre) THE 2020
MUL 2010 (Enjoyment of Music) MUL 2017, MUH 2019, MUH 3212, MUL 2016, MUL 2720

For all of the acceptable substitutions in this GEP requirement, a grade of “C-” (1.75) or better satisfies three hours of the Gordon Rule requirement.

Diversity Requirement

The University recognizes that communities are comprised of, and enriched by, people of diverse backgrounds. The study of diversity is encouraged to promote an understanding of the needs of individuals, the University, and society. Thus, all students completing their first bachelor’s degree from UCF must complete at least one course that explores the diverse backgrounds and characteristics found among humans, including: race/ethnicity, gender, social class/caste, religion, age, sexual orientation, and level of physical ability.

Students are exempt from this requirement if they have completed an Associate of Arts degree or the General Education Program at a Florida public state university or community college. Students who have previously completed a baccalaureate degree also are exempt.

The requirement is satisfied by the successful completion of a diversity course selected from the following list. Additional courses may be approved subsequently by the Common Program Oversight Committee, so students should consult their departmental advisor for the most current listing.

Education Courses:
ENC 1102 Composition II
SPC 1608 Fundamentals of Oral Communication
SYG 2000 General Sociology
ANT 2000 General Anthropology
POS 2041 American National Government
PSY 2012 General Psychology
WOH 2022 World Civilization II
LIT 2120 World Literature II

Other Courses:
AMH 3422 Frontier Florida
AMH 3425 Sunbelt Florida
AMH 3652 Women in American History II
The Testing Administrator of the University Testing Center will administer the tests. Students who have previously received a baccalaureate degree from a college, school, or program for a specific degree (see individual degree program listings for more information) are exempt from this requirement. Native speakers or students who have completed appropriate coursework in a foreign language will be considered to place the student in the first semester of the third year.

Placement in Language Courses

- Placement in foreign language courses is based on one year of high school language being equivalent to one semester of college work. For example, four years of one high school foreign language place the student in the first semester of the third year.
- Native speakers or students who have completed appropriate advanced foreign language education abroad will be considered to have satisfied the requirement.

Several departments, colleges, and schools have additional requirements. See “Special College and/or Departmental Requirements” within each listing.

1. This requirement is for proficiency and not a requirement for a particular number of hours of course work. For example, successful completion of only SPN 1121C (Elementary Spanish Language and Civilization I) 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:

GEP Courses Which Satisfy: 1. Six hours of mathematics at the level of college algebra or higher 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.

2. Six hours of English coursework and six hours of additional writing (2) Specifically identified courses and college level writing to the following list:

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 U.S. History: 1492-1877
AMH 2020 U.S. History: 1877-Present
EUH 2000 Western Civilization I
EUH 2001 Western Civilization II
HUM 2210 Humanistic Tradition I
HUM 2230 Humanistic Tradition II
WOH 2012 World Civilization I
WOH 2022 World Civilization II
Non-Gen Ed courses that also apply to the Gordon Rule Writing Requirement:

AMH 2010H Honors U.S. History: 1492 - 1877
AMH 3402 History of the South to 1865
AMH 3463 History of the South Since 1865
AMH 3441 History of the Frontier: Eastern America
AMH 3442 History of the Frontier: Western America
AMH 3541 U. S. Military History To 1900
AMH 3561 Women in American History I
AMH 3571 Black American History I
AMH 3800 Canadian History
AMH 4110 Colonial America, 1607-1763
AMH 4130 The Age of the American Revolution, 1763-1789
AMH 4160 Jacksonian America
AMH 4201 The Gilded Age and Progressivism
AMH 4270 United States History: 1939-1960
AML 3031 American Literature I
AML 3041 American Literature II
AML 3283 Contemporary American Women’s Fiction
AML 3286 Early American Women’s Words
AML 3514 Topics in African-American Literature
Undergraduate Degree Requirements

AFL 3615  Harlem, Haiti, and Havana
AFL 3643  Contemporary American Prose and Poetry
AFL 3682  Ethnic Literature in America
AFL 3682H  Honors Ethnic Literature in America
AFL 4101  American Novel
AFL 4153  American Poetry at Mid-Century
AFL 4155  Modern American Poetry
AFL 4261  Literature of the South
AFL 4265  Florida Writers
AFL 4300  Major American Authors
AFL 4304  Whitman and His Heirs
AFL 4321  Modern American Literature
AFL 4630  Latino/Latina Literature
ANT 3163  Mesoamerican Archaeology
AR 4450  20th Century Art
ART 4000  Theory and Criticism of the Visual Arts
EAS 4700C  Aerospace Design I
EGN 4412C  Interdisciplinary Design I
EML 4501C  Engineering Design I
ENC 1101H  Honors Freshman Composition I
ENC 1102H  Honors Freshman Composition II
ENC 3241  Writing for the Technical Professional
ENC 3241H  Honors Writing for the Technical Professional
ENC 3250  Professional Writing
ENC 3310  Magazine Writing I
ENC 3311  Advanced Expository Writing
ENC 4215  Technical Publication and Project Management
ENC 4218  The Visual in Technical Documentation
ENC 4262  International Technical Communication
ENC 4265  Writing for the Computer Industry
ENC 4280  Technical Writing Style
ENC 4293  Usability Testing for Technical Communication
ENC 4294  Documentation and the Collaborative Process
ENC 4313  Research Writing
ENC 4360  Nature Writing
ENC 4414  Writing and Hypertext
ENG 3010  Practical Criticism
ENG 3014  Theories and Techniques of Literature Study
ENG 3073  Cultural Studies Literature
ENG 4114  Literature and Film
ENG 4614  Discourse of Global Culture Studies
ENL 2012  English Literature I
ENL 2022  English Literature II
ENL 4101  English Novel
ENL 4220  English Renaissance Poetry and Prose
ENL 4230  18th Century Studies
ENL 4240  English Romantic Writers
ENL 4253  The Victorian Age: Poetry
ENL 4262  Nineteenth Century British Prose
ENL 4303  British Authors
ENL 4311  Creative Writing
ENL 4333  Shakespeare Studies
EEH 2000H  Honors Western Civilization I
EEH 3122  Medieval Society and Civilization
EEH 3142  Renaissance and Reformation
EEH 3242  Modern Europe and the First World War
EEH 3281  Second World War and Rebirth of Europe
EEH 3451  History of Modern France
EEH 4284  Fascism and the Totalitarian Dictatorships
EEH 4465  Hitler's Third Reich
EEH 4500  English History to 1485
EEH 4501  English History: 1485-1815
EEH 4502  British History: 1815-Present
EEH 4571  History of Russia to 1801
EEH 4574  History of Russia: 1801-1917
EEH 4576  History of Russia in the 20th Century
EEH 4620  European Great Powers: 1815-1914
HIS 4150  History and Historians
HUM 2210H  Honors Humanistic Tradition I
HUM 3320  Continental Multicultural Studies
HUM 3394  Representations of Place and Space
HUM 3401  Asian Humanities
HUM 3431  Ancient Humanities
HUM 3460  Latin American Humanities
HUM 3553  Moses, Jesus and Muhammad
JOU 2100C  News Reporting
JOU 3101  Advanced Reporting
JOU 4181  Public Affairs Reporting
JOU 4300  Feature Writing
JOU 4306C  Critical Writing
JOU 4308  Freelance Writing
LIL 3400  Latin American History II
LIL 3400  History of Mexico and Central America
LIL 3470  History of the Caribbean

LIT 3082  Continental European Fiction Since 1900
LIT 3192  Caribbean Literature
LIT 3192H  Honors Caribbean Literature
LIT 3313  Science Fiction Literature
LIT 3313H  Honors Science Fiction Literature
LIT 3381  Women Writers of Color
LIT 3383  Women in Literature
LIT 3383H  Honors Women in Literature
LIT 3394  Literature of AIDS
LIT 3394H  Honors Literature of AIDS
LIT 3462  Literature and Popular Culture
LIT 3823  Hispanic Women Writers
LIT 4043  Modern Drama as Literature
LIT 4244  World Authors
LIT 4303  Post-World War II Fiction
LIT 4374  Literature of the Bible
LIT 4374H  Honors Literature of the Bible
LIT 4433  Literature of Science and Technology
LIT 4554  Advanced Feminist Theories
PA D 3733  Professional Administrative Writing in the Public Sector
PA D 4034  The Administration of Public Policy
PHH 3100  Ancient Philosophy
PHH 3200  Medieval Philosophy
PHH 3460  Modern Western Philosophy
PHH 3700  American Philosophy
PHH 3803  Research Methods in Philosophy
PHH 3841  Minds and Machines: Philosophy of Cognitive Science
PHH 3851  Philosophy of Psychology
PHH 3870  Ethical Theory
PHH 3880  Aesthetics
PHH 3895  Contemporary Aesthetics
PHH 4221  Philosophy of Language
PHH 4321  Philosophies of Embodiment: Mind/Body/Self
PHH 4500  Metaphysics
PHH 4904  Critical Theory
PHH 4931  Philosophy in the News
PHM 3401  Philosophy of Law
PHM 3472  Phenomenology
TH 3155  Legal Writing
TH 4035  Casebook: Legal Issues
REL 3131  Religion in America
REL 3432  Roots of Western Mysticism
RTL 4403  Electronic Media, Technology, and Society
TH E 2081C  Introduction to UCF Theatre
TH E 2304  Script Analysis
TPP 3310C  Directing for Theatre I
TPP 4940L  Theatre Internship
WOH 2012H  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 coursework 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 quantititative 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
Undergraduate Degree Requirements

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. The CLAS requirement; 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 Program. Graduating students must be enrolled at UCF during the term of graduation. Graduates may contact the Registrar’s Office for Commencement ceremony and guest ticket information or refer to http://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 enroll any time during the year.

In 1996, the State revised the General Provisions Rule 64-4.002, at the Bureau of Teacher Certification for the State of Florida. Any teacher in the state now can use credit correspondence courses, as appropriate, to apply toward the recertification of the teaching license. Moreover, there is no limit to the number of courses that may fulfill the requirements.

The current Catalog details enrollment procedures, fees, and course information. A copy may be obtained at no cost by calling or writing to: University of Florida, Independent Study, Suite D, 2209 NW 13th St., Gainesville, FL 32609; 352-392-1711, Ext 200, E-mail: learn@nervm.nerc.ufl.edu. Website: http://www.doce.ufl.edu.

Double Majors
A student may earn one degree, a BA or BS, with two majors, by completing the requirements for both majors. 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.

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.

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. 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).
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 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 the College Level Academic Skills requirement.

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 Design, Bachelor of Engineering Technology, Bachelor of Fine Arts, Bachelor of Music, 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, Latin American Studies, Modern Language Combination, Music, Philosophy, Religious Studies, Spanish, 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, 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.)
Majors:

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.P.E.), Computer Science (B.S.), Construction Engineering (B.S.Con.E.), Electrical Engineering (B.S.E.E.), Environmental Engineering (B.S.Env.E.), Industrial Engineering (B.S.I.E.), Information Technology (B.S.), Mechanical Engineering (B.S.M.E.)

College of Health and Public Affairs
Bachelor of Arts (B.A.)
Majors:
- Communication Sciences and Disorders, Criminal Justice, Legal Studies, Public Administration
- Bachelor of Science (B.S.)
  Majors:
  - Athletic Training, Communication Sciences and Disorders, Criminal Justice, Health Informatics and Information Management, Health Sciences, Health Services Administration, Legal Studies, Public Administration
- Bachelor of Social Work (B.S.W.)
  Major: Social Work

College of Medicine
Burnett School of Biomedical Sciences
Bachelor of Science (B.S.)
Majors:
- Biomedical Sciences, Biotechnology, Medical Laboratory Sciences

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

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

Rosen College of Hospitality Management
Bachelor of Science (B.S.)
Majors:
- 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>
</thead>
<tbody>
<tr>
<td>College of Medicine Burnett School of Biomedical Sciences</td>
<td>Biomedical Sciences</td>
</tr>
</tbody>
</table>

### College Awarding Minor

<table>
<thead>
<tr>
<th>Name of Minor</th>
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</thead>
<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/](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, Meditation Garden, 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 state or 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>Honor</th>
<th>Lower-division</th>
<th>Upper-division Major</th>
</tr>
</thead>
<tbody>
<tr>
<td>IDH 1920H</td>
<td>4 courses</td>
<td>See requirements by College³</td>
</tr>
</tbody>
</table>

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, College of Nursing, College of Health and Public Affairs, Medical Laboratory Sciences, Information Technology, Economics (B.A.) and Interdisciplinary Studies majors

1. Complete one Honors Interdisciplinary Seminar³
2. Complete two Honors upper-division courses or Interdisciplinary Seminars³

### 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
   - BUL 3130H Legal and Ethical Envir’t of Business
   - GEB 3368H 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 Engineering and Computer Science (Excluding Computer Science and Information Technology majors)

1. Complete one Honors Interdisciplinary Seminar³
2. Complete two Honors upper-division Engineering courses
   - STA 3023H Probability and Statistics for Engineers
   - EGN 3310H Engineering Analysis-Statistics
   - EGN 3321H Engineering Analysis-Dynamics
   - EGN 3373H Principles of Electrical Engineering
   - EEL 4818H Machine Learning I
   - EEL 4817H Machine Learning II

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

### University Honors Upper-Division Program Requirements: Computer Science majors

1. Complete one Honors Interdisciplinary Seminar³
2. Complete two Honors upper-division Computer Science courses
   - COP 3223H C Programming
   - COP 3502H Computer Science I
   - COP 3503H Computer Science II
   - COT 3100H Introduction to Discrete Structures
   - ENC 3241H Writing for the Technical Professional

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

### University Honors Upper-Division Program Requirements: College of Medicine (excluding Medical Laboratory Sciences majors)

1. Complete one Honors Interdisciplinary Seminar³
2. Complete two of the following Honors upper-division courses
   - BSC 3403H Quantitative Biological Methods
   - MCB 3020H Microbiology
   - ZOO 3733H Human Anatomy
   - PCB 3703H Human Physiology
   - PCB 3733H Molecular Biology II
   - ZOO 4704H Clinical Neuroanatomy

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

¹ ENC 1101 and ENC 1102 must be taken in Honors sections if the student does not have alternative credit for them at the time he/she is admitted in to the University Honors Program. Extra Upper Division course(s) can substitute for Lower Division courses.

² Honors Symposium is a mandatory two credit hour course offered for freshmen in the Fall semester of each year. This course includes guest lectures and discussions. Freshman Honors Symposium also includes a Service Learning component.

³ An Honors Interdisciplinary Seminar normally is an upper-division offering intended for all majors. Many seminars are team-taught, and present cutting-edge topics. Enrollments are limited to 20 students.

For more information about Honors requirements and advising, visit http://ooha.honors.ucf.edu

Acceptable Waivers

Please see The Burnett Honors College website at http://www.honors.ucf.edu for a listing of acceptable waivers Students should obtain waivers from the Office of Honors Advising (BHC 109) prior to their participation in the listed programs. 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.

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 published through the University library. 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 graded upper-division hours at the University of Central Florida; at least a 3.5 GPA within the major and at least a 3.2 GPA in all upper-division courses regardless of institution. Students 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 two committee members must be 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
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 107 or by phone at 407-823-6402.

Office of Prestigious Awards
The Office of Prestigious Awards (OPA) provides all UCF students with information and advising for major national and international fellowships and scholarships. OPA serves as the UCF campus representative for all awards requiring university endorsement or nomination, including the Rhodes, Marshall, Jack Kent Cooke, Truman, and Goldwater scholarships. While OPA is housed within The Burnett Honors College, it serves the entire UCF community.

OPA works closely with students throughout all stages of their application process. Because of the competitive nature of these awards preparation is both intensive and extensive, and can begin as early as a student’s freshman year. Students who are applying for a prestigious scholarship or fellowship are encouraged to contact the OPA for assistance with their applications, even if the award does not require institutional endorsement. Students seeking more information should contact OPA by phone at 407-823-4019, visit BHC 103 or http://www.opa.honors.ucf.edu.
College of Arts and Humanities

Dean: Jose Fernandez
CAH 190; 407-823-2251
http://www.cah.ucf.edu

Associate Dean: Lyman Brodie
CAH 190; 407-823-2251

Associate 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, Theatre, and Writing & Rhetoric. The College also houses programs in American Studies, Asian Studies, Judaic Studies, Latin American Studies, Caribbean and Latin/o/a Studies, Women’s Studies, and Middle Eastern Studies. The college also oversees the School of Visual Arts and Design, which offers 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 201; 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 assistance in the College of Arts and Humanities. CAHSA assists students in the College with orientation, registration, graduation certification and with the interpretation of College/University policies and procedures. Questions concerning University and College academic policies affecting College of Arts and Humanities majors should be directed to the CAHSA staff in CNH 201 or by calling 407-823-3312. 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: TBA; 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 Maunez-Cuadra; 407-823-1173
Middle Eastern Studies - Contact: Hakan Ozoglu; 407-823-2225

International Study Centers

Undergraduate Inter-institutional Transient Program
The State University System operates study centers in London, England and Florence, Italy during the Fall and Spring semesters. Students with 27 or more credit hours of credit and a minimum GPA of 2.5 or above in all state universities are eligible to apply for one or both semesters as inter-institutional transient students. Faculty at the centers are drawn from the nine state universities. While credits are earned through Florida State University, which administers the program on behalf of the State University System, credits are fully transferable within the System. Students at the Centers are considered to be resident in their home institutions for attendance and degree purposes.

Classes at the Florence Center emphasize art history, Italian, social sciences, and the humanities; at the London Center, theatre, business, English, history and the social sciences are emphasized. Field trips and museum visits are common to both. For further information, consult the Office of International Studies at 407-882-2300.

Programs, Tracks, and Degrees

Title                      Degree
African-American Studies    Minor
American Studies            Minor
Architecture                BA
As                        BA, BFA, Minor, MFA
Asian Studies              Minor
Cinema Studies (Film)      BA, Minor
Community Arts - PAVE      Minor
Dance                      Minor
Digital Media              BA, MA, Certificate, Minor
English                    BA, MA, Minor, MFA, Ph.D., Certificate
Film                       BFA, MFA
Modern Language Combination BA
French                     BA, Minor
German                     Minor
History                    BA, MA, Accelerated MA, Minor
Humanities                 BA, Minor
Italian                    Minor
Jazz Studies               Certificate
Judaic Studies             Certificate, Minor
Latin American Studies     BA, Minor
Middle Eastern Studies     Minor
Music                      BA, BM, MA, Minor
Music Education            BME
Performing Arts Administration Minor
Philosophy                 BA, Minor
Religious Studies          BA, Minor
Spanish                    BA, MA, Minor
Teaching English as a Foreign Language (TEFL) Certificate
Teaching ENS               MA
Theatre                    BA, BFA, MA, MFA, Minors in Dance, Theatre
Translation and Interpretation Certificate
Women’s Studies            Minor, Certificate
Writing and Rhetoric       Minor, Certificate

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: Janki Maraj
VAB 117; 407-823-3145

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: Patrick Murphy
CNH 405; 407-823-1159
E-mail: english@ucf.edu
http://www.english.cah.ucf.edu

Faculty: Angley, Applen, Bartkevicius, Campbell, Casmier-Paz, Cato, Dombrowski, Flamia, Grajeda, Hasanat, Hepner, Hohenleitner, Hubbard, A. Jones, D. Jones, Kamrath, Kesler, Lillios, Logan, Mauer, Meghen, Moody, Morton, Murphy, Neal, Oliver, Pugh, Rodriguez, Milanes, Roney, Rushin, Saper, Schell, Seidel, Spraker, Stap, Telep, Thaxton, Trouard, Young; Professors Emeriti: Adicks, Barnes, Omans, Schiffhorst

The Department of English is responsible for the effective teaching of language and literature in English, including World Literature, Linguistics, rhetoric, and creative, expository, and technical writing. Students may concentrate in creative writing, technical communication, or literature. The Department serves the broad needs of the University with course offerings in writing and literature for students from other departments. The department has a Technical Documentation Writing Lab and also publishes The Florida Review, The Cypress Dome, and The Faulkner Journal. An Honors in English program provides an enriched course of study for exceptional students, leading to graduation with honors. Program description follows concentration degree plans.

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

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, Ingle, Jones, Major, 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 website. Because this is a limited access program, students should pay close attention to the program admission requirements and check with the Department or website 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

Faculty: Adams, Beiler, Cassanello, Clark, Crepeau, Dandrow, Darty, Farless, Fernandez, Foster, Gannon, Gordon, Head, Herthly, Kallina, Larson, Lester, Long, Lyons, Martinez-Fernandez, O’Toole, Ozoglu, Pineda, Sacher, Solonari, W., Ser, Walker, White, Zhang; Faculty Emeriti: Colbourn, Leckie-Reed, Pauley, Shofner

History is the study of the past. Its objective is to understand the past, and through the past, to understand the present. The discipline of history is more than 2,500 years old and remains a vital body of knowledge in the 21st century.

Students who are interested in becoming a lawyer should seriously consider a major in history as a foundation for law school. Law is a historical phenomenon and part of the political, social, and economic processes that have contributed to the success of the United States. An understanding of history lends great insight to the function of, and motives behind, the legal system. In addition, a careful study of history will enable the student to become effective in oral and written communication, while developing intellectual skills in critical thought and analysis, both of which are invaluable to the study of law.

The Department participates in the programs in Women’s Studies, American Studies, 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, Pelli

The Interdisciplinary Program in Judaic Studies offers both a Minor and a Certificate. The program offers instruction, conducts research, and disseminates knowledge in the civilization of the Jewish people from Biblical times to the present day in the major dimensions of its creativity: literature, language, religion, philosophy, law, and social, political and economic organization. Because the roots of western culture and civilization and major world religions lie in ancient Jewish thought and practice as manifested in the Hebrew Bible and subsequent writings, Judaic Studies form an essential component of the university’s curricula.

The program enables students to acquire a foundation of knowledge of Jewish history, the Hebrew language, Jewish philosophy, culture, religious beliefs, and political aspirations; and to understand the contribution of Judaism to western civilization. The courses highlight major aspects of Jewish civilization, focusing on its interaction with other cultures and on the bodies of human knowledge upon which it draws. The program is designed to serve students pursuing careers in general or
Jewish education, in communal works and Middle-Eastern affairs, in languages, humanities, or liberal arts, in the ministry or rabbinate, and in the community at large.

**Degrees**: None  
**Tracks**: None  
**Minors**: Judaic Studies, 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.ladc.s.cah.ucf.edu

The Latin American 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**: Latin American Studies (BA)  
**Tracks**: None  
**Minors**: Latin American Studies

**Middle Eastern Studies: Program**  
**Program Director**: Husain Kassim  
CNH 411J; 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 and social forces shaping the region. Course work will include classes from the curricula of participating programs (modern languages, history, humanities, Judaic studies, philosophy and political science).

**Degrees**: None  
**Tracks**: None  
**Minors**: Middle Eastern Studies

**Department of Modern Languages and Literatures**  
**Chair**: Paul Giordano  
CNH 523; 407-823-2472  
E-mail: foreignlanguages@ucf.edu  
http://www.mll.cah.ucf.edu

**Faculty**: Barone, Bougeois-Serrano, Cordeiro-Rosa, Fabery, Farcam, Fernandez, Folse, Garcia, Giordano, Gonzalez, Joo, Korosy, Lelicee, Lopez, Ludwig, Mazzuchelli, Mihai, Montalvo, Nalbone, Negy, Pomeleau, Prucha, Purmensky, Redmon, Spina, Stebbins, Tartt, Thompson, Trinquet, Velez-Soto, Villanueva-Ghefla, Vitanova; Professor Emeriti: Barsch, Del-Rio, Micarelli

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, TEFL (certificate)

**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

**Faculty**: Allen, Almeida, Anderson, Boukobra, Brodie, Brunner, Danielson, Garcia, Gay, Holcomb, Hunt, Koons, Marosi, Moore, Pherigo, Pickering, Potter, Rupert, Scharren, Stephenson, Thornton, Warfield, Weremchuk, Yonetani; Part-Time Faculty: Bagley, Hawkins, Hill, Hsu, Randall, Robertson, Titus; Faculty Emeriti: Whisler, Wolf

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 Pi 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, Performing Arts Administration

**Department of Philosophy**  
**Chair**: Bruce Janz  
PSY 220; 407-823-4416  
E-mail: philosophy@ucf.edu  
http://www.philosophy.cah.ucf.edu

**Faculty**: Brennanman, Cash, Compson, Coverston, DiBernardo, Evans, Fiore, Gallagher, Hawkins, Janz, Jones, Kassim, Mundale, Park, Schip-pert, 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; 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**: Alnutt, Boyd, Brotherton, Brown, Chicurel, Harris, Helsinger, Huaxiang, Ingram, Lartonoix, Lee, Listengarten, McDonald, Niess, Perry, Rusnook, Scott, Seay, Shafer, Siegfried, Smith, St. Claire, Tollefson, Weaver, Wood, Wootton; 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

Department of Writing and Rhetoric  
Chair: David L. Wallace  
CNH 307; 407-823-0576  
E-mail: writingandrhetoric@mail.ucf.edu  
http://writingandrhetoric.cah.ucf.edu  

Faculty: Barnickel, Bell, Bibeau, Bowdon, Brain, Brodkin, Bryan, Cavanagh, Curtis, Ethridge, Frongillo, Gomrad, Hepner, Holic, Ives, King, Kyle, Launier, Marinara, Martin, Mohrenne, Murray, Owens, Richardson, Ringfield, Rodriguez-Milanes, Saper, Schell, Schutz, Scott, Slack, Tripp, Utitch, Wallace, Wardle, Weaver, Young  
The Department of Writing and Rhetoric oversees the First-Year Composition Program and offers certificate and degree programs for the focused study of writing and rhetoric, including professional and public writing, the teaching of writing, and the history and theory of rhetoric, composition, and literacy. Courses in our two undergraduate and two graduate programs emphasize, in particular, writing as civic engagement and writing with technologies. The department’s primary mission is to promote sustained writing opportunities across the university, the foundation for which we provide in first-year composition but which we also achieve through the efforts of the University Writing Center and “Knights Write” Writing across the Curriculum Program. The department celebrates student writing in Stylus, a journal for first-year writing, and the annual Knights Write Showcase.

Degrees: Rhetoric and Composition (MA)  
Tracks: None  
Minors: Writing and Rhetoric, Public and Professional Writing (certificate), Professional Writing (Graduate certificate)
College of Business Administration

Interim Dean: Foard F. Jones
BA 230; 407-823-2181
http://web.bus.ucf.edu

Associate Dean: E. Taylor Ellis
BA 2 101-W; 407-823-2187
Interim Associate Dean: TBA
BA 307

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

BE 2020

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 2020 (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.

Today the BE 2020 degree program is a continuing refinement of the curriculum based on the ever changing needs of business. 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 II
- FIN 3403 Business Finance
- MAN 3025 Management of Organizations
- MAR 3203 Supply Chain Management
- MAR 3203 Marketing
- MAN 4720 Strategic Management

Grade Point Average Requirements

For graduation the student must have maintained a minimum 2.0 Grade Point Average in course work required in the College of Business Administration and a minimum 2.0 GPA in the course work required in the major, and a UCF minimum GPA of 2.0. In addition, all majors within the College of Business Administration also require a grade of “C” (2.0) or better in each course and prerequisite within the major.

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 17 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:
   - ACG 2021 (or ACG 2001 and ACG 2011), ACG 2071, ECO 2013, ECO 2023, MAC 2233, STA 2023, (or QMB 2100) and CGS 2100. At UCF, students who have completed MAC 2233 and STA 2023 will be waived from ECO 3401 Business Quantitative Tools I. Students who have completed either MAC 2233 or STA 2023, but not both, must take ECO 3401. Completion of these courses 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 transfer into the program.

3. Florida Public Community College students are advised to complete the Associate of Arts Degree including:
   - The general education requirements, including Gordon Rule and CLAS requirements;
   - All of the common program prerequisite courses.
   - 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.
   - 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.
   - 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 2 101; 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 BA II 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     MBA, Ph.D.
Economics                   BA, BSBA, MS, Ph.D.
Finance                     BSBA
General Business 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: Sean Robb
BA 437; 407-823-2871

Assistant to Director: M. Hampton
BA 438; 407-823-5678

Faculty: Allen, Arnold, Benfors, Bobek, Desai, Durham, Dwyer, Goldwater, Hampton, Hornik, Judd, Kelliher, Klintworth, Lako, Robb, Roberts, Roush, Smith, Sutton, Trompeter, Veit, 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.)

Minor: Accounting

Department of Economics

Chair: TBA
BA 305-D; 407-823-3266;
E-mail: economics@bus.ucf.edu

Faculty: Braun, Buhagiar, Butterfield, Caputo, Dickie, Euzen, Gerking, Gibbs, Harrison, Hoffer, Martin, McHone, Milton, Moore, Pennington, Potter, Rutstrum, Scrogin, Soskin, Underwood, White, Yang

Faculty Advisors:
Michael Caputo
BA 302Q; 407-823-1405
E-mail: mcaputo@bus.ucf.edu

D. Scrogin
BA 302U, 407-823-4129

N. Underwood
BA 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
few 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, Economic Policy

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**Department of Finance**

**Chair:** A. Byrd

**BA 409; 407-823-3575**

**Faculty:** Ajayi, Anderson, Borde, Botts, Byrd, Chen, Choi, Cucio, 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

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**General Business**

**Faculty Advisor:** S. Goodman

**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

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**Department of Management**

**Chair:** Steven Goodman

**BA 335; 407-823-2679**

**Faculty:** Ambrose, Becker, Blencke, Boettcher, Cleavenger, Connell, Folger, C. Ford, R. Ford, Harris, Holland, Keon, McDonald, Migenes, Nichols, O’Neal, Putchinski La, Putchinski, L. Quinn, Rockmore, Schminke, Tzabbir, Viggiaro

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 excellent opportunities that 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 player, 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

**Minor:**
- Entrepreneurship

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**Department of Marketing**

**Chair:** R. Michaels

**BA 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 interview 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 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/](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](http://www.oeas.ucf.edu/alc/alc_students_cba.htm)
College of Education

Dean: Sandra L. Robinson
ED 308; 407-823-5529
http://education.ucf.edu

Executive Associate Dean: Jennifer C. Platt
407-823-2046
Associate Dean: Rex Culp
407-823-3906

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, exceptional education, technical education and industry training, and sport and exercise science 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.

- Art Education
- Early Childhood Development and Education
- Elementary Education
- English Language Arts Education
- Exceptional Student Education
- Foreign Language Education
- Mathematics Education
- Science Education
- Social Science Education
- Sport and Exercise Science
- Technical Education and Industry Training

Success to Significance

- America’s 100 Best Colleges of Education
- Invited to join the Carnegie Corporation of New York – Teachers for a New Era
- State and National Accreditation
- Proven and promising practices
- Partnerships with twelve 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 Teacher Recruitment and Retention Program
- Consortium for Social Responsibility and Character in Education
- Early and continuous field experiences
- Internships with highly effective teachers
- Infusion of multicultural education, ESOL and technology throughout classes
- Florida Marriage and Family Research Institute
- 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)
College of Education

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 Development and 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 Academic Advising Center (ED 115) 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 Academic Advising Center, 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. 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 Teacher Recruitment and Retention Program (MTRRP), 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/clinicalexperiences/

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 criminal records may prevent placement in internship and/or employment in districts. Each school district follows state guidelines for fingerprinting and some districts have additional requirements.

All applications for internships are accessed at the Clinical Experiences website and are approved by the Office of Clinical Experiences. Once applications are approved by the Office of Clinical Experiences, students must register themselves for the internship course and prerequisite (if applicable).

Application deadlines for all Internships are:
February 15 for Fall semester
September 15 for Spring semester

Internship I

Internship I is a three semester hour experience. Students are assigned to work with 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.
- 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. 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 and specialization areas. (A minimum of 2.75 GPA is required for Early Childhood Education majors.)
Complete a formal application for Internship II by the published deadline
Be recommended by the faculty of the department of the student’s major
Meet any special departmental or program requirements

Some programs require that all methods and specialization courses shall be completed prior to Internship II. Students must also be approved for admission by the faculty in the department of the student’s major. The Internship II experience is completed locally and is arranged by the Office of Clinical Experiences.

*Some programs may specify a different GPA requirement for admission

Minority Teacher Recruitment and Retention Program (MTRRP)
Caroline Marrett
ED 110; 407-823-4409
http://education.ucf.edu/mtrrp/

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

Program Objectives
- Recruit and retain diverse students interested in careers in teaching
- Promote academic excellence and foster professional development
- Provide service learning opportunities
- 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

Graduation Requirements
To qualify for graduation, a student must successfully complete all coursework to include a minimum overall GPA of 2.5 (2.75 for Early Childhood Development and Education majors), a minimum 2.5 GPA in all specialization courses, and a minimum 2.5 GPA in professional preparation courses. In addition, students in state-approved initial teacher preparation programs must pass all applicable sections of the Florida Teacher Certification Exam (FTCE) and complete a portfolio according to program guidelines.

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 master’s 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.
Academic Advising Center
Director: Sandra L. Bulger
ED 115; 407-823-0043
Coordinator Academic Advising Services II: Jorri Bright
ED 115; 407-823-5369

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 website.

Department of Child, Family, and Community Sciences
Chair: Anne McDonald Culp
ED 209-E; 407-823-1272
Academic Administrator: Roanne G. Brice
ED 206-H; 407-823-0664

Faculty: Albers-Biddle, Batchelder, Berry, Biddle, Brasil, Burden, Cross, Culp, Dieker, Duke, Englehart, Ezell, Fisher, Hines, Hoffman, Jennings, Kian, Kuminka, Lanier, Levin, Little, Marrett, Martin, Platt, Reyes, Lue-Stewart, Szente, Valdes, Vasquez, Wienke

Undergraduate academic major programs leading to bachelor's degrees and/or 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 Development and Education can select a teaching track or a child development track. Those who select the teaching track are qualified to teach Pre-Kindergarten through grade 3 upon graduation and receipt of a Pre-Kindergarten through Primary Florida Teaching Certificate.

Students in the Early Childhood Development Track are interested in working with young children and parents. These students are not seeking teacher certification. This track prepares reflective, competent, and caring professionals to work with a diverse population of young children using research-based, developmentally appropriate practices.

Students majoring in Exceptional Student Education are qualified to teach K-12 in Exceptional Student Education upon graduation and receipt of a Florida Teaching Certificate.

Students majoring in Sport and Exercise Science can select from two specializations: Sport Leadership and Exercise Science. Within the two specializations, students select one of the following: coaching, recreation, human performance, strength and conditioning or children's physical activity and movement.

Several graduate level programs are available in the department:
Early Childhood Development and Education, M.S.,
http://education.ucf.edu/grad/prog_page.cfm?ProgDeptID=41&ProgID=117
Exceptional Student Education M.A. or M.Ed.
http://education.ucf.edu/exed/
Sport and Exercise Science, M.S.
http://education.ucf.edu/sportsexscience/
See individual program Web sites and the graduate catalog for additional details. You can start by going to the Department’s website:
http://education.ucf.edu/departments.cfm

Department of Educational and Human Sciences
Chair: Grant Hayes
ED 209-H; 407-823-6106
Academic Administrator: Brenda Thompson
ED 206-E; 407-823-6579
http://education.ucf.edu/academics_departments.cfm#Department of Educational and Human Sciences

Faculty: Atkinson, Bai, Beverly, Boyd, Butler, Cintron, Clark, Daire, Edwards, Hagedorn, Hahs-Vaughn, Hirumi, Hundley, Jones, Lambie, Miller, Owens, Robinson, Sivo, Snider, Taub, Van-Horn, Whiteman, Witta, Xu, Young

The Department of Educational and Human Sciences (EHS) is primarily a graduate department that offers coursework in graduate programs in Counselor Education & School Psychology: Higher Education & Policy Studies and Research, Measurement & Evaluation. The Department also offers a number of graduate certificate programs and provides graduate courses in educational re-search, measurement and statistics that are required courses or electives in a number of programs offered in other divisions in the college.

EHS 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.”

School of Teaching, Learning and Leadership
Co-Director: Karen L. Biraimah
ED 209-B; 407-823-2426
Co-Director: Michael Hynes
ED 209-D; 407-823-2005
http://education.ucf.edu/academics_departments.cfm#School of Teaching, Learning, and Leadership

Faculty Administrators and Coordinators:
Janet Zajac
ED 206-C, 407-823-0523
Maria Cox
ED 206-D; 407-823-1763
Melissa Feyer
ED 209-C; 407-823-0303
Lindsay Archambault
ED 206-F; 407-823-2881


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

Secondary Education
Programs in this area are designed for prospective teachers interested in working with students in a specific academic area in middle/junior high school or high school. Specialization is available in Biology, Chemistry, English, Mathematics, Physics, and Social Science Education. Programs are available in K-12 areas such as Art Education, Reading Education, Foreign Language Education (French or Spanish) and ESOL Education.

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

Undergraduate Catalog 2011-2012
College of Engineering and Computer Science

Dean: Marwan Simaan
HEC 114; 407-823-2156
http://www.cecs.ucf.edu

Associate Dean for Academic Affairs: Charles Reilly
ENGR 107; 407-823-2455

Associate Dean for Research and Administration: Louis Chow
ENG2 202; 407-823-2156

Assistant Dean for Distributed and Distance Learning: Alfred Ducharme
ENGR 289; 407-823-5765

Director, Academic Affairs: Melissa A. Dagley
ENGR 107; 407-823-2455

Director, College Honors Programs: Donald Malocha
ENGR 114; 407-823-2414

Director, Educational Partnerships: Bruce Furino
ENGR 281; 407-823-4927

Undergraduate Majors and Degrees

Aerospace Engineering
Civil Engineering
Computer Engineering
Computer Science
Construction Engineering
Electrical Engineering
Environmental Engineering
Industrial Engineering
Information Technology
Mechanical Engineering

BSAE
BSCE
BSPE
BS
BSConfE
BSEE
BSVE
BSIE
BS
BSME

Accelerated BS/MS Degree Program
All of the Engineering and Computer Science departments except for the Department of Civil, Environmental and Construction Engineering and the Information Technology Program are offering an Accelerated BS/MS degree program which will allow students of high academic standing to complete an MS degree at an accelerated pace. The generic rule for students in this program is that they will be allowed to use up to twelve hours of selected 5000 and 6000 level courses with a grade of “B” or higher toward fulfillment of both the BS and MS degree requirements. Interested individuals should see the program descriptions in the graduate and undergraduate catalogs. They may also contact the department Undergraduate Coordinator and/or Graduate Coordinator if they have any further questions.

College Mission Statement

Our Mission is to provide high-quality, broad-based education and experience-based learning in engineering and computer science; to create knowledge through pioneering scholarship and impactful research; to enrich our students’ development and leadership skills; and to address pressing local, state, national, and international issues in support of the global community.

Our college is able to attract students who are remarkably bright and talented. They come to our college to learn and become the technological leaders of tomorrow. Our Engineering and Computer Science faculty are some of the best and brightest that one can find anywhere. They share with our students the excitement of discovery and creative research as they teach the problem solving and leadership skills that prepare our students to be productive members of society.

College Organization

The College of Engineering and Computer Science is organized into two major divisions: the Engineering and Computer Science Division and the Reserve Officer Training Corps (ROTC) Division. The Engineering and Computer Science Division is comprised of four engineering departments: the Civil, Environmental, and Construction Engineering (CECE) Department, the Electrical Engineering and Computer Science (EECS) Department, the Mechanical, Materials and Aerospace Engineering (MMAE) Department. The Department of Electrical Engineering and Computer Science offers degree programs in 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 departments of the Engineering and Computer Science Division offer advanced studies leading to master’s degrees and the Doctor of Philosophy degree; see the Graduate catalog for further information on these graduate programs. The undergraduate engineering programs in Aerospace Engineering, Civil Engineering, Computer Engineering, Construction Engineering, Electrical Engineering, Environmental Engineering, Industrial Engineering, and Mechanical Engineering are accredited by the Engineering Accreditation Commission of ABET, 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.

College Vision

Our Vision is to be recognized as one of the premier Colleges of Engineering and Computer Science locally, nationally, and internationally. While we are aware of the need to maintain our fundamental capabilities, we will pursue new opportunities in teaching, research, and outreach by leveraging UCF’s strengths in innovative partnerships, effective interdisciplinary research, and a commitment to excellence, inclusiveness, and diversity.
College of Engineering and Computer Science

The Honors Program in the College of Engineering and Computer Science

The engineering and computer science leaders of tomorrow must not only have impeccable technical credentials, but must also be able to provide strong leadership within the general community in which they live. With this in mind, the Honors Program in the College of Engineering and Computer Science offers outstanding undergraduate engineering and computer science majors an enriched educational, technical, professional, and cultural experience that significantly augments the basic curricula. Honors students comprise academically superior students who commit, upon acceptance into the program, to do broad as well as advanced work in a chosen area.

The objective of the Honors Program is to provide exceptional students with an opportunity to express their creativity and problem-solving abilities through challenging coursework and participation in research projects. In addition, the program exposes students to a wide variety of issues dealing with the role of engineers and computer scientists in society.

Honors students also participate in several programmed activities, such as lectures by distinguished scholars, engineers, and public figures, as well as visits to local and regional industries and to governmental and military research facilities.

There are two programs available to eligible CECS students: 1) the University Honors Program (see the section on the University Honors Program found in the Burnett Honors College section of this catalog); and 2) the Honors in the Major Program (HM).

The Honors in the Major Program

The College of Engineering and Computer Science Honors in the Major program is designed for two types of students: 1) Highly qualified students who did not participate in the University Honors Program and 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. Each student under the guidance of a faculty member in his/her major. The Honors in the Major represents a total of six credit hours of work. These credit hours are acceptable as technical electives by all programs. These six credit hours consist of an Honors in the Major Seminar titled Research done by the student. The student will defend his/her thesis. The latter will result in an undergraduate thesis which will describe the research done by the student. The student will defend his/her thesis before a committee of faculty in the field as part of an oral examination covering the honors work. A sponsoring faculty member is required to supervise the undergraduate thesis.

In order to be admitted to the Honors in the Major program, the student must:

1. Have at least 60 credit hours, including at least 12 graded, upper division credit hours at UCF.
2. A minimum UCF GPA of at least 3.20 in all upper division courses.
3. A minimum GPA of 3.50 or more in the Engineering option courses.
4. A recommendation by a sponsoring faculty member. Exceptions to the eligibility criteria may be made by the College Honors Committee in individual cases, upon recommendation by a sponsoring faculty member.

To successfully complete the HM program and receive said designation, the student must successfully defend the thesis and graduate with a minimum 3.5 GPA in the option courses, and minimum 3.2 GPA at UCF. No exceptions to this policy will be made for graduation. Successful candidates will be awarded an Honors in Engineering/Computer Science mention on the diploma and transcript, representing satisfactory completion of the program.

Application for admission to the Honors in the Major Program must be obtained from the Office of Research and Civic Engagement in the Burnett Honors College. Students in the College of Engineering and Computer Science must consult 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 Scholar Program elsewhere in this catalog).

Additional Information on UCF Baccalaureate Engineering and Computer Science Programs

Information on each UCF engineering, computer science, and information technology program follows, and more current information on the departments can be found on the College home page at http://www.cecs.ucf.edu, and on the home pages of each department. For the above page associated with a particular program, see the listing for that program on the following pages of this catalog.

Department of Civil, Environmental, and Construction Engineering

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

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

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

The Civil Engineering Program

The Civil Engineering major is concerned primarily with fundamental civil engineering design and analysis in such areas as structures, geotechnical engineering, sanitary engineering, water resources, and transportation engineering. Civil Engineering students are required to take a Project Design and Capstone Course, which synthesizes various pre-requisite course offerings into a design project. These projects are usually “open-ended” and duplicate real world engineering problems. The students typically work in small design team groups. The 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 continuing their studies at the graduate level.
- Show a commitment to ethical practice and professional development by extending their knowledge through continuing education and self-directed lifelong learning, professional licensure, and service to the profession and society.

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 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 licensure.

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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 continuing their studies at the graduate level.
- Show a commitment to ethical practice and professional development by extending their knowledge through continuing education and self-directed lifelong learning, professional licensure, and service to the profession and society.

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 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 licensure.
Graduates will demonstrate the ability to conduct experiments, collect information, and analyze and interpret data.

Graduates will demonstrate the ability to communicate their ideas effectively through written and oral reports.

Graduates will demonstrate the ability to work in teams to solve engineering problems.

Graduates will understand the need to continuously update their knowledge through licensure, continuing education, and participation in professional societies.

Graduates will be able to complete a comprehensive environmental 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.

Graduates will be able to synthesize skills learned in their program to solve real-world problems and to generate and evaluate viable solutions.

The Educational Objectives
- To provide a broad engineering education to our graduates that will include:
  - A commitment to continued scholarship and service among our graduates.
  - A spirit of innovation so that our graduates are positioned to take advantage of new technology in our profession.
  - An environment that is inclusive and diverse.
  - To attain prominence in key areas of Environmental Engineering graduate education and research.

The Mission
The Environmental Engineering Program Faculty strive to create a high quality learning experience for our students. The principal goals include:
1. Provide a broad engineering education to our graduates that will prepare them for both current and future professional challenges.
2. Promote a commitment to continued scholarship and service among our graduates.
3. Foster a spirit of innovation so that our graduates are positioned to take advantage of new technology in our profession.
4. Promote an environment that is inclusive and diverse.
5. To attain prominence in key areas of Environmental Engineering graduate education and research.

The 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 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 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 be able to complete a comprehensive environmental 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 Program Faculty strives to create a high quality learning experience for our students. The principal goals include:
1. Provide a broad engineering education to our graduates that will prepare them for both current and future professional challenges.
2. Promote a commitment to continued scholarship and service among our graduates.
3. Foster a spirit of innovation so that our graduates are positioned to take advantage of new technology in our profession.
4. Promote an environment that is inclusive and diverse.
5. To attain prominence in key areas of Construction Engineering graduate education and research.

The 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, project control, resource allocation, risk management, and legal issues.
  - 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.

The 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 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.
10. Graduates will be able to synthesize skills learned in their program to solve real-world problems and to generate and evaluate viable solutions.
Department Policy for Double Degree in Civil, Environmental, and Construction Engineering

The faculty of the Civil, Environmental, and Construction Engineering Department believe that a double degree from the department should reflect a significant achievement and a significant increase in knowledge and formal coursework above the requirements for a single degree. Any undergraduate in Civil, Environmental, or Construction Engineering desiring to obtain a double degree shall meet the following requirements:

- The student shall meet all individual requirements for each degree.
- The coursework must include two different design courses, one from each program, plus the capstone design course.
- Completion of requirements for both degrees must be in the same semester.
- The same catalog year must be used for both degrees.
- The student must have a minimum of 150 credit hours.

Additional notes:

- The extra hours represent at least one additional semester of full-time enrollment.
- All majors completed will be indicated on the student's transcript.

Civil Engineering Major Pursuing Environmental Engineering Additional Degree

Students will need to complete a minimum of 150 credit hours which will include the 23 additional hours to earn a Bachelor of Science Environmental Engineering degree in addition to the Bachelor of Science Civil Engineering degree. The additional courses are: An Earth Science (GEP), A Biological Science (3hrs), CHM 2045C (4hrs), CHM 2056L (1hr), CHM 2056C (3hrs), CHM 2056L (1hr), CHM 2065C (3hrs), CHM 2065L (1hr), CHM 2066L (1hr), CHEM 101 (3hrs), ENVR 102 (3hrs), EES 4202C (4hrs), EES 4111C (3hrs), Water Resources Engineering 2 (3hrs), Environmental Engineering Operations & Processes 2 (3hrs), and an Environmental Design course (3hrs).

Civil Engineering Major Pursuing Construction Engineering Additional Degree

Students will need to complete a minimum of 150 credit hours which will include the 19 additional hours to earn a Bachelor of Science Construction Engineering degree in addition to the Bachelor of Science Civil Engineering degree. The additional courses are: CCE 4004 (3hrs), CCE 4034 (3hrs), CCE 4402 (3hrs), CCE 4810C (3hrs), CCE 4813 (4hrs), AGC 2071 (3hrs).

Environmental Engineering Major Pursuing Civil Engineering Additional Degree

Students will need to complete a minimum of 150 credit hours which will include the 23 additional hours to earn a Bachelor of Science Civil Engineering degree in addition to the Bachelor of Science Environmental Engineering degree. The additional courses are: CGN 3501C (3hrs), CE Measurements (4hrs), Highway Engineering (3hrs), CES 4100C (4hrs), CES 4605 (3hrs), CES 4702 (3hrs), and a Civil Design course (3hrs).

Department of Electrical Engineering and Computer Science

Computer Science Division

Interim Chair: Gary T. Leavens
HEC 437; 407-823-3957

Faculty: Bassiouni, Boloni, Chatterjee, da Vitoria Lobo, Deo, Dechey, Foroosh, Gomez, Gonzalez, Guha, Heinrich, Hu, Hughes, Jha, Lang, LaViolette, Leavens, Marinescu, Orozco, Pattanaik, Shah, Stanley, Sukthankar, Tappen, Turgut, Wocjan, A. Wu, Zhang, 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 restricted elective credit to concentrate their degree in one of many research areas, including computational bio-technology, 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, 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 maintenance engineer.
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 computer systems and their 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 complex-
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 administration, web applications developer, webmaster, database administration, IT project lead, IT quality assurance.
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, and e-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 solutions for 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.

Electrical and Computer Engineering Division
Interim Chair: Zhihua Qu
HEC 439C; 407-823-2787

Faculty: Batarseh, Behal, DeMara, Georgiopoulos, Gong, Haralambous, Jones, Kaspersis, Lee, Lin, Liou, Lolfard, Malocha, Mikhael, Qu, Richie, Shen, Simaan, Sundaram, Wahid, Wang, Weeks, Wei, T. Wu, Yuan

The Electrical and Computer Engineering division offers baccalaureate degrees in both Electrical Engineering (BSEE) and Computer Engineering (BSCpE). Graduate degrees leading to the Master of Science in Electrical Engineering (M.S.E.E.), Master of Science in Computer Engineering (M.S.CpE), and Doctor of Philosophy (Ph.D.) are also offered (see online Graduate Catalog).

The curriculum provides an integrated experience including humanities and social sciences, mathematics and basic sciences, engineering core, computing, and design experience. The laboratory experiences are appropriately combine theory and practice in the Electrical and Computer Engineering programs through a logical progression of courses. Design experiences start with the first circuits course, EEL 3004, and progress to the senior design capstone courses. This senior design experience is a two-semester sequence totaling six credit hours. Aspects of engineering economics, administration, oral presentation, professional issues such as ethics, safety and environmental impact are also covered in the design courses. The design projects required in the design course sequence address real-life problems, and the students work in a team setting. Also, several projects are developed jointly with our industrial partners.

The Computer Engineering Program

The Computer Engineering program contains a minimum of 63 credit hours of design experience, which includes courses listed as Embedded Systems and Computer Architecture (EEL 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 CpE 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 data 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,
The Electrical Engineering Program
The Electrical Engineering program contains a minimum of 63 credit hours of design experience. This is achieved through such courses as Linear Control Systems (EEL 3657), Electronics I and II (EEE 3307C and EEE 4309C), Digital Signal Processing (EEL 4750), Analog and Digital Communication Fundamentals (EEL 3552C), Embedded Systems (EEL 4767C), Networks and Systems (EEE 3123C) and Digital Systems (EEE 3342C). Technical electives can give additional design experience leading to work in communications, controls, image and signal processing, microelectronics and solid state devices, microwaves and electromagnetics, optical engineering, and power/ power electronics.

Mission
The mission of the Electrical Engineering Program is to develop and disseminate the theory and methods for the design, analysis, and implementation of the principles and practices in Electrical Engineering.

Educational Objectives
The objectives of the EE Program at UCF are that:
1. An ability to apply knowledge of mathematics, science, and engineering principles
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
12. Knowledge of probability and statistics necessary for use in electrical 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.
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

Chair: Suhada Jayasuriya
ENGR 307; 407-823-2416; 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, CAD/CAM/FEM, 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 courses and grows throughout the curriculum 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 a command of corresponding 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 skills include understanding contemporary aerospace engineering principles, 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 aeronautical systems 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 using information resources.

7. An ability to work collaboratively in multi-disciplinary teams and understand their performance.

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 for 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, 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 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 designing space shuttles 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 using 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 mechanical 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 mechanical 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 Air Force 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 enrolled 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. Depending 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 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

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

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. This program requires a guarantied Army Reserve or National Guard position. The program offers both a four-year and two-year option for students working on their Baccalaureate or Graduate degrees. Program now offers 4, 3, and 2 year scholarship options. The four-year option requires completion of one military science course and a leadership laboratory that must be taken in conjunction with the academic class every semester. The two-year option allows students with at least two academic years remaining to complete their degrees to meet all requirements for commissioning by receiving placement credit for the first two years (Basic Course) and completing the last two years (Advanced Course). Students may be eligible for the Army's Simultaneous Membership Program (SMP) which combines Reserve Forces Duty with Army ROTC officer training courses on campus. Note: The Army retains sole discretion - in accordance with public law and military regulation - regarding whether or not any applicant is qualified for pre-commissioning education through Army ROTC. More information on the AROTC program can be found on the AROTC Department home page: http://army.ucf.edu.

Curriculum

The Military Science curriculum is designed to develop students' leadership potential and improve students' planning, organizational, and managerial skills. The on-campus curriculum is divided into two phases: Basic Military Science Course and Advanced Military Science Course.

1. Basic Military Science

A. The Basic Military Science Course consists of four semesters of classroom instruction of one hour each week and a two 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 general elective courses are normally taken during the freshman and sophomore years and fulfill pre-requisite requirements for entering the Advanced Military Science phase.

B. Requisites for admission to the Basic Course:
   - Enrollment in a Baccalaureate or Master's degree program
   - Full-time student status

2. Advanced Military Science

A. The Advanced Military Science courses (MSL 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)
   - US 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 books and fees. In addition, all contracted scholarship 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 Assessment Course at Fort Lewis, WA, normally between their junior and senior years. Successful completion of an Army physical examination 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.

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 following 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/alcs_goals.htm
College of Health and Public Affairs
Dean: Michael L. Frumkin
HPA 365, 407-823-0171
http://www.cohpa.ucf.edu

Associate Dean, Graduate Studies and Technology:
Ronnie Korosec, HPA 365; 407-823-0171
Associate Dean, Research: Thomas Wan
BNT 108; 407-823-0170
Associate Dean, Student/Personnel Affairs: Melvin Rogers
HPA 365; 407-823-0171
Associate Dean, Undergraduate Studies: Pamela E. Kirby
HPA 365, 407-823-0171

The College of Health and Public Affairs houses seven departments and schools: the School of Social Work, and the departments of Communication Sciences and Disorders, Criminal Justice, Legal Studies, Health Professions, Health Management & Informatics, and Public Administration.

The College fosters excellence in undergraduate and graduate education, research and community service in health, social services and justice and offers an interdisciplinary PhD program 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 Health Informatics and Information Management. 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 website.

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.

Academic Advisement
Undergraduate Student Services
Director: Mariangelly Rente
HPA 2115, 407-823-0010
E-mail: hpainfo@mail.ucf.edu

The College of Health and Public Affairs Undergraduate Student Services assists undergraduate students in understanding college and university requirements and procedures as well as coordinating orientation, registration and graduation certification. Students interested in pursuing limited access programs are encouraged to meet with advisors in the college to stay on track by taking the appropriate prerequisite requirements. Advisors are available through the Outreach Program for students on probation or for those who are having academic difficulty. Questions concerning university and college academic policies should be directed through this office.

Programs and Degrees

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<td>Criminal Justice</td>
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<tr>
<td>Health Informatics and Information Management</td>
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<tr>
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Department of Communication Sciences and Disorders

Chair: TBA
HPA2 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 coursework 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

Minors: Communication Sciences and Disorders

Certificates: Language Development and Disorders

Department of Criminal Justice

Chair: Robert Langworthy
HPA 311 407-823-2603


The Department of Criminal Justice houses the undergraduate degree program in Criminal Justice. The department supports Lambda Alpha Epsilon, the professional Criminal Justice fraternity, and Alpha Phi Sigma, the Criminal Justice Honor society. Criminal Justice is a problem-based field of study which focuses on the nature of crime control agencies in a democratic society. The curriculum reflects the dynamic nature of the field and prepares students for challenging careers in public service.

Degrees: Criminal Justice (BA, BS, MS)

Tracks: None

Minors: Criminal Justice


Department of Health Management and Informatics

Chair: TBA
HPA2 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

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.

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: Kristen Schellhase
HPA 118/119, 407-823-2214

Faculty: Angelopoulos, Hanney, Lytle, Pabian, Plant, Rothskill, Saleh, Schellhase, Shack-Dugre, Smith, Tucker, Worell.

The Department of Health Professions offers a baccalaureate program in Athletic Training as well as in Health Sciences - Pre-Clinical Track for those planning to go on to a graduate clinical professional program.

Program in Athletic Training

This is a competitive program that requires a separate application process following acceptance into the University. Consent from the program director is required. 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 all prerequisite courses and a minimum grade of “C” (2.0) is required for all required courses within the program. The program is accredited by the national professional association and graduates are prepared to take the examination for certification. 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 educ-
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).

**Degrees:** Athletic Training (BS)
**Tracks:** None
**Minors:** None

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**Program in Health Sciences-Pre-Clinical Track**

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 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

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**Department of Legal Studies**

**Chair:** James Beckman
HPA 434; 407-823-1670

**Faculty:** Bast, Brown, Cook, Flagg, Kirby, Koblasz, Milan, Pons, Scott, Slaughter, Wood.

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 Sciences with a major in Legal Studies. The department houses Phi Alpha Delta, the Legal Studies professional society.

**Degrees:** Legal Studies (BA, BS)
**Minor:** Legal Studies

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**Department of Public Administration**

**Chair:** Mary Ann Feldheim
HPA2 238; 407-823-2604

**Faculty:** Abels, Blessett, Bryer, Colby, Feldheim, Hawkins, Jurie, Kapucu, Knox, Korosec, Krick, Lawther, Littleton, Liou, Martin, Rogers, Smith, Wang.

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

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**School of Social Work**

**Director:** John Ronnau
HPA 204; 407-823-2114

**Faculty:** Abel, Buckey, Burg, Gammonley, Hall, Kohn, 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 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 strengths perspective is central to the social work profession emphasizing resources, capabilities, resilience, and seeing obstacles as challenges.

The curriculum, nationally accredited by the Council on Social Work Education, aims to graduate social work generalists who can teach people how to create their own path and enhance their quality of life. Graduates will assist people in changing patterns of behavior, poverty, abuse, and oppression and help them to develop effective coping skills for life’s challenges. The Social Work Program is a limited access program that requires a separate application to the School of Social Work.

If a student wishes to pursue their academic endeavors further, the School of Social Work also offers a Master’s in Social Work.

**Degrees:** Social Work (BSW, MSW)
**Tracks:** None
**Minors:** Aging Studies
**Certificates:** Aging Studies, Children’s Services

**Program Academic Learning Compacts (student learning outcomes)**

for undergraduate programs in the College of Health and Public Affairs are located at:

http://oeas.ucf.edu/alc/alc_students_cohpa.htm
College of Medicine

Vice-President for Medical Affairs and Dean: Deborah C. German
6850 Lake Nona Blvd., Suite 313, Orlando, FL 32827-7408
407-266-1000
http://www.med.ucf.edu

Associate Dean for Faculty and Academic Affairs: Richard Peppler
COM 313J; 407-266-1101

Director, Burnett School of Biomedical Sciences: Pappachan Kolattukudy
BL 136; 407-823-1312; Fax: 407-823-0956

Assistant Dean, Undergraduate Medical Education: Jonathan Kibble
Assistant Dean, Undergraduate Medical Education; Lori Boardman
Associate Director of Academic Affairs (Burnett School of Biomedical Sciences): Roseann White
HPA 2 335J; 407-823-5932; Fax 407-823-3095

UCF College of Medicine offers the second largest undergraduate program in the university through its Burnett School of Biomedical Sciences. The college currently includes an M.D. program and undergraduate and advanced degree programs in biomedical sciences. The Burnett School of Biomedical Sciences is an integral part of the College of Medicine, making it a research-intensive medical school where cutting-edge medical research spans the entire spectrum from laboratory bench to bedside. The school is home to quality programs in the biomedical sciences as well as vigorous research programs focused on cancer, cardiovascular, neurological, and infectious diseases. The UCF College of Medicine is a forward-looking medical school with a culture based on partnerships and collaboration. The college's medical and biomedical programs capitalize on UCF's existing strengths in biological sciences, modeling and simulation, engineering, optics and photonics, psychology, chemistry, film and digital media, business, and nursing.

The mission of the Burnett School of Biomedical Sciences is to provide quality undergraduate and graduate programs in the biomedical sciences and build vigorous research programs focused on cancer and cardiovascular, neurological, and infectious diseases. In addition to conducting cutting edge research in biomedicine with potential application to curing major diseases, the School is committed to helping develop a technology-based industry in Florida. Active partnerships formed with other units such as the College of Optics and Photonics, the School of Electrical Engineering and Computer Science and the NanoScience Technology Center will facilitate interdisciplinary research and education programs in the innovative application of photonics, bioinformatics and nanoscience to biomedical problems.

The Burnett School is educating over 2,350 undergraduate majors in the biomedical sciences including Biotechnology, Medical Laboratory Sciences, and Biomedical Sciences (the second largest major in the university). The school also offers master's degrees in Biomedical Sciences and in Biotechnology, as well as an interdisciplinary doctoral degree in Biomedical Sciences. The current graduate enrollment is approximately 110 master's and doctoral students. The M.D. program enrolled its first class in August 2009 and will annually increase the number of admitted students to a level that will produce 120 medical graduates each year. The current enrollment is 100 M.D. students.

In addition to facilities on the main Orlando campus that support the undergraduate and graduate programs, the college has new facilities that are an integral part of the growing medical city at Lake Nona. The UCF Health Sciences Campus at Lake Nona includes the new 170,000-square-foot medical education building and the 196,000-square-foot Burnett Biomedical Sciences building. The M.D. program is offered in the medical education building, which features the latest in lab and classroom technology. The state of the art research laboratories in the Burnett Biomedical Sciences building provide expanded research opportunities for undergraduate and graduate students.

Programs and Degrees

<table>
<thead>
<tr>
<th>Program</th>
<th>Degree</th>
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<tbody>
<tr>
<td>Biomedical Sciences</td>
<td>B.S., M.S., Minor</td>
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<tr>
<td>Biotechnology</td>
<td>B.S., M.S., M.S./M.B.A.</td>
</tr>
<tr>
<td>Medical Laboratory Sciences</td>
<td>B.S.</td>
</tr>
<tr>
<td>Biomedical Sciences</td>
<td>Ph.D.</td>
</tr>
<tr>
<td>Medicine</td>
<td>M.D.</td>
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</tbody>
</table>

College of Medicine Mission, Vision and Goals

Mission
The University of Central Florida College of Medicine educates and inspires individuals to be exemplary physicians and scientists, leaders in medicine, scholars in discovery, and adopters of innovative technology to improve the health and well-being of all. Our patient-centered mission is achieved by outstanding medical care and services, groundbreaking research, and leading edge medical and biomedical education in an environment enriched by diversity.

Vision
The University of Central Florida College of Medicine will be the nation’s premier 21st century college of medicine — a national leader in education, research, and patient care, recognized for supporting and empowering its students and faculty to realize their passion for discovery, healing, health, and life, and for its ability to create partnerships to transform medical education and health care.
College of Medicine

Goals
- Achieve excellence in medical and biomedical education
- Excel in research and discovery in biomedical science, medical education, and health care
- Provide outstanding individualized patient care while transforming health care delivery
- Be America’s leading partnership college of medicine
- Establish a diversified self-sustaining infrastructure to support future operations

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 Biomedical Sciences (formerly 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 Biomedical Sciences, and Biotechnology. Also, it offers an interdisciplinary Ph.D. program in the Biomedical Sciences. The UCF College of Medicine provides the UCF Pre-Health Professions Admissions Office (HPHAO), 407-823-2670, to assist in the preparation of applicants for admission to professional schools in health sciences. At this time, the School has approximately 2,350 undergraduate students and 110 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 Admissions Office.

Program in Biomedical Sciences
(Formerly Molecular Biology and Microbiology)
Undergraduate Coordinator: Doriyn Hitchcock
HPA2 335A; 407-823-5832
Graduate Coordinator: Saleh Naser
BL 221; 407-823-0956

The Core Curriculum in the baccalaureate program, with its broad and thorough background in the physical, computational, and life sciences, provides a solid foundation in concepts and applications of modern biology to contemporary and future problems. The Restricted Electives component of the baccalaureate program allows each student to enhance his/her academic preparation in areas of morphological, clinical, analytical or investigative applications. Students are also encouraged to gain research experience and exposure to specialized topics not taught in formal courses through the mechanism of directed research and independent study contracts with selected faculty. This thorough, but flexible, program provides an excellent preparation for industry, graduate education, and for the four-year health science professions (medicine, veterinary, pharmacy, podiatry, physician assistant, physical therapy, optometry, chiropactic and dentistry).

Degrees: Biomedical Sciences (B.S., M.S.)
Biomedical Sciences Preprofessional Concentration (B.S.)

Tracks: None
Minors: Biomedical Sciences

Program in Biotechnology
Director and Graduate Coordinator: Henry Danieli
BL 336; 407-823-5932

To meet the demand for highly trained scientists in the biotechnology workforce, the Burnett School of Biomedical Sciences now offers a Bachelor of Science degree in Biotechnology. This new degree program prepares students to function in the industrial biotechnology/biomedical environment, providing them with more “hands on” laboratory experiences and opportunities for research. These students will be provided an industrial perspective and an understanding of product development at the same time as they are trained in the molecular techniques required for such development.

Degrees: Biotechnology (B.S., M.S., M.S./M.B.A.)
Tracks: None
Minors: None

Program in Medical Laboratory Sciences
Director: Doriyn Hitchcock
HPA2 335A; 407-823-5932

Medical technologists may be involved in medical diagnosis, patient treatment, health screening, laboratory management, research, and laboratory education. They use highly sophisticated analytical equipment for the examination of blood and body fluids.

The curriculum is designed to give students a thorough background in the physical and biological sciences; to develop the necessary laboratory skills and essential skills to assume leadership roles in management and education. Also, it prepares students in the development of a high level of proficiency in correlating clinical data.

The last two years of sequential courses constitute the upper division professional phase of the program. The Medical Laboratory Sciences class size to be selected is determined by the availability of space and equipment, as well as available spaces in the clinical facilities.

The Medical Laboratory Sciences is a limited access program that requires a separate application to the program. Preference will be given to those who apply by March 1st but applications will be accepted until the class is filled.

The Medical Laboratory Sciences program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS-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; 407-823-5767;
Academic Advisor: Ana Maria Schwindt
HPA2 337; 407-823-1269
E-mail: bcbsinfo@ucf.edu

The Office of Student Services and Advisement (OSSA) is the primary office for undergraduate academic advisement in the Burnett School of Biomedical Sciences. OSSA assists Biomedical Sciences, Biotechnology, and Medical Laboratory Sciences students in orientation, registration, University policies and procedures, major requirements, course substitutions, and graduation certification. Students interested in pursuing the Medical Laboratory Sciences limited access program, should meet with an advisor or the Program Director for more information.

Pre-Health Professions Advisement Office
Director: Genaro Lopez
HPA 124; 407-823-2670

The Pre-Health Professions Advisement Office (HPHAO) (HPHAO) 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, chiropactic 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://oeas.ucf.edu/alc/alc_students_bobs.htm
College of Nursing

Dean: Jean Leuner
UTWR 3RD floor; 407-823-5496

Associate Dean Undergraduate Affairs: Linda Hennig
UTWR 3RD floor; 407-823-4941

Associate Dean Graduate Affairs Susan Chase
UTWR 3RD floor; 407-823-3079

E-mail:ucfnurse@mail.ucf.edu
http://www.nursing.ucf.edu


The College of Nursing is the 11th college to be established at the University. It was established as a Department of Nursing and graduated its first class in 1961. 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 emphasizes 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 baccelor’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, MSN and PhD 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 website: http://www.nursing.ucf.edu

Academic Advisement
Office of Undergraduate Student Services
UTWR 3rd floor; 407-823-2744
E-mail:ucfnurse@mail.ucf.edu
http://www.nursing.ucf.edu

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://oeas.ucf.edu/alc/alc_students_con.htm
CREOL, The College of Optics and Photonics

Dean and Director: Bahaa Saleh
CROL 206; 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 43 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/photonics field, with two-thirds holding the rank of Fellow in major national and international professional societies. It is housed in a state-of-the-art 104,000-square-foot building dedicated to optics, photonics, and laser education and research on the main campus. This facility houses ninety research laboratories equipped with over $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 Incubator 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 $11 million of research grants and contracts annually from numerous federal and state agencies and industry.

Graduate assistantships, with stipends ranging from $22,000 to $28,000, 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.

TThe College is responsible for all programs in the sciences and the departments collectively offer 52 undergraduate baccalaureate degrees, minors, certificates, tracks, and pre-professional programs. For 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 Concentration 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 website.
### Programs and Degrees

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<th>Degree</th>
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<tr>
<td>Advertising-Public Relations</td>
<td>BA</td>
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<tr>
<td>Anthropology</td>
<td>BA, MA, Minor</td>
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<tr>
<td>Astronomy</td>
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<tr>
<td>Behavioral Forensics</td>
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<tr>
<td>Biology</td>
<td>BS, MS, Minor</td>
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<tr>
<td>Biology-Pre Health Professional</td>
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<td>Biomedical Sciences</td>
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<td>Chemistry</td>
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<td>Data mining</td>
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<td>Diplomacy</td>
<td>Certificate</td>
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<td>Diversity &amp; Social Inequality</td>
<td>Minor</td>
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<td>European Studies</td>
<td>Minor</td>
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<tr>
<td>Forensic Science</td>
<td>BS, MS</td>
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<td>International &amp; Global Studies</td>
<td>BA, Minor</td>
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<tr>
<td>Interpersonal/Organizational Communication</td>
<td>BA, Minor</td>
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<td>Mass Communication</td>
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<td>Mass Culture &amp; Collective Behavior</td>
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<td>Mathematics</td>
<td>BS, Certificate, MS, PhD, Minor</td>
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<tr>
<td>Maya Studies</td>
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<td>Medical Anthropology</td>
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<td>Medical Sociology</td>
<td>Minor</td>
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<td>North American Indian Studies</td>
<td>Minor</td>
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<tr>
<td>Physics</td>
<td>BS, Certificate, MS, PhD, Minor</td>
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<td>Political Science</td>
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<td>Political Science-Pre Law</td>
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<td>Psychology</td>
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<td>Radio-Television</td>
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<td>Social Sciences Interdisciplinary</td>
<td>BS</td>
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<td>Sociology</td>
<td>BA, MA, PhD, Minor</td>
</tr>
<tr>
<td>Statistics</td>
<td>BS, MS, Minor</td>
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### Departments, Schools, 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. Chase, D. Chase, Dupras, Geiger, Groff, Howard, Lieberman, Long, Matejowsky, McTyre, Mishal, Reyes-Cortez, Schultz, Sinnelli, Toyne, Walker; Professors Emeritus: Stearn, Wallace

The Department of Anthropology offers courses and programs that lead to: a Bachelor of Arts in Anthropology; a minor in Anthropology with concentrations in general anthropology, archaeology, cultural anthropology, and physical anthropology; a minor in Anthropology in Multicultural Studies; a minor in Native American Indian Studies; 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

#### Department of Biology

**Chair:** C. Ross Hinkle  
**BL 301; 407-823-2141**  
E-mail: biology@ucf.edu  
http://biology.cos.ucf.edu/

**Faculty:** Bayer, Bohlen, Crampton, Fauth, Fedorka, Harris, Hinkle, Hoffman, Jenkins, Klawden, Lodigio, Manjerovic, Noss, Parkinson, Quin-tana-Ascencio, Song, Sotero-Esteva, Stern, Thomas, Vajravelu, Von Holle, von Kalm, Walters, Weishampel, Worthy; Professors Emeritus: Ehnhart, Ellis, Kuhn, Kovenig, Osborne, Stou, 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 Ph.D 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 subspecialty. Careful selection of restricted and unrestricted electives allows students to satisfy requirements for admission to professional or graduate school while completing their B.S. degree in Biology. Research experience and exposure to specialized topics not taught through formal courses may be gained through independent study.

**Degrees:** Biology (BS, MS), Conservation Biology (BS, MS)  
**Concentration:** 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, Kolpashchikov, Kuebler, Kujawa, Liao, Mattson, Miles, Miller, Patino, Richardson, 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.

**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; 407-823-2283**  
http://communication.cos.ucf.edu/

**Assistant Director:** Boyd Lindsley  
**NSC 240A; 407-823-6751**  
Nicholson Academic Student Services Center (NASSC)  
**NSC 143; 407-823-2681**  
E-mail: nassc@mail.ucf.edu

**Faculty:** Akitia, Bagley, Barfield, Bledsoe, Brown, Brunson, Butler, Chandler, Collins, Coombs, Davis, DeLorme, Dusseau, Graham,

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 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.

Facilities

The Nicholson School of Communication building (NSC) provides a superior teaching/learning facility, including multi-media instructional classrooms. The Radio-Television program has a computer writing and media lab. The Advertising-Public Relations program has a computer writing and media lab. The Interpersonal-Organizational (I-O) Communication program has a presentational speaking classroom equipped for audio/video record/playback and computerized visual presentation. The I-O program also has a small group and interpersonal research laboratory equipped with research equipment and audio/video record/playback tools.

Degrees: Advertising-Public Relations (BA), Communication (MA), Interpersonal-Organizational Communication (BA), Journalism (BA), Radio-Television (BA)

Specializations: Broadcast Journalism, Production, Broadcast Generalist

Minors: Journalism Studies, Interpersonal-Organizational Communication, Magazine Journalism, Mass Communication

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: Joseph P. Brennan
MAP 215A; 407-823-5700

Faculty: Brennan, Cannon, Carlson, Capursi, Choudhury, Clarke, Cleary, Davis, Dunlop-Pyle, Dutkay, Griffiths, Han, Higgins, Islas, Ismail, Kassab, Katzchevich, Kaup, Lee, Li, Martin, Mikusinski, Mohapatra, Moore, Muhs, Nashed, Neval, Pensky, Penmmons, Qi, Reid, Ren, Richardson, Rollins, Schober, Schweitzer, Shah, Shvamoggi, Skripka, Song, Sun, Swanson, Tamasan, Taylor, Tovbis, Vajrevul, Woojan, Yong, Young, Zinchenko, Zhao

The Department of Mathematics offers courses and programs leading to a Bachelor of Science in Mathematics, a minor in Mathematics, a Graduate Certificate in Mathematics, a Master of Science in Mathematical Science and a Ph.D. in Mathematics. (See the Graduate Studies catalog for a description of the M.S. in Mathematical Science and the Ph.D. in Mathematics.) The programs in mathematics are designed to serve:

1. Students who desire to pursue careers in mathematics after having completed a baccalaureate degree;
2. Students who desire to continue their education in graduate and professional schools; and
3. Students who need to use mathematics as a tool in their specialty areas.

In order to serve such a wide variety of students, the courses and programs in the Department of Mathematics have developed along several lines. The Department offers service courses in pre-calculus and calculus along with strong programs in the upper division in the areas of algebra and analysis as well as the areas of applied and computational mathematics.

The department does not award credit by examination for courses that are regularly taught. Students who have mastered the material in a given course are encouraged to take a more advanced class to fulfill their mathematics requirement. A limited number of student assistantships are available for qualified graduate students.

Degrees: Mathematics (BS, MS, PhD)
Certificate: Mathematics
Tracks: Applied Mathematics, Computational Mathematics, Engineering/Physics, Mathematical Economics, Pure Mathematics

Minors: Mathematics

Department of Physics

Chair: Talat Rahman
PS 430A; 407-823-5785
E-mail: physics@ucf.edu
http://physics.cos.ucf.edu/

Associate Chair: Joshua Colwell
PS 434; 407-823-2012

Faculty: Al-Rawi, Bhattacharya, Bindell, Brit, Brueckner, Campins, Chang, Chemyak, Chini, Chow, Colwell, Cooney, Del Barco, Dubey, Efthimiou, Fernandez, Filtsiyan, Harrington, Heinrich, Ishigami, Johnson, Kara, Khondaker, Kimmel, Kookounie, Leuenberger, Luo, Martin, Montgomery, Mucchio, Peale, Rahman, Roldan-Cuenya, Saha, Schelling, Schulte, Stolbov, Tatulian, Tonner, Vellassaris, Zhmudskyy; 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 that are varied as engineering physics, computational physics, and physics education. Undergraduate physics majors benefit from small class sizes, and are encouraged to be involved in individually designed senior projects working with a faculty advisor.

The Department’s research programs include optics and lasers, condensed matter physics, complex systems, biophysics, atomic and molecular physics, nanostructures, and planetary science. The Department of Physics also offers a Master of Science degree and a Doctor of Philosophy degree.

Degrees: Physics (BS, MS, PhD)
Tracks: General Physics, Materials Physics, Optics & Lasers, Computational Physics, Astronomy

Minors: Astronomy, Physics

Department of Political Science

Chair: TBA
PH 302; 407-823-2608
E-mail: politics@ucf.edu
http://politicalscience.cos.ucf.edu/

Associate Chair: TBA
PH 302; 407-823-2608
College of Sciences


The Department of Political Science seeks to:
1. Provide students with a broad background for careers in foreign and domestic public service and in the private sector where knowledge of government and politics is necessary;
2. Provide students with a broad background in pre-law to facilitate their admission to law school;
3. Prepare students for teaching, research, and graduate study in Political Science;
4. Provide a broad background for careers in politics; and
5. Educate citizens and promote their active interest in public affairs.

Students should plan their major or minor in consultation with their 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 Myunghee 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 or Aubrey Jewett.
- Latin American and Iberian Studies: Contact Waltraud Q. Morales or Bruce Wilson.
- Space Studies: Contact Roger Handberg.
- Women’s Studies: Contact Terri S. Fine.

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: TBA
PSY 301L; 407-823-2216
E-mail: psychology@ucf.edu
http://psychology.cos.ucf.edu/
Associate Chair: TBA
PSY 301; 407-823-2216

Faculty: Azimi, Bedwell, Beidel, Berman, Brophy, Cassisi, Chin, Cox, DeChurch, Dipboye, M. Dunn, S. Dunn, Fouty, Fritzsche, Ghaseinejad, 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, Saunders, Shirkey, Storm, Sims, Smith, 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 and 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: TBA
PH 403B; 407-823-3744
http://sociology.ucf.edu/
Associate Chair: J. Jasinski

Faculty: Canan, Sc.Carter, Sh.Carter, Cook, Corzine, Ford, Gay,

Grauholz, Huff-Corzine, Jasinski, Lynxwiler, Morris, Mustaine, Pals, Reckendorf, 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 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 presentational 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 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: Crime, Law & Deviance, Diversity & Social Inequality, Mass Culture & Collective Behavior, Medical Sociology, Sociology, Social Sciences Interdisciplinary

Department of Statistics
Chair: D. Nickerson
CCI 206; 407-823-5528
http://statistics.cos.ucf.edu/

Faculty: Cutchins, Johnson, Kellison, Modisett, 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 (BS, MS)
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.oesas.ucf.edu/alac_students_cosci.htm
Office of Undergraduate Studies
Dean: TBA;
MH 218; 407-823-2373
http://www.undergrad.ucf.edu/
Associate Dean: TBA;
MH 210; 407-823-2691
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 Office of Pre-Professional Advising, 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 goals of the office are to apply these policies fairly, promptly and evenly according to established guidelines; to provide a timely response to requests from students, faculty, and staff; and to maintain accurate and effective computer records for advisement and graduation certification.

Bachelor of Applied Science
Dean: TBA
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 or personal advancement. The program builds upon the technical or professional skills acquired in the A.S. to develop competencies in management and communication, with emphasis on developing skills in critical thinking, problem solving and decision making. The curriculum consists of core courses in ethics, management and communication, and a concentration chosen by the student.

Office of Experiential Learning
Director: Sheri Dressler
CSEL 300; 407-823-2667
http://www.explearning.ucf.edu/
This office provides and supports co-op, internship and service-learning courses for students in all colleges through partnerships with college faculty and community partners locally, nationally and internationally. Experiential Learning faculty teach co-op and internship courses, facilitate the development of quality internship and service-learning courses in colleges through faculty professional development and partnerships, develop and maintain productive relationships with employers, and compile and distribute student learning outcome data from applied learning courses campus-wide, and compile engagement data across campus for institutional research. 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
CC2 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
CL1 302; 407-823-0144
E-mail: is@mail.ucf.edu

Program Contact: Interdisciplinary Studies Advising Team
Academic Advisers: Jessica Cheatwood-Alvarez, Jessica Simmons, Marcelle Turner, Peter Wallace

The Interdisciplinary Studies Program offers students the opportunity to pursue interdisciplinary studies through individually planned programs of study with professional advising and courses from across the university. The degree includes three different tracks from which to choose. There are also three minors and two certificate programs.

Degrees: Interdisciplinary Studies (BA, BS, 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
FC 203; 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 by 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
CC2 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 members, 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 under-represented groups and first-generation/low-income students are strongly encouraged to apply.

Office of Undergraduate Research
Director: Kimberly Schneider
CC2 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.oeas.ucf.edu/alc/alc_students_us.htm

Office of Undergraduate Studies

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Undergraduate Catalog 2011-2012
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

Faculty: Ashley, Breiter, Bunn, Chen, Choi, Croes, Dickson, Fisher, Fjelstul, Hara, Hogg, Hua, Hutchinson, Iskat, Judy, Juge, Kaufman, Kwun, Lavendol, Logan, Lynch, Muller, Murphy, Naipaul, Nusair, Okumus, Parsa, Pizam, Ro, Rompf, Ross, Severt D, Severt K, Smith, Terry, Tesone, Wang, Whitney

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 extensive 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 Tourism Studies which was created and funded by the travel and tourism industry in Central Florida. The Institute conducts research and gathers information that helps the entire Orlando area hospitality industry better understand and serve its many guests from around the world.

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
Accounting (B.S.B.A.)

College of Business Administration

Kenneth G. Dixon School of Accounting, Business Administration II, Room: 101

http://www.bus.ucf.edu

407-823-2184

Not eligible for a double degree with another College of Business Administration major.

Admission Requirements

- Completion of the General Education program, Gordon Rule, and CLAS, or an AA Degree from a Florida Public Community College, or a Florida Public University.
- See Common Program Prerequisites.

Degree Requirements

- None

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

Prefer SPC 1608 Fundamentals of Oral Communication

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

Required CGS 2100C Computer Fundamentals for Business

Required MAC 1140 Pre-Calculus Algebra

D: Social Foundations (6 hrs)

Select 1: 3 hrs

Suggested ECO 2013 Principles of Macroeconomics or

Suggested ECO 2023 Principles of Microeconomics

Select 1: 3 hrs

Suggested ANT 2000 General Anthropology or

Suggested PSY 2012 General Psychology or

Suggested SYG 2000 Introduction to Sociology

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (18 hrs)

- Must be completed with a “C” (2.0) or better
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

AUG 2021 Principles of Financial Accounting 3 hrs

AUG 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:

ECO 3401 Quantitative Business Tools I 3 hrs

or

MAC 2233 Concepts of Calculus and

STA 2023 Statistical Methods I and

Students must receive a “C” (2.0) or better in both MAC 2233 and STA 2023 to be waived from ECO 3401.

3. Core Requirements: Basic Level

- None

4. Core Requirements: Advanced Level (32 hrs)

First or subsequent semester in the College of Business Administration:

1 GEB 3021 Cornerstone: Professional Skills for Business 3 hrs

GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr

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 3375 Introduction to International Business 4 hrs

MAN 3025 Management of Organizations 4 hrs

MAR 3023 Marketing 4 hrs

MAR 3203 Supply Chain Management 4 hrs

- Must be taken in 1st or 2nd semester.

Required courses for major: 24 hrs

AGG 3131 Intermediate Financial Accounting 3 hrs

AGG 3141 Intermediate Financial Accounting II 3 hrs

AGG 3361 Cost Accounting I 3 hrs

AGG 3501 Financial Accounting for Governmental and Nonprofit Organizations 3 hrs

AGG 4401C Accounting Information Systems 3 hrs

AGG 4651 Auditing 3 hrs

AGG 4803 Contemporary Issues in Accounting 3 hrs

TAX 4001 Taxation of Business Entities and Transactions 3 hrs

5. Restricted Electives

None

6. Capstone Requirements (4 hrs)

MAN 4720 Strategic Management 4 hrs

This course is 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

GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr

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 the subsequent term, that student will be dropped as an accounting major. A student who is dropped may seek re-admittance 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 the Accounting major.
- Students must receive a “C” (2.0) or better in each account-

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 3 hrs
  - ACG 4904H Honors Directed Reading II 3 hrs
  - ACG 4970H Undergraduate Honors Thesis 3 hrs

- 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

ACG 2021 Principles of Financial Accounting 3 hrs
ACG 2021 may be substituted with:
ACG 2001 and ACG 2011

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/Anti/Soc 3 hrs
Science 3 hrs

Freshman Year - Spring

ECO 2013 Principles of Microeconomics 3 hrs
GEB 3375 Introduction to International Business 4 hrs
BUL 3130 Legal and Ethical Environment of Business 4 hrs
Free Elective 3 hrs
Free Elective 3 hrs

Sophomore Year - Fall

ACG 2071 Principles of Managerial Accounting 3 hrs
ECO 2013 Principles of Microeconomics 3 hrs
ECO 3401 Quantitative Business Tools I 3 hrs
MAR 3023 Marketing 4 hrs
POS 2041 American National Government 3 hrs

Sophomore Year - Spring

ACG 2071 Principles of Managerial Accounting 3 hrs
ECO 3401 Quantitative Business Tools II 3 hrs
ECO 3411 Quantitative Business Tools II 3 hrs
MAR 3023 Marketing 4 hrs
POS 2041 American National Government 3 hrs

Junior Year - Fall

ACG 3311 Intermediate Financial Accounting I 3 hrs
BUL 3130 Legal and Ethical Environment of Business 4 hrs
GEB 3031L Cornerstone: Professional Skills for Business 1 hr
GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
ISM 3011C Essentials of Management Information Systems 4 hrs

Junior Year - Spring

ACG 3311 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

Senior Year - Fall

ACG 3361 Cost Accounting I 3 hrs
ACG 4401C Accounting Information Systems 3 hrs
FIN 3403C Business Finance 4 hrs
TAX 4001 Taxation of Business Entities and Transactions 3 hrs

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
Free Elective 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: $15 per term
■ Full-Time Student: $30 per term
UCF Degree Programs

Advertising-Public Relations (B.A.)
College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu

E-mail: adpr@mail.ucf.edu
Joan McCain - Area Coordinator, jmccain@mail.ucf.edu
Rebecca Morales - Academic Support, rmorales@mail.ucf.edu
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 Nicholson School of Communication.
- Students must successfully complete, or be enrolled in, the following courses before applying:

**Complete the following:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADV 3008 Principles of Advertising</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PUR 4000 Public Relations</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**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 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 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)

<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>Required 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 one course from group B.</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>Suggested 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>
</tr>
</tbody>
</table>

May substitute a higher level math with appropriate scores on the Math Placement Exam.

Statistics
- Required STA 2014C Principles of Statistics or 3 hrs
- May substitute a more advanced STA course. 3 hrs

**Economics**
- Required ECO 2013 Principles of Macroeconomics 3 hrs
- Required ECO 2023 Principles of Microeconomics 3 hrs

**Social Sciences**
- Required ANT 2000 General Anthropology or 3 hrs
- Required PSY 2012 General Psychology or 3 hrs
- Required SYG 2000 Introduction to Sociology 3 hrs

**2. Common Program Prerequisites (CPP)**
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

**Select either Economics course:**
- ECO 2013 Principles of Macroeconomics or GEP
- ECO 2023 Principles of Microeconomics GEP

**Select this Speech course:**
- SPC 1608 Fundamentals of Oral Communication GEP

**3. Core Requirements: Basic Level** (6 hrs)
- Must be in progress or completed before applying to the program:

**Complete all of the following:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADV 3008 Principles of Advertising</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PUR 4000 Public Relations</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**May be completed before or after admission to the program:**

**Complete the following classes:**

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

**Complete either economics class:**
- ECO 2023 Principles of Microeconomics or GEP/CPP
- ECO 2013 Principles of Macroeconomics GEP/CPP

**4. Core Requirements: Advanced Level** (21 hrs)

**Complete after admission to the program:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADV 4101 Advertising Copywriting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COM 3311 Communication Research Methods</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MMC 3200 Mass Communication Law</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MMC 4411 Ad-PR Campaigns</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PUR 3100 Writing for Public Relations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>VIC 3001 Visual Communication</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Select one internship:**
- 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:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADV 4103 Radio-Television Advertising</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ADV 4300 Advertising Media Planning</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COM 3110 Business and Professional Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JOU 4700 Journalism Ethics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PUR 4110C Public Relations Publications</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PUR 4801 Public Relations Case Studies</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**You may take either internship, but not both.**
- 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**
- Met by graduation requirement.

**Graduation**
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.
- Eight credits of American Sign Language (ASL) can satisfy this requirement for students graduating under this catalog; however it will not count toward the 65 hour Liberal Arts requirement. Consult with the NSC advising staff to understand how choosing ASL impacts hours needed to graduate.

8. Electives
- Select primarily from upper level courses, with school advisor’s approval. Must be from outside of the school in order to not exceed the 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. Department 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.

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 Nicholson School of Communication are not open to Ad-PR majors.
- Business
- Digital Media
- Writing and Rhetoric
- 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 school advisor for alternate, new or more appropriate selections.

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- Foreign Language 4 hrs

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- STA 2014C Principles of Statistics 3 hrs
- GEP 3 hrs
- Foreign Language 4 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

Sophomore Year - Fall
- GEP 3 hrs
- GE 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
- GE 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

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
- PUR 3100 Writing for Public Relations 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Select 1:
- PUR 4941 Internship or ADV 4941 Internship 3 hrs
- Free Elective-take outside of NSC 3 hrs
- Graduation Review

Senior Year - Spring
- MMC 4411 Ad-PR Campaigns 3 hrs
- Restricted Elective 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/alb/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $22 per term
- Full-Time Student: $44 per term
Aerospace Engineering (B.S.A.E.)

College of Engineering and Computer Science
Department of Mechanical, Materials, and Aerospace Engineering, Engineering 1, Room: 307
http://www.mmae.ucf.edu
E-mail: mmaeugrad@mail.ucf.edu
Dr. Kuo-Chi Lin, klin@mail.ucf.edu, 407-823-0137
Undergraduate Advisor, mmaeugrad@ucf.edu
407-823-2416

Admission Requirements
- None

Degree Requirements
- None

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:
- Prefer 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 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 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)
- 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.

Select 1:
- 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:
- 1 CHS 1440 Fundamentals of Chemistry for Engineers or 4 hrs
- 1 CHM 2045C Chemistry Fundamentals I or 4 hrs
- 2 CHM 2040 Chemistry Fundamentals IA or 3 hrs
- 2 CHM 2041 Chemistry Fundamentals IB 3 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)
- 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.

EGN 1006C Introduction to the Engineering Profession 1 hr
EGN 1007C Engineering Concepts and Methods 1 hr

4. Core Requirements: Advanced Level (54 hrs)
- Engineering Analysis-Statics 3 hrs
- Engineering Analysis-Dynamics 3 hrs
- EGN 3343 Thermodynamics 3 hrs
- EMA 3706 Structure and Properties of Aerospace Materials 3 hrs
- EGN 3373 Principles of Electrical Engineering 3 hrs
- STA 3032 Probability and Statistics for Engineers GEP 3 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 4134 High-Speed Aerodynamics 3 hrs
- EAS 4200 Flight Structures 3 hrs
- EAS 4300 Aerothermodynamics of Propulsion Systems 3 hrs
- EML 3034C Modeling Methods in Mechanical and Aerospace Engineering 3 hrs
- EML 4312C Feedback Control 3 hrs
- EGM 3601 Solid Mechanics 3 hrs
- EAS 4210 Space Structural Dynamics 3 hrs

Select 1:
- EAS 3530 Space Systems Concepts or 3 hrs
- EAS 4505 Orbital Mechanics 3 hrs

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.

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

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
- None

9. Additional Requirements
- None
- Required Minors
- None

11. Department 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 resi-
dency 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
- Mechanical Engineering

Certificates
- None

Related Minors
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Engineering Leadership

Advising Notes
- Double Degree/Double Major requirements listed under college sec-
tion of the catalog.

Career and Academic Advising
- The department requires all students in the program to meet with
a faculty member for advising on career and academic issues. These
courses must be taken in sequence during the 3rd and 4th year.

Junior Year - Fall
- 15 hrs
- EAS 3900 Aerospace Career and Academic Faculty 0 hrs
- Advising I
- EAS 4991 Aerospace Career and Academic Faculty 0 hrs
- Advising II

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 will be
substituted by an approved Aerospace Engineering Elective for transfer
students.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (128 hrs)
- The tentative course schedule listed below is a guide for those stu-
dents 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
- 15 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
- GEP 3 hrs
- Select 1: 4 hrs
  - CHS 1440 Fundamentals of Chemistry for Engineers or 4 hrs
  - CHM 2045C Chemistry Fundamentals I or 4 hrs
  - CHM 2040 Chemistry Fundamentals IA or 3 hrs
  - CHM 2041 Chemistry Fundamentals IB 3 hrs
- 1 Preferred

Freshman Year - Spring
- 15 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
- Select 1: 3 hrs
  - SPC 1603 Fundamentals of Technical Presentations or 3 hrs
  - SPC 1608 Fundamentals of Oral Communication 3 hrs

Sophomore Year - Fall
- 13 hrs
- MAP 2302 Differential Equations 3 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs
- EGN 3310 Engineering Analysis-Statics 3 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs

Sophomore Year - Spring
- 12 hrs
- EGN 3321 Engineering Analysis-Dynamics 3 hrs
- EGN 3343 Thermodynamics 3 hrs
- EGN 3373 Principles of Electrical Engineering 3 hrs
- EGN 3601 Solid Mechanics 3 hrs

Sophomore Year - Summer
- 9 hrs
- GEP 3 hrs
- GEP 3 hrs
- Select 1: 3 hrs
  - ECO 2013 Principles of Macroeconomics or 3 hrs
  - ECO 2023 Principles of Microeconomics 3 hrs

Junior Year - Fall
- 15 hrs
- EML 3034C Modeling Methods in Mechanical and 3 hrs
  - Aerospace Engineering
- EAS 3010 Fundamentals of Aerospace Flight 3 hrs
- EAS 3800C Aerospace Engineering Measurements 3 hrs
- EAS 4200 Flight Structures 3 hrs
- 1 EAS 3530 Space Systems Concepts 3 hrs
- EAS 3990 Aerospace Career and Academic Faculty 0 hrs

Select 1: 3 hrs
- EAS 3530 or 3 hrs
- 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
- EML 4312C Feedback Control 3 hrs
- EAS 4105 Flight Mechanics 3 hrs
- EAS 4134 High-Speed Aerodynamics 3 hrs
- EAS 4991 Aerospace Career and Academic Faculty 0 hrs

Select 1: 3 hrs
- EAS 4700C or 3 hrs
- EGN 4412C Interdisciplinary Design I 3 hrs

Senior Year - Spring
- 15 hrs
- EAS 4300 Aerothermodynamics of Propulsion 3 hrs
- Systems
- Upper Division Elective 3 hrs
- 1 EAS 4505 Orbital Mechanics 3 hrs

Select 1: 3 hrs
- EAS 4710C 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.oas.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term
UCF Degree Programs

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
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: 3 hrs
   Suggested MGF 1106 Finite Mathematics or MGF 1107 Finite Explorations in Mathematics
   You may substitute a higher level math with appropriate scores on the Math Placement Exam.

2. Common Program Prerequisites (CPP)
   - See Transfers 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 2140 Archaeology and the Rise of Human Culture GEP
   ANT 2410 Cultural Anthropology GEP
   ANT 2511 The Human Species GEP

4. Core Requirements: Advanced Level (12 hrs)
   ANT 3145 Archaeology of Complex Societies GEP
   ANT 3610 Language and Culture GEP
   ANT 4034 History of Anthropological Thought GEP
   ANT 4586 Human Origins GEP

5. Restricted Electives (21 hrs)
   Area Study 3 hrs
   - Select at least one of the following courses:
     ANT 3158 Florida Archaeology 3 hrs
     ANT 3163 Mesoamerican Archaeology 3 hrs
     ANT 3168 Maya Archaeology 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).

   1. ANT 3111 Indians of the Southeastern United States 3 hrs
   2. ANT 3122 Ethnology of North American Indians 3 hrs
   3. ANT 3133 Indians of North America High Plains 3 hrs
   4. ANT 3134 Indians of the Northeast Woodlands 3 hrs
   5. ANT 3135 Indians of the Northeast Coast 3 hrs
   6. ANT 3139 Anthropology of Diaspora 3 hrs
   7. ANT 4332 People and Cultures of Latin America 3 hrs
   8. ANT 3148 Life and Death in Ancient Egypt 3 hrs
   9. ANT 3144 Prehistory of North America 3 hrs
   10. ANT 4153 North American Archaeology 3 hrs
   11. ANT 4352 African Societies and Cultures 3 hrs
   12. ANT 4354 Postcolonial Africa 3 hrs
   13. ANT 4308 Gender Issues in Latin America 3 hrs
   14. ANT 3164 Ancient Incas 3 hrs
   15. ANT 4340 Caribbean Cultures 3 hrs
   16. ANT 3160 Americas Before Columbus 3 hrs
   17. ANT 3161 Archaeology of Mexico 3 hrs
   18. ANT 3165 Archaeology of South America 3 hrs
   19. ANT 3152 Indians of the Southwest 3 hrs
   20. ANT 3344 Puerto Rican Culture 3 hrs
   21. ANT 3362 Peoples of Southeast Asia 3 hrs

   1. Alternatively, you may select the 5000 level equivalent, but not both.

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 Foreign Languages and Literatures or Judaic Studies, or two semesters equivalent of American Sign Language. Standardized examinations for foreign languages may be used to meet the requirement.

### 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 grade of “C” (2.0) or better in all courses used for the major.
- Students will be required to take a standard exit exam.
- 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
- 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

### 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 ANR 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.

<table>
<thead>
<tr>
<th>Freshman Year - Fall</th>
<th>Freshman Year - Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Sophomore Year - Fall</strong></td>
<td><strong>15 hrs</strong></td>
</tr>
<tr>
<td>ANT 2140</td>
<td>Archaeology and the Rise of Human Culture</td>
</tr>
<tr>
<td>ANT 2410</td>
<td>Cultural Anthropology</td>
</tr>
<tr>
<td>Free Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

| **Sophomore Year - Spring** | **15 hrs** |
| ANT 3610 | Language and Culture |
| Restricted Elective | 3 hrs |
| Free Elective | 3 hrs |
| GEP | 3 hrs |

| Junior Year - Fall | **15 hrs** |
| ANT 3145 | Archaeology of Complex Societies |
| Foreign Language | 4 hrs |
| Restricted Elective | 3 hrs |
| Elective / Minor | 2 hrs |
| Elective / Minor | 3 hrs |

| Senior Year - Spring | **15 hrs** |
| ANT 4034 | History of Anthropological Thought |
| Restricted Elective | 3 hrs |
| Free Elective | 3 hrs |
| Free 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.oelas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oelas.ucf.edu/alc/academic_learning_compacts.htm)

### Architecture (B.Des.)

#### College of Arts and Humanities

#### School of Visual Arts and Design

(This program is offered at UCF at the Valencia West Campus)

[http://architecture.ucf.edu/](http://architecture.ucf.edu/)

John Maudlin-Jeronimo, Program Director, 407-582-5419

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 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.
- Participate 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.
UCF Degree Programs

- 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 course work, 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)
   - 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).
   - ARCs 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
   - None

6. Capstone Requirements
   - None

7. Foreign Language Requirements

Admissions
- None

Graduation
- None

8. Electives (10 hrs)
   - Any 3000 or 4000 level course offered within the college.

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
- Public and Professional Writing

Related Minors
- Art - Studio
- Art History
- Cognitive Sciences
- Digital Media
- Film - Cinema Studies
- Humanities
- Philosophy
- English - Technical Communication
- Writing and Rhetoric

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.oeas.ucf.edu/aic/academic_learning_compacts.htm

Art - 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
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
- 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.
- 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)
   - Required  ARH 2050  History of Western Art I and ARH 2051 History of Western Art II 3 hrs
   - Select a course from group B.1 3 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 MAC 1105C College Algebra and COP 2500C Concepts in Computer Science 4 hrs

   **D: Social Foundations** (6 hrs)
   - Required  GRA 3803C Intermediate Computer Graphic Design 3 hrs

   **2. Common Program Prerequisites (CPP)** (18 hrs)

   1 ART 2201C  Art Interface 3 hrs
   1 ART 2203C  Design Fundamentals-Two Dimensional 3 hrs
   1 ART 2300C  Drawing Fundamentals I 3 hrs
   1 ART 2301C  Drawing Fundamentals II 3 hrs
   ARH 2050  History of Western Art I GEP
   ARH 2051 History of Western Art II GEP
   GRA 3112C  Intermediate Graphic Design II 3 hrs
   GRA 3110C  Advanced Graphic Design 3 hrs
   DIG 4780C  Modeling for Realtime Systems 3 hrs
   DIG 4797C  Special Problems in Graphic Design 3 hrs
   GRA 3202C  Type & Design 3 hrs

   **3. Core Requirements: Basic Level** (18 hrs)

   ART 2202C  Art Interface 3 hrs
   ARH 2500  History of Non-Western Art 3 hrs
   MAC 1105C  College Algebra GEP
   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

   **4. Core Requirements: Advanced Level** (12 hrs)

   ART 3950  Portfolio Review 0 hrs
   DIG 3024  Digital Cultures & Narrative 3 hrs
   DIG 3525  Digital Media Production I 3 hrs
   DIG 3480C  Computer as a Medium 3 hrs
   DIG 4780C  Modeling for Realtime Systems 3 hrs

   **5. Restricted Electives** (39 hrs)

   - Specializations
   - Graphic Design

   **Graphic Design**

   1 Graphic Design Basic Concentration - 18 hours
   GRA 3102C  Intermediate Graphic Design I 3 hrs
   GRA 3112C  Intermediate Graphic Design II 3 hrs
   GRA 3803C  Intermediate Computer Graphic Design 3 hrs
   GRA 4198C  Advanced Graphic Design 3 hrs
   GRA 4197C  Special Problems in Graphic Design 3 hrs
   GRA 3202C  Type & Design 3 hrs

   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 4326C  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 3555C  Artificial Environments and Effects 3 hrs
     - DIG 3433C  Visual Storytelling and Visual Development 3 hrs
     - DIG 4359C  Artificial Environments and Effects Workshop 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 3 hrs
     - DIG 4486C  Visual Language of Moving Image II 3 hrs
     - DIG 4451C  Visual Storytelling and Visual Development Workshop 3 hrs

   **Experimental Animation** 39 hrs

   - 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 4735C  Advanced Animation 3 hrs
     - FIL 4750C  Animation Workshop 3 hrs
   - Experimental Animation Restricted Electives - 18 hours

   Complete 18 hours of credits from the following areas: 18 hrs
   - 12 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
   - 6 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
UCF Degree Programs

1. UCF General Education Program (GEP) (36 hrs)

2. Common Program Prerequisites (CPP) (6 hrs)

3. Core Requirements: Basic Level (3 hrs)

4. Core Requirements: Advanced Level (15 hrs)

5. Restricted Electives (24 hrs)

6. Capstone Requirements

7. Foreign Language Requirements

Admissions

Graduation

Proficiency equivalent to three semesters of college instruction in a single foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. German, French or Italian preferred, although other languages are acceptable with prior consent of advisor.

Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives

Select primarily from upper level courses after meeting with a school art history advisor. Courses may be outside the department.

9. Additional Requirements

10. Required Minors

None

Art - 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
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)

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 STA 1060C Basic Statistics Using Microsoft Excel

1 Prefer MGF 1106 Finite Mathematics 3 hrs

1 may substitute a higher level math

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (6 hrs)

See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

ART 2201C Design Fundamentals-Two Dimensional 3 hrs

ART 2300C Drawing Fundamentals I 3 hrs

ARH 2050 History of Western Art I GEP

ARH 2051 History of Western Art II GEP

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 4540 Art of India 3 hrs

ARH 4653 Meso American Art 3 hrs

ARH 3520 African Art 3 hrs

One of the following courses: 3 hrs

ARH 4200 Medieval Art 3 hrs

ARH 4350 Baroque Art 3 hrs

ARH 4871 Women in Art 3 hrs

Select 18 additional hours from the following: 18 hrs

ARH 3471 Art in the Last 25 Years 3 hrs

ARH 3520 African Art 3 hrs

ARH 3610 American Art 3 hrs

ARH 3710 History of Photography I 3 hrs

ARH 3713 20th Century Photographic History 3 hrs

ARH 3720 History of Prints 3 hrs

ARH 4350 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 4150 Roman Art and Architecture 3 hrs

ARH 4200 Medieval Art 3 hrs

ARH 4352 Italian Baroque Art 3 hrs

ARH 3728 History of Illustration 3 hrs

ARH 3XXX-4XXX Additional Art History course 3 hrs

6. Capstone Requirements

None

7. Foreign Language Requirements

Admissions

Met by graduation requirement.

Graduation

Proficiency equivalent to three semesters of college instruction in a single foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. German, French or Italian preferred, although other languages are acceptable with prior consent of advisor.

Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives

Select primarily from upper level courses after meeting with a school art history advisor. Courses may be outside the department.

9. Additional Requirements

None

10. Required Minors

None
### Plan of Study

#### Acceptable Substitutes for Transfer Courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

#### 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.

#### Related Programs
- Art - Studio Art Track
- Art Education

### Honors In Major
- None

### 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:
  - STA 1000C Basic Statistics Using Microsoft Excel 3 hrs
  - GRA 2101C Introduction to Computer Art 3 hrs
  - ARH 3820 Visual Arts Administration Vitas 3 hrs

### 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

### Junior Year - Spring
- ARH 4430 19th Century Art 3 hrs
- ARH 4800 Theory and Criticism of the Visual Arts 3 hrs
- ARH 3711 History of Photography II 3 hrs
- SPN 2200 Intermediate Spanish Language and Civilization I 3 hrs
- Restricted Elective 3 hrs
- ARH 3713 20th Century Photographic History 3 hrs

### Senior Year - Fall
- ARH 4350 Baroque Art 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- ARH 4XXX 3 hrs

### Senior Year - Spring
- ARH 4170 Greek & Roman Art 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 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/alb/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alb/academic_learning_compacts.htm)

### Equipment Fees
- Part-Time Student: $31.50 per term
- Full-Time Student: $63 per term

### 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.
- 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.
UCF Degree Programs

1. UCF General Education Program (GEP) (36 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 ARH 2051 History of Western Art II 3 hrs
- Select a course from group B.1

C: Mathematical Foundations (6 hrs)
- Prefer STA 1080C Basic Statistics Using Microsoft Excel 3 hrs

Select 1:
- Prefer MGF 1106 Finite Mathematics or
- 1 Prefer MGF 1107 Explorations in Mathematics 3 hrs

1 (may substitute a higher level math)

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (18 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
- ARH 2050 History of Western Art I GEP 3 hrs
- ARH 2051 History of Western Art II GEP 3 hrs
- GRA 2101C Introduction to Computer Art 3 hrs

2101C

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 2500 History of Non-Western Art 3 hrs
- ART 2823 Art as Interface 3 hrs
- GRA 2101C Introduction to Computer Art CPP 3 hrs

4. Core Requirements: Advanced Level (6 hrs)
- ART 3950 Portfolio Review 0 hrs

5. Restricted Electives (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 3176C The Illuminated Book or 3 hrs
- ART 3175C Advanced Issues in Contemporary Book Arts or 3 hrs
- ART 3170C Book Binding or 3 hrs
- ART 3171C Materials for Artist Books or 3 hrs
- ART 3737C Narrative Sculpture or 3 hrs
- ART 4172C Book Repair and Restoration or 3 hrs
- ART 4644C Books Without Books or 3 hrs
- ART 4177C Commercial Book Design and Publishing or 3 hrs
- ART 4173C The Artist Book or 3 hrs
- ART 4174C The Printed Book 3 hrs

Ceramics
- ART 3761C Intermediate Ceramics or 3 hrs
- ART 3764C Ceramic Handbuilding I or 3 hrs
- 1 ART 4763C Advanced Ceramics 3 hrs

Drawing
- ART 3322C Intermediate Drawing or 3 hrs
- 1 ART 4320C Advanced Drawing or 3 hrs

Drawing/Printmaking Combination
- ART 3322C Intermediate Drawing or 3 hrs
- 1 ART 4320C Advanced Drawing or 3 hrs
- ART 3433C Screenprinting or 3 hrs
- 1 ART 4420C Advanced Printmaking 3 hrs

Drawing/Illustration Combination
- ART 3322C Intermediate Drawing or 3 hrs
- 1 ART 4320C Advanced Drawing or 3 hrs
- GRA 3747 Intermediate Illustration I or 3 hrs
- 1 GRA 4194C 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 4420C Advanced Photography or 3 hrs
- PGY 4440C Special Problems in Photography 3 hrs

Sculpture
- 1 ART 4710C Advanced Sculpture 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.

   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
- None

7. Foreign Language Requirements
- None

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
- None

10. Required Minors
- None

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.
- 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 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 - History Track
- Art Education
- Art - Emerging Media Track
- Art - Visual Arts and Emerging Media Management Track

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.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 - 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
Donna Mercado, 407-823-1708

Note: Although the School maintains a computer lab for student use, students must have continual access to a laptop computer. Contact the School for the minimum hardware and software specifications. The School affirms that a theoretical and practical 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.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)
- Required: GRA 2101C

B: Cultural & Historical Foundations (9 hrs)
- Required: ART 2301C
- Select a course from 1.B.1 List

C: Mathematical Foundations (6 hrs)
- Preferred: MGF 1106
- Preferred: STA 1060C

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (18 hrs)
- Select a course from 1.B.1 List
- Required: ARH 2050

3. Core Requirements: Basic Level (6 hrs)
- Select nine upper division courses in three areas:

4. Core Requirements: Advanced Level

5. Restricted Electives (27 hrs)

Equipment Fees
- Part-Time Student: $31.50 per term
- Full-Time Student: $63.00 per term

Art History
- Any upper level ARH course

Book Arts
- ART 3170C Bookbinding
- ART 3171C Materials for Artist Books
- ART 3175C Advanced Issues in Contemporary Book Arts
- ART 3176C The Illuminated Book
- ART 3737C Narrative Sculpture
- ART 4172C Book Repair and Restoration
- ART 4173C The Artist Book
- ART 4174C The Printed Book
- ART 4177C Commercial Book Design and Publishing

Drawing and Printmaking
- ART 3322C Intermediate Drawing
- ART 3433C Screenprinting
- ART 4320C Advanced Drawing
- ART 4402C Advanced Printmaking

Illustration
- GRA 3747 Intermediate Illustration I
- ART 4154C Advanced Illustration

Painting
- ART 3504C Intermediate Painting
- ART 4505C Advanced Painting

Photography
- PGY 2401C Beginning Photography
- PGY 4420C Advanced Photography
- PGY 4440C Special Problems in Photography

Sculpture
- ART 2701C Sculpture
- ART 4710C Advanced Sculpture

Type and Design
- GRA 3202C Type & Design

6. Capstone Requirements

7. Foreign Language Requirements

Admissions
- Met by graduation requirement.
UCF Degree Programs

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.

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.)

Additional Requirements
- None

Required Minors
- None

Departmental Exit Requirements
- Achieve at least a GPA (2.0) overall in courses within the major.
- Computer Competency met by:
  - STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
  - GRA 2101C Introduction to Computer Art 3 hrs

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 Education
- Art - Emerging Media Track
- Art - Visual Arts and Emerging Media Management Track

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:

Plan of Study

Freshman Year - Fall
- 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
- ART 2823 Art as Interface 3 hrs

Freshman Year - Spring
- ARH 2051 History of Western Art II 3 hrs
- ENC 1102 Composition II 3 hrs
- STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
- ART 2201C Design Fundamentals-Two Dimensional 3 hrs
- Restricted Elective 3 hrs

Sophomore Year - Fall
- COM 1000 Introduction to Communication 3 hrs
- POS 2041 American National Government 3 hrs
- ART 2203C Design Fundamentals-Two Dimensional 3 hrs
- ART 2300C Drawing Fundamentals I 3 hrs
- GRA 2101C Introduction to Computer Art 3 hrs

Sophomore Year - Spring
- ANT 2000 General Anthropology 3 hrs
- BSC 1005 Biological Principles 3 hrs
- CHM 1020 Concepts in Chemistry 3 hrs
- ART 2301C Drawing Fundamentals II 3 hrs
- ARH 2500 History of Non-Western Art 3 hrs
- ART 3950 Portfolio Review 0 hrs

Junior Year - Fall
- ART 3332C Intermediate Drawing 3 hrs
- GRA 3747 Intermediate Illustration I 3 hrs
- 1 SPN 1120C Elementary Spanish Language and Civilization I 4 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Junior Year - Spring
- ART 3161 Mixed Media 3 hrs
- ART 4320C Advanced Drawing 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- 1 SPN 1121C Elementary Spanish Language and Civilization II 4 hrs

1 Any language at this level is acceptable.

Senior Year - Fall
- ARH 4350 Baroque Art 3 hrs
- ART 4320C Advanced Drawing 3 hrs
- PGY 3410C Intermediate Photography 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Senior Year - Spring
- ARH 4430 19th Century Art 3 hrs
- GRA 4154C Advanced Illustration 3 hrs
- PGY 4420C Advanced Photography 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

Equipment Fees
- Part-Time Student: $31.50 per term
- Full-Time Student: $63.00 per term

Art - Visual Arts and Emerging Media Management Track (B.A.)
College of Arts and Humanities
School of Visual Arts and Design
http://svad.cah.ucf.edu
407-823-2576

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.
Aesthetics and Theory 6 hrs

American Studies 3 hrs

Arts Management 3 hrs

Arts Administration 3 hrs

Arts - Studio Art Track 3 hrs

Arts - History Track 3 hrs

Business 3 hrs

Select 1: 3 hrs

1 GEB 3113 How to Start a Business or

1 MAR 3023 Marketing or

1 MAN 3025 Management of Organizations or

1 BUL 3130 Legal and Ethical Environment of Business 4 hrs

1 These courses may also be applied toward an 18 credit Minor in Technical Entrepreneurship

8. Electives

■ Met by graduation requirement

■ 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.

■ 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

■ 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 - History Track

■ Art - Studio Art 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.

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)

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

Take all of the following:

Select 2: 6 hrs

Suggested ARH 2050 History of Western Art I and

Suggested ARH 2051 History of Western Art II

Select a course from group B.1 or B.2

2. Common Program Prerequisites (CPP) (18 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

ARH 2050 History of Western Art I GEP

ARH 2051 History of Western Art II GEP

1 GRA 2101C Introduction to Computer Art 3 hrs

ART 2XXX-4XXX Any ART prefix, studio, or media course 3 hrs

Prefer MGF 1106 Finite Mathematics 3 hrs

1 Prefer STA 1060C Basic Statistics Using Microsoft Excel

1 (may substitute a higher level math)

3. Core Requirements: Basic Level (6 hrs)

ART 2823 Art as Interface 3 hrs

ARH 2050 History of Western Art I 3 hrs

Suggested ARH 2051 History of Western Art II 3 hrs

1 Prefer BUL 3130 Legal and Ethical Environment of Business 3 hrs

4. Core Requirements: Advanced Level (3 hrs)

GEB 3031 Cornerstone: Professional Skills for Business 3 hrs

ART 3950 Portfolio Review 0 hrs

1 Select a course from group B.1 or B.2 3 hrs

5. Restricted Electives (21 hrs)

Select restricted electives as required from each of these four areas of emphasis:

Aesthetics and Theory 6 hrs

Select 2: 6 hrs

ARH 4450 20th Century Art or 3 hrs

ARH 3471 Art in the Last 25 Years or 3 hrs

ARH 3710 History of Photography I or 3 hrs

ARH 3711 History of Photography II or 3 hrs

ARH 3720 History of Prints or 3 hrs

ARH 4800 Theory and Criticism of the Visual Arts or 3 hrs

PHI 3000 Aesthetics or 3 hrs

FIL 3941 History of Animated Films I or 3 hrs

FIL 4042 History of Animated Films II 3 hrs

Written Communication 3 hrs

Select 1: 3 hrs

DIG 3024 Digital Cultures & Narrative or 3 hrs

ENC 3241 Writing for the Technical Professional or 3 hrs

ENC 3250 Professional Writing or 3 hrs

ENC 3311 Advanced Expository Writing 3 hrs

Information Management 6 hrs

Select 2: 6 hrs

1 DIG 3525 Digital Media Production I or 3 hrs

1 DIG 3480C Computer as a Medium or 3 hrs

1 DIG 3563 Information Management and Entrepreneurship or 3 hrs

DIG 3716C Internet Interaction or 3 hrs

DIG 4630C Media Business Practices or 3 hrs

DIG 5665C Digital Asset Management Systems 3 hrs

1 These courses may also be applied toward an 18 credit Minor in Technological Entrepreneurship
## UCF Degree Programs

### 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
- 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
- ART 2823: Art as Interface 3 hrs
- **Total:** 15 hrs

#### Freshman Year - Spring
- ARH 2051: History of Western Art II 3 hrs
- ENC 1102: Composition II 3 hrs
- STA 1060C: Basic Statistics Using Microsoft Excel 3 hrs
- ART 2201C: Design Fundamentals-Two Dimensional 3 hrs
- **Total:** 15 hrs

#### Sophomore Year - Fall
- COM 1000: Introduction to Communication 3 hrs
- POS 2041: American National Government 3 hrs
- ART 2203C: Design Fundamentals-Three Dimensional 3 hrs
- ART 2300C: Drawing Fundamentals I 3 hrs
- GRA 2101C: Introduction to Computer Art 3 hrs
- **Total:** 15 hrs

#### Sophomore Year - Spring
- ANT 2000: General Anthropology 3 hrs
- BSC 1005: Biological Principles 3 hrs
- CHM 1020: Concepts in Chemistry 3 hrs
- ART 2301C: Design Fundamentals-Three Dimensional 3 hrs
- ARH 2500: History of Non-Western Art 3 hrs
- ART 3950: Portfolio Review 0 hrs
- **Total:** 15 hrs

#### Junior Year - Fall
- GEB 3031: Cornerstone: Professional Skills for Business 3 hrs
- SPN 1120C: Elementary Spanish Language and Civilization I 4 hrs
- Restricted Elective 3 hrs
- Supporting Elective 1 hr
- Supporting Elective 3 hrs
- **Total:** 15 hrs

#### Junior Year - Spring
- SPN 1121C: Elementary Spanish Language and Civilization II 4 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs
- Supporting Elective 3 hrs
- **Total:** 16 hrs

#### Senior Year - Fall
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs
- Supporting Elective 3 hrs
- Supporting Elective 3 hrs
- **Total:** 15 hrs

#### Senior Year - Spring
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs
- Supporting Elective 3 hrs
- Supporting Elective 3 hrs
- **Total:** 15 hrs

### Equipment Fees
- Full-Time Student: $63 per term
- Part-Time Student: $31.50 per term

### 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)

### Art Education (B.S.)

#### College of Education

**School of Teaching, Learning, and Leadership, Education Building, Room: 209**

http://education.ucf.edu/arted

Dr. Thomas Brewer, ED 122U, tbrewer@mail.ucf.edu, 407-823-3714
Dr. Janet Andreassen, ED 123Q, jandreassen@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)
   - Required AMH 2010: U.S. History: 1492-1877 3 hrs
   - Required AMH 2020: U.S. History: 1877-Present 3 hrs
   - Prefer ARH 2050: History of Western Art I 3 hrs
   - **Total:** 18 hrs

   **C: Mathematical Foundations** (6 hrs)
   - Required MGF 1106: Finite Mathematics 3 hrs
   - **Total:** 6 hrs

   **D: Social Foundations** (6 hrs)
   - Required POS 2041: American National Government 3 hrs
   - Required PSY 2012: General Psychology 3 hrs
   - **Total:** 6 hrs

   **E: Science Foundations** (6 hrs)
   - Required PSC 1121: Physical Science 3 hrs
   - **Total:** 6 hrs
Select 1:

- 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
- EDF 2005′ Introduction to Diversity for Educators 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs

In addition to this course, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

3. Core Requirements: Basic Level (30 hrs)

- ARH 2050 History of Western Art I GEP 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
- GRA 2101C Introduction to Computer Art 3 hrs
- ART 2744C Beginning Ceramics 3 hrs
- ART 2705C Beginning Painting 3 hrs
- ART 2400C Beginning Printmaking 3 hrs
- PGY 2401C Beginning Photography 3 hrs

4. Core Requirements: Advanced Level (30 hrs)

- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs

Internship I 3 hrs

- Prior to Internship I, the student must have completed EDG 4410 Teaching Strategies and Classroom Management and at least 50% of all required art 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 Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.
- Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/
- 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/
- ARE 3940 Internship 3 hrs

Specialization Requirements 12 hrs

- ARE 4356 Teaching Art Appreciation & Criticism in the Classroom 3 hrs
- ARE 4351 Teaching Art in the Elementary School 3 hrs
- ARE 4352 Teaching Art in the Secondary School 3 hrs
- ARE 4250 Art for Exceptionalities 3 hrs

5. Restricted Electives (9 hrs)

- 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 art courses and all methods courses must be completed with a letter grade of “C-” (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization, and overall for admission to Internship II.
- 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.
- ARE 4941 Internship 12 hrs

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 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

- 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 website at http://education.ucf.edu/arted/ for the advising policy.

Freshman Year - Fall 15 hrs

- AMH 2010 U.S. History: 1492-1877 3 hrs
- ENC 1101 Composition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- ARH 2050 History of Western Art I 3 hrs
- PSY 2012 General Psychology 3 hrs
Athletic Training (B.S.)

Department of Health and Public Affairs
College of Health and Public Affairs II, Room: 208

E-mail: atinfo@mail.ucf.edu

Kristen C. Schellhase
407-823-2747

Admission Requirements

- Students may only begin the athletic training program track in the Summer B semester and must have:
  - 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.
  - Acceptance into the University does not constitute admission into the Program in Athletic Training.
  - 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 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.

- 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 Athletic Training pending and are admitted to the program must adopt the most current catalog

- Students should complete the General Education Program, Admission Foreign Language requirement and the Common Program Prerequisites before transferring within the Florida Public University/Community College System.

- Students should consult with a departmental advisor.

- Accepted students must agree to be available for practicum requirements which may occur during times and days which are outside of the UCF Academic Calendar; once admitted into the Program in Athletic Training, students must consult the Clinical Education Coordinator and/or Program Director well in advance of any potential scheduling conflicts.

- 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

1. **UCF General Education Program (GEP)** (38 hrs)

   **A: Communication Foundations** (9 hrs)
   - Suggested: SPC 1608 Fundamentals of Oral Communication

   **B: Cultural & Historical Foundations** (9 hrs)
   - Required: STA 2023 Statistical Methods I
   - Required: MAC 1114 College Trigonometry

   **C: Mathematical Foundations** (6 hrs)
   - Required: STA 2023 Statistical Methods I
   - Required: MAC 1114 College Trigonometry

   **D: Social Foundations** (6 hrs)
   - Suggested: POS 2041 American National Government
   - Required: PSY 2012 General Psychology

   **E: Science Foundations** (8 hrs)
   - Required: BSC 2010C Biology I
   - Suggested: CHM 2045C Chemistry Fundamentals I

2. **Common Program Prerequisites (CPP)** (15 hrs)

   - The following courses are required before entering the professional phase of the Program in Athletic Training. Each of the required courses must have a grade of “C” (2.0) or better.

   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

   - **Select 1:** 4 hrs
   - One of the following courses must be taken as a prerequisite or corequisite to core courses.

3. **Core Requirements: Basic Level**

4. **Core Requirements: Advanced Level** (62 hrs)

   **Professional Phase**

   - The following courses are required to complete the professional phase of the Program in Athletic Training. Each of the required courses must have a grade of “C” (2.0) or better.

   - **ATR 4014C Introduction to Athletic Training** 3 hrs
   - **ATR 3102 Principles of Athletic Training** 3 hrs
   - **ATR 3012C Clinical Skills for Athletic Trainers I** 2 hrs
   - **ATR 3812L Practicum in Athletic Training I** 4 hrs
   - **HSC 3147 Introduction to Pharmacology** 3 hrs
   - **ATR 3212C Recognition and Evaluation of Athletic Injuries I** 3 hrs
   - **PET 4315C Biomechanics of Sport** 3 hrs
   - **ATR 3822L Practicum in Athletic Training II** 4 hrs
   - **ATR 4213C Recognition and Evaluation of Athletic Injuries II** 3 hrs
   - **ATR 3013C Clinical Skills for Athletic Training II** 2 hrs
   - **ATR 4313C Therapeutic Exercise in Athletic Training** 4 hrs
   - **ATR 4322C Therapeutic Modalities in Athletic Training** 4 hrs
   - **ATR 4512C Organization and Administration of Athletic Training** 3 hrs
   - **PET 3510C Physiologic & Metabolic Basis of Human Movement & Performance** 3 hrs
   - **ATR 4315C Advanced Rehabilitation in Athletic Training** 3 hrs
   - **ATR 4632L Practicum in Athletic Training III** 4 hrs
   - **PET 4606 Applied Fitness in Sport** 3 hrs
   - **ATR 4842L Practicum in Athletic Training IV** 4 hrs
   - **ATR 4103** Sports Medicine Field Application 3 hrs
   - **ATR 4933** Athletic Training Seminar 1 hr

5. **Restricted Electives**

6. **Capstone Requirements**

7. **Foreign Language Requirements**

   - **Admissions**
     - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

   - **Graduation**

8. **Electives**

   - Suggested electives relate to Health Sciences, Business, Education, Health Services Administration, Health Informatics and Information Management, Psychology, and Sport & Fitness.

9. **Additional Requirements**

10. **Required Minors**

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
   - 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

#### Honors In Major
- None

#### Related Programs
- Sport and Exercise Science
- Health Services Administration
- Health Informatics and Information Management
- Health Sciences - Pre-Clinical Track

#### Certificates
- None

#### Related Minors
- Courses leading to a teaching certificate (education) are also appropriate.
- Electives in advanced scientific, clinical or quantitative subjects are also advisable.

#### Advising 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)

#### Plan of Study

**Freshman Year - Fall**
- ENC 1101: Composition I 3 hrs
- PSY 2012: General Psychology 3 hrs
- HSC 2000: Introduction to the Allied Health Professions 2 hrs
- MAC 1105C: College Algebra 3 hrs
- CHM 2045C: Chemistry Fundamentals I 4 hrs

**Freshman Year - Spring**
- ENC 1102: Composition II 3 hrs
- POS 2041: American National Government 3 hrs
- BSC 2010C: Biology I 4 hrs
- MAC 1114: College Trigonometry 3 hrs

**Sophomore Year - Fall**
- PHY 2053C: College Physics I 4 hrs
- ZOO 3733C: Human Anatomy 4 hrs
- STA 2023: Statistical Methods I 3 hrs

**Select 1:**
- EUH 2000: Western Civilization I or 3 hrs
- HUM 2210: Humanistic Tradition I or 3 hrs
- AMH 2010: U.S. History: 1492-1877 or 3 hrs
- WOH 2012: World Civilization I 3 hrs

**Sophomore Year - Spring**
- HUN 2002: Modern Concepts in Nutrition 3 hrs
- PCB 2703C: Human Physiology 4 hrs
- SPC 1608: Fundamentals of Oral Communication 3 hrs

**Select 1:**
- MUL 2010: Enjoyment of Music or 3 hrs
- REL 2300: World Religions or 3 hrs
- THE 2000: Theatre Survey or 3 hrs
- PHI 2010: Introduction to Philosophy 3 hrs

**Select 1:**
- EUH 2001: Western Civilization II or 3 hrs
- HUM 2230: Humanistic Tradition II or 3 hrs
- AMH 2020: U.S. History: 1877-Present or 3 hrs
- WOH 2022: World Civilization II 3 hrs

**Sophomore Year - Summer**
- ATR 4014C: Introduction to Athletic Training 3 hrs
- ATR 3102: Principles of Athletic Training 3 hrs
- 1 Foreign Language 4 hrs

1 If not satisfied in high school

**Junior Year - Fall**
- ATR 3812L: Practicum in Athletic Training I 4 hrs
- ATR 3012C: Clinical Skills for Athletic Trainers I 2 hrs
- HSC 3147: Introduction to Pharmacology 3 hrs
- ATR 3212C: Recognition and Evaluation of Athletic Injuries I 3 hrs
- 1 Free Elective 3 hrs

1 As needed to meet 120 hrs of university exit requirements.

**Junior Year - Spring**
- PET 4315C: Biomechanics of Sport 3 hrs
- ATR 3822L: Practicum in Athletic Training II 4 hrs
- ATR 4213C: Recognition and Evaluation of Athletic Injuries II 3 hrs
- ATR 3013C: Clinical Skills for Athletic Training II 2 hrs
- 1 Free Elective 3 hrs

1 As needed to meet 120 hrs of university exit requirements.

**Senior Year - Summer**
- ATR 4313C: Therapeutic Exercise in Athletic Training 4 hrs
- ATR 4302C: Therapeutic Modalities in Athletic Training 4 hrs

**Senior Year - Fall**
- ATR 4512C: Organization and Administration of Athletic Training 3 hrs
- PET 3510C: Physiologic & Metabolic Basis of Human Movement & Performance 3 hrs
- ATR 4315C: Advanced Rehabilitation in Athletic Training 3 hrs
- ATR 4832L: Practicum in Athletic Training III 4 hrs

**Senior Year - Spring**
- ATR 4933: Athletic Training Seminar 1 hr
- PET 4806: Applied Fitness in Sport 3 hrs
- ATR 4842L: Practicum in Athletic Training IV 4 hrs
- ATR 4103: Sports Medicine Field Application 3 hrs
- 1 Free Elective 3 hrs

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.oes.ucf.edu/alc/academic_learning_comparts.htm](http://www.oes.ucf.edu/alc/academic_learning_comparts.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](http://www.cos.ucf.edu/biology)

**E-mail:** biology@ucf.edu

Frank Logiudice
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 (Common Program Prerequisites) and (Core Requirements) are usually completed in the first 60 hours.

No more than 4 hours of Independent Study, Directed Research, or the following 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 included 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 and Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)
- Mathematics: 3 hrs
  - 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:
- Prior to enrolling in CHM 2045C, take Chemistry Placement Test. Instructions are at http://chemplacement.sdes.ucf.edu
- A one semester course for students with a strong chemistry background and a high Chemistry Placement score:
  - Required CHM 2045C Chemistry Fundamentals I 4 hrs
  - or - Students with little chemistry background should take this two semester equivalent instead.
    - Required CHM 2040 Chemistry Fundamentals IA and 3 hrs
    - and
    - Required CHM 2041 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 GEP
- CHM 2045C Chemistry Fundamentals I GEP
- CHM 2046 Chemistry Fundamentals II GEP
- 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 GEP
- MAC 2311 Calculus with Analytic Geometry I GEP

Select one of the following sequences of courses:

- NOTE: These courses are considered to be equivalents:
  - CHM 2045C Chemistry Fundamentals I GEP
  - CHM 2040 Chemistry Fundamentals IA and GEP
  - CHM 2041 Chemistry Fundamentals IB GEP

Complete one entire physics sequence:

- PHY 2049C Physics for Engineers & Scientists I and 4 hrs
- PHY 2049C Physics for Engineers & 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 via petition.
- Transferred courses must be at a 3000 level or higher, and be evaluated by the undergraduate program coordinator, in order to count as an Upper Division Restricted Elective.
- Courses at the 5000 level are only open to seniors and beginning graduate students.

Form/Function

Complete a minimum of one lecture course from this group.

- BCH 4053 Biochemistry I or 3 hrs
- BCH 4054 Biochemistry II or 3 hrs
- BOT 4223C Plant Anatomy or 4 hrs
- BOT 4303C Plant Kingdom or 5 hrs
- BOT 4503 Plant Physiology or 3 hrs
- BSC 4101 History of Biology or 3 hrs
- BSC 4454 Research in Animal Physiology or 2 hrs
- PCB 3024L Molecular Cell Biology Laboratory or 2 hrs
- PCB 3063L Genetics Laboratory I and 1 hr
- PCB 3233 Immunology or 3 hrs
- PCB 3703C Human Physiology or 4 hrs
- PCB 4514 Genetics II or 3 hrs
- PCB 4524 Molecular Biology II or 3 hrs
- PCB 4678 Evolution and Medicine or 3 hrs
- PCB 4683L Evolutionary Biology Lab or 1 hr
- PCB 4684 Population Genetics or 3 hrs
- PCB 4723 Animal Physiology or 4 hrs
- PCB 5665C Human Genetics or 4 hrs
- PCB 5935 Population Genetics or 3 hrs
- ZOO 3713C Comparative Vertebrate Anatomy or 5 hrs
# UCF Degree Programs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZOO 3733C</td>
<td>Human Anatomy or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>3 ZOO 4603C</td>
<td>Embryology/Development or</td>
<td>5 hrs</td>
</tr>
<tr>
<td>ZOO 4753C</td>
<td>Vertebrate Histology</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

1. Fulfills Botany requirement. Offered in Biology department.
2. Offered in Biology department.
3. Fulfills Zoology requirement. Offered in Biology department.

## Environmental

### Complete a minimum of one lecture course from this group.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 BOT 3018C</td>
<td>Culinary Botany Across the Cultures or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 BOT 3152C</td>
<td>Local Flora or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 BOT 3802</td>
<td>Ethnobotany or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 BOT 4156C</td>
<td>Florida Wildflowers or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>1 BOT 4686C</td>
<td>Conservation and Management of Native Plants or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>1 BOT 4850</td>
<td>Medicinal Botany or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>2 PCB 4312C</td>
<td>Marine Biology or</td>
<td>4 hrs</td>
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<td>2 PCB 4330</td>
<td>Invasion Biology or</td>
<td>3 hrs</td>
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<tr>
<td>2 PCB 5288L</td>
<td>Tropical Biology Research and Conservation or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>2 BSC 5824</td>
<td>Biogeography or</td>
<td>4 hrs</td>
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<tr>
<td>2 PCB 3044L</td>
<td>Principles of Ecology Laboratory or</td>
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<td>2 PCB 3304C</td>
<td>River Ecology or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>2 PCB 3355C</td>
<td>Tropical Marine Biology or</td>
<td>2 hrs</td>
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<td>2 PCB 3442</td>
<td>Aquatic Ecology or</td>
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<td>2 PCB 5326C</td>
<td>Ecosystems of Florida or</td>
<td>5 hrs</td>
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<tr>
<td>2 PCB 5435C</td>
<td>Marine Ecology of Florida or</td>
<td>4 hrs</td>
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<td>2 PCB 5485</td>
<td>Models in Ecology or</td>
<td>3 hrs</td>
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<tr>
<td>2 PAZ 4234</td>
<td>Zoo and Aquarium Management or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>2 ZOO 4513</td>
<td>Animal Behavior</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BOT 4434C</td>
<td>General Mycology or</td>
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</tr>
<tr>
<td>1 BOT 4713C</td>
<td>Plant Taxonomy or</td>
<td>5 hrs</td>
</tr>
<tr>
<td>1 BOT 5485C</td>
<td>Terrestrial Cryptogams or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>2 ENY 4004C</td>
<td>General Entomology or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>2 ENY 5006C</td>
<td>Entomology or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MCB 3020C</td>
<td>General Microbiology or</td>
<td>5 hrs</td>
</tr>
<tr>
<td>2 ZOO 4800C</td>
<td>Biology and Ecology of Metazoan</td>
<td>4 hrs</td>
</tr>
<tr>
<td>4205C</td>
<td>Invertebrates or</td>
<td>4 hrs</td>
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<tr>
<td>2 ZOO 4310C</td>
<td>Vertebrate Evolution &amp; Ecology or</td>
<td>4 hrs</td>
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<td>2 ZOO 4480</td>
<td>Mammalogy or</td>
<td>4 hrs</td>
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<td>2 ZOO 4364C</td>
<td>Ichthyology or</td>
<td>4 hrs</td>
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<td>ZOO 4566</td>
<td>Herpetology or</td>
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<tr>
<td>5463C</td>
<td>Field Ornithology</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

1. Fulfills Botany requirement. Offered in Biology department.
2. Fulfills Zoology requirement. Offered in Biology department.

## Capstone Requirements

- None

## 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

## Electives

- Select primarily from upper level courses after consulting with your departmental advisor. May be outside of the department.

## Additional Requirements

- None

## Required Minors

- None

## 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.

- 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.

## 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

## Certificates

- None

## Related Minors

- Biology
- Environmental Studies
- Biomedical Sciences

## Advising Notes

- Students are urged to contact their departmental advisor before registering for courses.
- It is the student’s responsibility to ensure they have satisfied course prerequisites before registering for a class.

## Transfer Notes

- Lower Division courses 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.

## 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 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 CHM 2045C, take Chemistry Placement Test. Instructions are at http://chemplacement.sdes.ucf.edu/
- Prior to enrolling in Math, take Math Placement Test at http://mathplacement.sdes.ucf.edu/

## Freshman Year - Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tr>
<td>BSC 2010C</td>
<td>Biology I</td>
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<td>ENC 1101</td>
<td>Composition I</td>
<td>3 hrs</td>
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<tr>
<td>CHM 2045C</td>
<td>Chemistry Fundamentals I</td>
<td>4 hrs</td>
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<tr>
<td>Math Course</td>
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<td>Year</td>
<td>Fall</td>
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<td>ENC 1102 Composition II</td>
<td>14 hrs</td>
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<td>BSC 2011C Biology II</td>
<td>3 hrs</td>
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<tr>
<td></td>
<td>CHM 2046 Chemistry Fundamentals I</td>
<td>4 hrs</td>
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<tr>
<td></td>
<td>CHM 2046L Chemistry Fundamentals Laboratory</td>
<td>3 hrs</td>
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<td></td>
<td>Free Elective</td>
<td>1 hr</td>
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<tr>
<td>Sophomore</td>
<td>MAC 2311 Calculus with Analytic Geometry I</td>
<td>14 hrs</td>
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<td></td>
<td>STA 2023 Statistical Methods I</td>
<td>3 hrs</td>
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<td></td>
<td>CHM 2210 Organic Chemistry I</td>
<td>3 hrs</td>
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<tr>
<td></td>
<td>PCB 3044 Principles of Ecology</td>
<td>3 hrs</td>
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<td>Junior</td>
<td>PHY 2053C College Physics I</td>
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<td>PCB 3023 Molecular Cell Biology</td>
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<td></td>
<td>Free Elective</td>
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<tr>
<td>Senior</td>
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<td>16 hrs</td>
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<td></td>
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<td></td>
<td>Free Elective</td>
<td>3 hrs</td>
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<tr>
<td>Senior</td>
<td>CHM 2211L Organic Laboratory Techniques I</td>
<td>15 hrs</td>
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<tr>
<td></td>
<td>GEP</td>
<td>3 hrs</td>
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1. UCF General Education Program (GEP)

   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: 4 hrs

2. 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:

   - A one semester course for students with a strong chemistry background and a high Chemistry Placement score
   - Required CHM 2045C Chemistry Fundamentals I 4 hrs

   or - Students with little chemistry background should take this two semester equivalent instead.
   - Required CHM 2040 Chemistry Fundamentals IA 3 hrs
   - Required CHM 2041 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 courses listed below.

   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
   STA 2023 Statistical Methods I GEP

   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.

   For more information about admission, see the College of Natural and Health Sciences. 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 regularly scheduled 3000-4000 level courses taken from the UCF Biology Department.

   Program Academic Learning Compacts
   - Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.cos.ucf.edu/alc/academic_learning_compacts.htm

   Equipment Fees
   - Part-Time Student: $19 per term
   - Full-Time Student: $38 per term

   Biology - Preprofessional Concentration (B.S.)

   College of Sciences

   Department of Biology, Biology, Room: 301

   http://www.cos.ucf.edu/biology

   E-mail: biology@ucf.edu

   Frank Loguidice

   407-823-2141

   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 regularly scheduled 3000-4000 level courses taken from the UCF Biology Department.
UCF Degree Programs

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:
- A one semester course for students with a strong chemistry background and a high Chemistry Placement score

CHM 2045C Chemistry Fundamentals I GEP

or - Students with little chemistry background should take this two semester equivalent instead

CHM 2040 Chemistry Fundamentals IA and 3 hrs
CHM 2041 Chemistry Fundamentals IB GEP

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 4683 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 3063 Genetics Laboratory or 3 hrs
- 2 PCB 4514 Genetics II or 3 hrs
- 2 PCB 4678 Evolution and Medicine or 3 hrs
- 1 PCB 4723 Animal Physiology or 4 hrs
- 2 PCB Human Genetics or 4 hrs
- 5653C

- 1 ZOO Comparative Vertebrate Anatomy or 5 hrs
- 3713C

- 1 ZOO Embryology/Development or 5 hrs
- 4603C

- 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 3802 Ethnobotany or 3 hrs
- 1 BOT 4850 Medicinal Botany 3 hrs

1 Fulfils 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 Biology and Ecology of Metazoan 4 hrs
- 4205C Invertebrates or 4 hrs
- 1 ZOO Vertebrate Evolution & Ecology 4 hrs
- 4310C

1 Fulfills Zoology requirement. Offered in Biology department.

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions
- 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.
- 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
- Biomedical Sciences

Certificates

- None

Related Minors

- Biology
- Biomedical Sciences

Advising Notes

- Students are urged to contact their departmental advisor before registering for courses.
- It is the student’s responsibility to ensure they have satisfied course prerequisites before registering for a class.
- Students are strongly encouraged to work with the Office of Pre-Professional Advising (Ferrell Commons, Bldg 7G, Room 215C; 407-823-3033).
Senior Year - Spring 15 hrs
1 CHM 221L Organic Laboratory Techniques I 2 hrs
Restricted Elective 4 hrs
Restricted Elective 3 hrs
Free Elective 2 hrs
Free Elective 3 hrs

Program Academic Learning Compacts
1 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

Biomedical Sciences (B.S.)
College of Medicine
Burnett School of Biomedical Sciences
Department of Molecular and Microbiology, Health and Public Affairs II, Room: 335
http://www.biomed.ucf.edu
E-mail: bcbinfo@mail.ucf.edu
Dr. P.E. Kolattukudy, Chair
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)

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: 4 hrs
Suggested MAC 2311 Calculus with Analytic Geometry I 4 hrs
Suggested MAC 2253 Applied Calculus I 3 hrs

1 Select 1: 3 hrs
Suggested STA 2023 Statistical Methods I or Introduction to Computer Science 3 hrs
Suggested CGS 1060C Calculus with Analytic Geometry I 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (8 hrs)
Required BSC 2010C Biology I 4 hrs
Required CHM 2045C Chemistry Fundamentals I 4 hrs
1

2. Common Program Prerequisites (CPP)
1 See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

Senior Year - Spring
- Restricted Elective 4 hrs
- GEP 3 hrs
- GEP 3 hrs
- Restricted Elective 4 hrs
- Free Elective 2 hrs
Select one of the following sequences of courses:

**PHY 2053C** College Physics I and 4 hrs
**PHY 2054C** College Physics II and 4 hrs

or

**PHY 2048C** Physics for Engineers & Scientists I and 4 hrs
**PHY 2049C** Physics for Engineers and Scientists II and 4 hrs

1 See Transfer Notes for possible substitutions.

3. Core Requirements: Basic Level

**Math, Statistics, Computer**

Select 1:

MAC 2311 Calculus with Analytic Geometry I or 4 hrs
MAC 2253 Applied Calculus I 4 hrs

Select 1:

STA 2023 Statistical Methods I or 3 hrs
CGS 1060C Introduction to Computer Science 3 hrs

3. Core Requirements: Advanced Level (25 hrs)

**Life Sciences**

MCB 5225 Cancer Biology 3 hrs
MCB 5345 Embryology/Development 5 hrs

**Chemistry**

BCH 4053 Biochemistry I 3 hrs

5. Restricted Electives (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.

1 BCH 4054 Biochemistry II 3 hrs
1 BCH 4103L Biochemical Methods 2 hrs
1 MCB 3203 Pathogenic Microbiology 3 hrs
1 MCB 3404 Bacterial Genetics and Physiology 3 hrs
1 MCB 4114C Determinative & Systemic Microbiology 4 hrs
1 MCB 4203 Infectious Processes 3 hrs
1 MCB 4204 Cellular Microbiology: Host-Pathogen Interactions 3 hrs
1 MCB 4276 Epidemiology of Infectious Diseases 3 hrs
1 MCB 4312 Molecular Biotechnology 3 hrs
1 MCB 4503C Virology 3 hrs
1 MCB 4603 Environmental Microbiology 3 hrs
1 MCB 4721C Methods in Biotechnology 4 hrs
1 MCB 5225 Molecular Biology of Disease 3 hrs
1 MCB 5654 Applied Microbiology 3 hrs
1 MCB 5932 Current Topics in Molecular Biology 3 hrs
1 MLS 3220C Techniques in Clinical Microscopy 3 hrs
1 MLS 3305 Hematology 3 hrs
1 MLS 4334 Hemostasis 3 hrs
1 MLS 4430C Clinical Parasitology 2 hrs
1 MLS 4503C Immunodiagnostics 3 hrs
1 MLS 4625 Advanced Clinical Chemistry I 3 hrs
1 MLS 4630 Advanced Clinical Chemistry II 3 hrs
1 PCB 3063 Genetics 3 hrs
1 PCB 3703C Human Physiology 4 hrs
1 PCB 4028 Molecular and Cellular Pharmacology 3 hrs
1 PCB 4174 Foundation of Bio-Imaging Science 3 hrs
1 PCB 4251 Tissue Engineering 3 hrs
1 PCB 4514 Genetics II 3 hrs
1 PCB 4529 Experimental Molecular Biology 3 hrs
1 PCB 4805 Endocrinology 3 hrs
1 PCB 5238 Immunology 3 hrs
1 PCB 5346 Cancer Biology 3 hrs
1 PCB 5275 Signal Transduction Mechanics 3 hrs
1 ZOO 3701C Human Gross Anatomy & Dissection 3 hrs
1 ZOO 3733C Human Anatomy 4 hrs
1 ZOO 3744 Neurobiology 3 hrs
1 ZOO 4630C Embryology/Development 5 hrs
1 ZOO 4655 Human Clinical Embryology and Congenital Malformation 3 hrs
1 ZOO 4704C Clinical Neuroanatomy and Neuroscience 4 hrs
1 ZOO 4753C Vertebrate Histology 4 hrs
ZOO 5745C Essentials of Neuroanatomy 4 hrs
MCB 3203 Pathogenic Microbiology 1 hr
MCB 4970H Honors Undergraduate Thesis II 3 hrs
BOT 4544C General Mycology 4 hrs
1 MCB 3202 Principles of Infectious Disease 3 hrs
PCB 4234 Cancer Biology 3 hrs
ZOO 4747C Clinical Neuroscience 4 hrs
PCB 4264 Stem Cell Biology 3 hrs

1 Recommended for Preprofessional students

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 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

- 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): BSC 4304H 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 (3 credits): MCB 4970H Honors Undergraduate Thesis II 1 hr

Related Programs

- Biology
- Biotechnology
- Chemistry
- Medical Laboratory Sciences
### UCF Degree Programs

**Biomedical Sciences - Preprofessional Concentration (B.S.)**

**College of Medicine**  
Burnett School of Biomedical Sciences  
Department of Molecular and Microbiology, Health and Public Affairs II, Room: 335  
http://www.biomed.ucf.edu

**E-mail:** bcbsinfo@mail.ucf.edu

Dr. P.E. Kolattukudy, Chair  
407-823-5932

Students seeking admission to professional schools (medical, dental, optometry, veterinary, podiatry, and pharmacy) will meet all the admission requirements for those programs while obtaining a Molecular Biology and Microbiology degree.

#### Admission Requirements

- None

**Degree Requirements**

- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program before transferring within the Florida Public University/Community College System.
- Students should consult with a Departmental advisor and the Pre-Advisement Office in HPA I 124.

#### UCF General Education Program (GEP)

1. **UCF General Education Program (GEP)** (36 hrs)

   - Note: Certain courses must be selected in GEP for this major, bringing the total GEP hours to more than 36.

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**University of Central Florida**

**Undergraduate Catalog 2011-2012**  
145
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)

Select 1: 3 hrs
Required CGS 1060C Introduction to Computer Science or
Required STA 2023 Statistical Methods I 3 hrs

Select 1: 3 hrs
Required BSC 2011C Biology II 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.

3. Core Requirements: Basic Level (10 hrs)

Life Sciences: Basic
SLS 2311C Overview of Select Medical Careers 2 hrs

Math, Statistics, Computers
Select 1: 4 hrs
MAC 2311 Calculus with Analytic Geometry I or
MAC 2253 Applied Calculus I GEP

Select 1: 3 hrs
STA 2023 Statistical Methods I or
CGS 1060C Introduction to Computer Science GEP

Chemistry
Take all of the following: 8 hrs
CHM 2210 Organic Chemistry I and
CHM 2211 Organic Chemistry II and
CHM 2211L Organic Laboratory Techniques I 2 hrs

4. Core Requirements: Advanced Level (25 hrs)

Life Sciences: Advanced
MCB 3020C General Microbiology 5 hrs
MCB 4414 Microbial Metabolism 3 hrs
PCB 4229 Molecular Immunology 3 hrs
PCB 323L Immunology Laboratory 1 hr
PCB 3522 Molecular Biology I 3 hrs
PCB 4524 Molecular Biology II 3 hrs
BSC 3403C Quantitative Biological Methods 4 hrs

Chemistry
BCH 4053 Biochemistry I 3 hrs

5. Restricted Electives
7 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 3203 Pathogenic Microbiology 3 hrs
  - 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 5225 Molecular Biology of Disease 3 hrs
  - MLS 3305 Hematology 3 hrs
  - MLS 4334 Hemostasis 3 hrs
  - MLS 4430C Clinical Parasitology 2 hrs
  - MLS 5555C Immunodiagnostics 3 hrs
  - PCB 3063 Genetics 3 hrs
  - PCB 3703C Human Physiology 4 hrs
  - PCB 4028 Molecular and Cellular Pharmacology 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.
Select 1: 3 hrs

Plan of Study

may be substituted with: CHM 2041C

may be substituted with: CHM 2040C

Acceptable Substitutes for Transfer Courses

Community college (lower division) must take an additional 8 (eight) hours meeting the Human Anatomy and Physiology I & II requirement at the University of Central Florida 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

BSC 2011C  Biology II  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

Plan of Study

Freshman Year - Fall

13 hrs

ENC 1101  Composition I  3 hrs

CHM 2045C  Chemistry Fundamentals I  4 hrs

MAC 1105C  College Algebra  3 hrs

Select 1:

PSY 2012  General Psychology or  3 hrs

SYG 2000  Introduction to Sociology or  3 hrs

ANT 2000  General Anthropology  3 hrs

Freshman Year - Spring

16 hrs

ENC 1102  Composition II  3 hrs

CHM 2046  Chemistry Fundamentals II  3 hrs

CHM 2046L  Chemistry Fundamentals Laboratory  1 hr

BSC 2010C  Biology I  4 hrs

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 2311  Calculus with Analytic Geometry I or  4 hrs

MAC 2253  Applied Calculus I  3 hrs

Select 1:

EUH 2000  Western Civilization I or  3 hrs

AMH 2010  U.S. History: 1492-1877 or  3 hrs

WOH 2012  World Civilization I or  3 hrs

HUM 2210  Humanistic Tradition I or  3 hrs

Sophomore Year - Spring

15 hrs

CHM 2211  Organic Chemistry II  3 hrs

CHM 2211L  Organic Laboratory Techniques I  2 hrs

BSC 4003C  Quantitative Biological Methods  4 hrs

Select 1:

STA 2023  Statistical Methods I or  3 hrs

CGS 1060C  Introduction to Computer Science  3 hrs

Select 1:

EUH 2001  Western Civilization II or  3 hrs

AMH 2020  U.S. History: 1877-Present or  3 hrs

HUM 2220  Humanistic Tradition II or  3 hrs

WOH 2022  World Civilization II  3 hrs

Junior Year - Fall

17 hrs

PCB 3522  Molecular Biology I  3 hrs

1 BSC 2011C  Biology II  4 hrs

Select 1:

PHY 2053C  College Physics I or  4 hrs

2 PHY 2048C  Physics for Engineers & Scientists I  4 hrs

Select 1:

ECO 2013  Principles of Macroeconomics or  3 hrs

POS 2041  American National Government  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.

Junior Year - Spring

16 hrs

PCB 4524  Molecular Biology II  3 hrs

PCB 4239  Molecular Immunology  3 hrs

PCB 3233L  Immunology Laboratory  1 hr

SPO 1603  Fundamentals of Technical Presentations  3 hrs

Restricted Elective  2 hrs

Select 1:

1 PHY 2049C  Physics for Engineers and Scientists II  4 hrs

1 Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites.

Senior Year - Fall

16 hrs

BCH 4053  Biochemistry I  3 hrs

Restricted Elective  3 hrs

Restricted Elective  3 hrs

Senior Year - Spring

16 hrs

MCB 4414  Microbial Metabolism  3 hrs

Restricted Elective  3 hrs

Restricted Elective  4 hrs

Restricted 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/alc/academic_learning_compacts.htm

Equipment Fees

Part-Time Student: $39 per term

Full-Time Student: $78 per term

Biotechnology (B.S.)

College of Medicine

Burnett School of Biomedical Sciences

Department of Molecular and Microbiology, Health and Public Affairs II, Room: 335

http://www.biomed.ucf.edu

E-mail: bcbsinf@mail.ucf.edu

Dr. P.E Kolattukudy, Chair

Dr. Henry Daniell, Program Director, daniell@mail.ucf.edu

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
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.
- 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
- ENC 1102 Composition II 3 hrs
- SPC 1603 Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)

Required
- STA 2023 Statistical Methods I 3 hrs

Select 1:
- MAC 2311 Calculus with Analytic Geometry I or
- MAC 2233 Applied Calculus I 3 hrs

C: Mathematical Foundations

Required
- CHM 2045C Chemistry Fundamentals I 4 hrs
- BSC 2010C Biology I 4 hrs

D: Social Foundations (6 hrs)

Required
- CHM 2045C Chemistry Fundamentals I 4 hrs
- BSC 2010C Biology I 4 hrs

2. Common Program Prerequisites (CPP) (21 hrs)

- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

3. Core Requirements: Basic Level

- None

4. Core Requirements: Advanced Level (52 hrs)

Life Sciences

- MCB 3020C General Microbiology 5 hrs
- MCB 4414 Microbial Metabolism 3 hrs
- PCB 4239 Molecular Immunology 3 hrs
- PCB 3233L Immunology Laboratory 1 hr
- PCB 3522 Molecular Biology I 3 hrs
- PCB 4524 Molecular Biology II 3 hrs
- BSC 3403C Quantitative Biological Methods 4 hrs
- MCB 4721C Methods in Biotechnology 4 hrs
- MCB 4720 Industrial Perspectives Seminar 3 hrs
- MCB 4312 Molecular Biotechnology 3 hrs
- PCB 4529 Experimental Molecular Biology 3 hrs
- PCB 4174 Foundation of Bio-Imaging Science 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
- PHY 2048C Physics for Engineers & Scientists I and 4 hrs
  - PHY 2049C Physics for Engineers and Scientists II 4 hrs

Math

Select 1:
- MAC 2311 Calculus with Analytic Geometry I or 3 hrs
- MAC 2233 Applied Calculus I 3 hrs

5. Restricted Electives (6 hrs)

- Two courses minimum, no more than one may be taken outside the Molecular Biology and Microbiology Department. Each graduate must complete 3 credits of MCB 4912 or MCB 4970H or serve an internship. Only three hours of Honors thesis or undergraduate research will count toward the restrictive elective requirement.
- 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 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 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 5238 Immunobiology 3 hrs
- PCB 5275 Signal Transduction Mechanics 3 hrs
- PCB 5236 Cancer Biology 3 hrs
- MCB 4912 Directed Independent Research 3 hrs
- MCB 4970H Honors Undergraduate Thesis II 3 hrs
- MCB 3203L Pathogenic Microbiology Lab 1 hr

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

- 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
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 X203 or STA X122 or STATX014 or STA X024 or STA X321

Acceptable Substitutes

- CHM 2045C may be substituted with CHM 2040 and CHM 2041

Plan of Study

**Freshman Year - Fall**
- ENC 1101: Composition I (3 hrs)
- CHM 2045C: Chemistry Fundamentals I (4 hrs)
- Select 1:
  - PSY 2012: General Psychology (3 hrs)
  - SYG 2000: Introduction to Sociology (3 hrs)
  - ANT 2000: General Anthropology (3 hrs)

**Freshman Year - Spring**
- ENC 1102: Composition II (3 hrs)
- SPC 1603: Fundamentals of Technical Presentations (3 hrs)
- CHM 2046: Chemistry Fundamentals II (3 hrs)
- CHM 2046L: Chemistry Fundamentals Laboratory (1 hr)
- BSC 2010C: Biology I (4 hrs)

**Sophomore Year - Fall**
- CHM 2210: Organic Chemistry I (3 hrs)
- MCB 3020C: General Microbiology (5 hrs)
- Select 1:
  - MAC 2311: Calculus with Analytic Geometry I or Applied Calculus I (4 hrs)
  - MAC 2253: Applied Calculus II (3 hrs)
- Select 1:
  - EUH 2000: Western Civilization I or
  - AMH 2010: U.S. History: 1492-1877 or
  - WOH 2012: World Civilization I or
  - HUM 2210: Humanistic Tradition I or

**Sophomore Year - Spring**
- CHM 2211: Organic Chemistry II (3 hrs)
- CHM 2211L: Organic Laboratory Techniques I (2 hrs)
- BSC 3403C: Quantitative Biological Methods (4 hrs)
- Select 1:
  - STA 2023: Statistical Methods I or
  - CGS 1060C: Introduction to Computer Science (3 hrs)
- Select 1:
  - EUH 2001: Western Civilization II or
  - AMH 2020: U.S. History: 1877-Present or
  - HUM 2230: Humanistic Tradition II or
  - WOH 2022: World Civilization II (3 hrs)

**Junior Year - Fall**
- PCB 3522: Molecular Biology I (3 hrs)
- MCB 4720: Industrial Perspectives Seminar (3 hrs)
- Select 1:
  - PHY 2053C: College Physics I or
  - PHY 2048C: Physics for Engineers & Scientists I (4 hrs)

**Junior Year - Spring**
- PCB 4524: Molecular Biology II (3 hrs)
- PCB 4239: Molecular Immunology (3 hrs)
- PCB 3233L: Immunology Laboratory (1 hr)
- BSC 2011C: Biology II (4 hrs)
- Select 1:
  - PHY 2054C: College Physics II or
  - PHY 2049C: Physics for Engineers and Scientists II (4 hrs)

**Senior Year - Fall**
- CHM 2212: Organic Chemistry III (3 hrs)
- MCB 4721C: Methods in Biotechnology (3 hrs)
- MCB 4312: Molecular Biotechnology (3 hrs)
- Restricted Elective (3 hrs)

**Senior Year - Spring**
- PCB 4529: Experimental Molecular Biology (3 hrs)
- PCB 4174: Foundation of Bio-Imaging Science (3 hrs)
- MCB 4414: Microbial Metabolism (3 hrs)
- Restricted Elective (3 hrs)

**UCF Degree Programs**
UCF Degree Programs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oes.usf.edu/ualt/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $39 per term
- Full-Time Student: $78 per term

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
Selena Forrest (Clemont Advising), 352-536-2174
Angelia Jones (Cocoa Advising), 321-433-7889
Christine Davis (Daytona Advising), 386-506-4021
Melba Sanchez (College of Business), 407-823-2184
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 to transfer into the program and students must have a “C” (2.0) or better in each 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 1608 Fundamentals of Oral Communication
- Suggested PSY 2012 General Psychology or PSY 2000 Introduction to Sociology

B: Cultural & Historical Foundations
- Required MAC 1140 Pre-Calculus Algebra
- Required STA 2023 Statistical Methods I

C: Mathematical Foundations
- Required STA 2023 Statistical Methods I

D: Social Foundations
- Select 1: Suggested ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics
- Suggested ANT 2000 General Anthropology

E: Science Foundations (6 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.

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:
- Must earn a “C” (2.0) or better in both MAC 2233 and STA 2023 to be waived from ECO 3401.

3. Core Requirements: Basic Level
- 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
- MAN 3025 Management of Organizations 4 hrs
- MAR 3023 Marketing 4 hrs
- MAR 3203 Supply Chain Management 4 hrs

1 Required in the 1st or 2nd semester
2 Must be taken with GEB 3031

5. Restricted Electives
- None

6. Capstone Requirements (4 hrs)
- MAN 4720 Strategic Management 4 hrs
- This course is taken in the graduating term and requires the following prerequisites:
- FAS 4303C Business Finance 4 hrs
- GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
- GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
- MAN 3025 Management of Organizations 4 hrs
- MAR 3023 Marketing 4 hrs

1 Required in 1st or 2nd semester
2 Must be taken with GEB 3031

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
- Existing non-business minor offered at Regional Campuses

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
- 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.
- 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, 18 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.
- 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)

### Acceptable Substitutes for Transfer Courses
- AGC 2021 Principles of Financial Accounting may be substituted with AGC X001 and 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](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/](http://chemistry.cos.ucf.edu/)

**E-mail:** chemstaf@mail.ucf.edu

Dr. Pedro Patino

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.

#### 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)
- Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
- Prefer STA 2023 Statistical Methods I 3 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)
- Required PHY 2048C Physics for Engineers & Scientists I 4 hrs
- Required PHY 2049C Physics for Engineers & Scientists II 4 hrs

##### E: Science Foundations (8 hrs)
- Required PHY 2048C Physics for Engineers & Scientists I 4 hrs
- Required PHY 2049C Physics for Engineers & Scientists II 4 hrs

##### 2. Common Program Prerequisites (CPP) (24 hrs)
- 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](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 4 hrs
**MAC 2312** Calculus with Analytic Geometry II 4 hrs
**MAC 2311** Calculus with Analytic Geometry I 4 hrs
**MAC 2312** Calculus with Analytic Geometry II 4 hrs
UCF Degree Programs

PHY 2048C Physics for Engineers & Scientists I  GEP
PHY 2049C Physics for Engineers and Scientists II  4 hrs

NOTE: These courses are considered to be equivalents:

- A one semester course for students with a strong chemistry background and high Chem Placement scores:
  - CHM 2045C Chemistry Fundamentals I  4 hrs

or - Students with little chemistry background should take 2 this semester equivalent instead.
  - CHM 2040 Chemistry Fundamentals IA and 3 hrs
  - CHM 2041 Chemistry Fundamentals IB  3 hrs

3. Core Requirements: Basic Level (4 hrs)
   - 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  GEP
   - STA 2023 Statistical Methods I  GEP

4. Core Requirements: Advanced Level (34 hrs)
   - BCH 4055 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 4610 Inorganic Chemistry  3 hrs
   - CHM 4610L Inorganic Chemistry Laboratory 2 hrs
   - CHM 4130 Advanced Analytical Laboratory Technique  3 hrs
   - CHM 4130L Advanced Analytical 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 (6 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.
   - 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
   - Forensic Science - Analysis Track
   - Forensic Science - Biochemistry Track
   - Biomedical Sciences
   - Science Education - Chemistry
   - Chemistry - Biochemistry Track

Certificates
   - None

Related Minors
   - Chemistry
   - Biomedical Sciences

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 2045C: 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 the 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
   - ENC 1101 Composition I  3 hrs
   - MAC 2311 Calculus with Analytic Geometry I  4 hrs
   - CHM 2045C Chemistry Fundamentals I  4 hrs

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<th>Course</th>
<th>Hours</th>
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<tr>
<td>ENC 1102 Composition II</td>
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<tr>
<td>GEP</td>
<td>3 hrs</td>
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<tr>
<td>CHM 2046 Chemistry Fundamentals II</td>
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<td>CHM 2046L Chemistry Fundamentals Laboratory</td>
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<tr>
<td>MAC 2312 Calculus with Analytic Geometry II</td>
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<td><strong>Sophomore Year - Fall</strong></td>
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<td>PHY 2048C Physics for Engineers &amp; Scientists I</td>
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<td>CHM 3411L Physical Chemistry Laboratory</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 3411 Physical Chemistry II</td>
<td>2 hrs</td>
</tr>
<tr>
<td>CHM 4130 Advanced Analytical Laboratory Technique</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 4610 Inorganic Chemistry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 4120L Advanced Analytical Chemistry Laboratory</td>
<td>2 hrs</td>
</tr>
<tr>
<td><strong>Senior Year - Fall</strong></td>
<td>16 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 4610L Inorganic Chemistry Laboratory</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 4930 Chemistry Seminar I</td>
<td>1 hr</td>
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<tr>
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</tr>
<tr>
<td>Free Elective</td>
<td>2 hrs</td>
</tr>
<tr>
<td>CHM 4912 Directed Independent Research</td>
<td>2 hrs</td>
</tr>
<tr>
<td>Free Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>Senior Year - Spring</strong></td>
<td>15 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 4912 Directed Independent Research</td>
<td>2 hrs</td>
</tr>
<tr>
<td>CHM 4931 Chemistry Seminar I</td>
<td>1 hr</td>
</tr>
<tr>
<td>Free Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Free Elective</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Chemistry - Biochemistry Track (B.S.)
College of Sciences
Department of Chemistry, CH, Room: 117
http://www.cos.ucf.edu/chemistry
E-mail: chemstaf@mail.ucf.edu
Dr. Pedro Patino
407-825-2246

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.

U.S. News & World Report - Best Colleges: United States
- 1st in National Universities - Arts & Sciences

UCF Degree Programs
- 1. UCF General Education Program (GEP) (39 hrs)
  - Note: Certain courses must be selected in the GEP for this major, which brings the GEP hours above 36.
  - A: Communication Foundations (9 hrs)
    - Required ENC 1101 Composition I 3 hrs
    - Required ENC 1102 Composition II 3 hrs
    - Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

  - B: Cultural & Historical Foundations (9 hrs)
    - Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
    - Prefer STA 2023 Statistical Methods I 3 hrs

  - C: Mathematical Foundations (7 hrs)
    - Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
    - Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

  - D: Social Foundations (6 hrs)
    - Required PHY 2048C Physics for Engineers & Scientists I 4 hrs
    - Required BSC 2010C Biology 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
    - PHY 2048C Physics for Engineers & Scientists I 4 hrs
    - PHY 2049C Physics for Engineers and Scientists II 4 hrs

  - 3. Core Requirements: Basic Level (14 hrs)
    - BSC 2010C Biology I 4 hrs
    - CHM 3411 Physical Chemistry I 3 hrs
    - CHM 3411L Physical Chemistry Laboratory 2 hrs
    - MAC 2311 Calculus with Analytic Geometry I 4 hrs
    - MAC 2312 Calculus with Analytic Geometry II 4 hrs

  - Course and program requirements have been met by successful completion of the following courses:
    - CHM 2045C Chemistry Fundamentals I 4 hrs
    - CHM 2211L Organic Laboratory Techniques I 2 hrs
    - CHM 2046 Chemistry Fundamentals II 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

  - NOTE: These courses are considered to be equivalents:
    - A: One semester course for students with a strong chemistry background and a high Chemistry Placement score:
      - CHM 2045C Chemistry Fundamentals I 4 hrs
    - or - Students with little chemistry background should take this two semester equivalent instead:
      - CHM 2040 Chemistry Fundamentals IA and 3 hrs
      - CHM 2041 Chemistry Fundamentals IB 3 hrs

  - 3. Core Requirements: Basic Level (14 hrs)
    - BSC 2010C Biology I 4 hrs
    - CHM 3411 Physical Chemistry I 3 hrs
    - CHM 3411L Physical Chemistry Laboratory 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
Select one of the following statistics courses
- STA 1060C Basic Statistics Using Microsoft Excel or GEP
- STA 2023 Statistical Methods I or GEP

4. Core Requirements: Advanced Level (37 hrs)
- BCH 4053 Biochemistry I 3 hrs
- BCH 4054 Biochemistry II 3 hrs
- BCH 4103L Biochemical Methods 2 hrs
- CHM 3410 Physical Chemistry I 4 hrs
- CHM 3411 Physical Chemistry II 3 hrs
- CHM 3411L Physical Chemistry Laboratory 2 hrs
- CHM 4610 Inorganic Chemistry 3 hrs
- CHM 4912 Directed Independent Research 4 hrs
- CHM 4930 Chemistry Seminar I 1 hr
- CHM 4931 Chemistry Seminar II 1 hr
- MCB 3020C General Microbiology 5 hrs
- PCB 3023 Molecular Cell Biology 3 hrs
- PCB 3063 Genetics 3 hrs

5. Restricted Electives (10 hrs)
Select from the following:
- CHM 4220 Organic Chemistry III or 3 hrs
- CHM 5225 Advanced Organic Chemistry 3 hrs

Additional physical, biological, and mathematical sciences courses.
- In addition to those listed above, course selected with the aid of a departmental advisor and approved in advance by the department chair may also be used.
- These courses should be at least at the 3000 level.

6. Capstone Requirements
- None

7. Foreign Language Requirements
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.
- 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
- Biomedical Sciences

Certificates
- None

Related Minors
- Chemistry
- Biology
- Biomedical Sciences

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**

- BSC 2010C Biology I 4 hrs
- ENC 1101 Composition I 3 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs

**Freshman Year - Spring**

- ENC 1102 Composition II 3 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
- GEP 3 hrs

**Sophomore Year - Fall**

- PHY 2048C Physics for Engineers & Scientists I 4 hrs
- CHM 2210 Organic Chemistry I 3 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- Statistics 3 hrs

**Sophomore Year - Spring**

- CHM 2211 Organic Chemistry II 3 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs
- CHM 3120 Analytical Chemistry 3 hrs
- CHM 3120L Analytical Chemistry Laboratory 1 hr
- PCB 3063 Genetics 3 hrs
<table>
<thead>
<tr>
<th>Junior Year - Fall</th>
<th>14 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BCH 4053</td>
<td>Biochemistry I</td>
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<tr>
<td>PCB 3023</td>
<td>Molecular Cell Biology</td>
</tr>
<tr>
<td>CHM 3212L</td>
<td>Organic Laboratory Techniques II</td>
</tr>
<tr>
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**Junior Year - Spring**

<table>
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<tbody>
<tr>
<td>GEP</td>
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</tr>
<tr>
<td>BCH 4054</td>
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<tr>
<td>BCH 4103L</td>
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**Senior Year - Fall**

<table>
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<th>16 hrs</th>
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<tbody>
<tr>
<td>CHM 3410</td>
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</tr>
<tr>
<td>CHM 4930</td>
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<tr>
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</tbody>
</table>

**Senior Year - Spring**

<table>
<thead>
<tr>
<th>15 hrs</th>
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<tbody>
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<td>GEP</td>
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<td>CHM 4931</td>
</tr>
<tr>
<td>CHM 3411</td>
</tr>
<tr>
<td>CHM 3411L</td>
</tr>
<tr>
<td>CHM 4610</td>
</tr>
</tbody>
</table>

**Program Academic Learning Compacts**

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.ceas.ucf.edu/aic/academic_learning_compacts.htm

**Equipment Fees**

- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

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## Civil Engineering (B.S.C.E.)

**College of Engineering and Computer Science**

**Department of Civil, Environmental, and Construction Engineering, Engineering II, Room: 211**

http://www.cece.ucf.edu

Carol Ann Pohl, carol.pohl@ucf.edu
Dr. F. Necati Catbas, fikret.catbas@ucf.edu
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.
- A “C” (2.0) or better is required in each pre-requisite course in section 2 Common Program Prerequisites, section 3 Basic Core Requirements, section 4 Advanced Core Requirements, and section 6 Capstone Requirements.

**1. UCF General Education Program (GEP)**

<table>
<thead>
<tr>
<th>38 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>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.</td>
</tr>
</tbody>
</table>

**A: Communication Foundations**

<table>
<thead>
<tr>
<th>9 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required ENC 1101</td>
</tr>
<tr>
<td>Required ENC 1102</td>
</tr>
<tr>
<td>Suggested SPC 1603</td>
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</table>

**B: Cultural & Historical Foundations**

<table>
<thead>
<tr>
<th>9 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select two courses from Historical Foundations</td>
</tr>
<tr>
<td>Select one course from Cultural Foundations</td>
</tr>
</tbody>
</table>

**C: Mathematical Foundations**

<table>
<thead>
<tr>
<th>7 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required MAC 2311</td>
</tr>
<tr>
<td>Required STA 3032</td>
</tr>
</tbody>
</table>

**D: Social Foundations**

<table>
<thead>
<tr>
<th>6 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select one class from Social Foundation Group 1</td>
</tr>
<tr>
<td>Select one class from Social Foundation Group 2</td>
</tr>
</tbody>
</table>

**E: Science Foundations**

<table>
<thead>
<tr>
<th>7 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required PHY 2048C</td>
</tr>
<tr>
<td>Prefer GEO 1200</td>
</tr>
</tbody>
</table>

**2. Common Program Prerequisites (CPP)**

- These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- A grade of “C” (2.0) or better is required in each course in this section.

**3. Core Requirements: Basic Level**

<table>
<thead>
<tr>
<th>2 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 2311</td>
</tr>
<tr>
<td>MAC 2312</td>
</tr>
<tr>
<td>MAC 2313</td>
</tr>
<tr>
<td>MAP 2302</td>
</tr>
<tr>
<td>PHY 2049C</td>
</tr>
<tr>
<td>PHY 2049C</td>
</tr>
</tbody>
</table>

Select one of the following sequences of courses:

- **Preferred course**
  - CHS 1440 | Fundamentals of Chemistry for Engineers | 4 hrs |

- **or - First alternative: Select all of the following:**
  - CHM 2040 | Chemistry Fundamentals IA and | 3 hrs |
  - CHM 2041 | Chemistry Fundamentals IB | 3 hrs |

- **or - Second alternative**
  - CHM 2045C | Chemistry Fundamentals I | 4 hrs |

**4. Core Requirements: Advanced Level**

<table>
<thead>
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<th>63 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 EGN 3310</td>
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<tr>
<td>1 EGN 3321</td>
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<td>1 EGN 3343</td>
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<td>1 EGN 3613</td>
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<td>1 ENV 3001</td>
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<tr>
<td>1 CEE 4003</td>
</tr>
<tr>
<td>1 STA 3032</td>
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<tr>
<td>1 CGN 3700C</td>
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<tr>
<td>1 CGN 3501C</td>
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<tr>
<td>1 CEG 4011C</td>
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<td>1 CWR 4632C</td>
</tr>
<tr>
<td>1 TTE 3810</td>
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<tr>
<td>1 ENV 4531</td>
</tr>
<tr>
<td>1 CES 4605</td>
</tr>
<tr>
<td>1 CES 4702</td>
</tr>
</tbody>
</table>

**Select 3:**

- **Take 3 from the following:**
  - CEG 4012 | Geotechnical Engineering II or | 3 hrs |
  - CWR 4633C | Water Resources Engineering II or | 3 hrs |
  - ENV 4561 | Environmental Engineering Operations & Processes II or | 3 hrs |
  - TTE 4274 | Transportation Engineering Systems | 3 hrs |

- A “C” (2.0) or better is required in this course.

---
UCF Degree Programs

5. Restricted Electives
- Some students may need to take technical electives to satisfy hour shortages because of transfer status. Technical electives are available in the BSCE program to address specific student interests in a variety of technical areas. Students should consult the CECE website 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)
- Senior Design Courses
  - CGN 4808C CECE Capstone Design 3 hrs

Design Specialization 3 hrs
- 1 CEG Geotechnical Engineering Design or 3 hrs
- CES 4743C Structural Design or 3 hrs
- 1 CWR Water Resources Design or 3 hrs
- 4812C
- 1 ENV 4562C Environmental Engineering Water Treatment Design or 3 hrs
- 1 TTE 4601C Urban Systems Design 3 hrs

1 A ‘C’ (2.0) or better is required in this course.

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. Applications must be received by the Florida Board of Professional Engineers approximately 6 months in advance of your exam date. The exam is offered in April and October 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
- 128

Honors In Major
- None

Related Programs
- Construction Engineering
- Environmental Engineering

Certificates
- None

Related Minors
- Mathematics
- Engineering Leadership

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.

6. The Civil Engineering program offers the opportunity for exceptionally well qualified undergraduates to enter directly into the PhD program after completion of an appropriate BS degree. This option allows outstanding undergraduates to begin planning a research program with a specific faculty advisor even before finishing the BS, and may allow completion of the PhD in a shorter time period than by taking a separate Masters followed by the PhD.

Transfer Notes
- Courses 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 (course syllabus) 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 14 hrs
- ENC 1101 Composition I 3 hrs
- MAC 3001 Calculus I 4 hrs
- MAC 3011 Calculus II 4 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs

Freshman Year - Spring 14 hrs
- ENC 1102 Composition II 3 hrs
- MAC 3212 Calculus with Analytic Geometry II 4 hrs
- PHY 2049C Physics for Engineers & Scientists I 4 hrs
- EGN 1006C Introduction to the Engineering Profession 1 hr

Sophomore Year - Fall 14 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs
- EGN 3310 Engineering Analysis-Statics 3 hrs
- GEP 3 hrs

Sophomore Year - Spring 16 hrs
- ENC 3001 Introduction to Environmental Engineering 3 hrs
- PHY 2048C Physics for Engineers & Scientists II 4 hrs
- EGN 3322 Engineering Analysis-Dynamics 3 hrs
- EGN 3331 Mechanics of Materials 3 hrs
- GEP 3 hrs

Sophomore Year - Summer 9 hrs
- STA 3022 Probability and Statistics for Engineers 3 hrs
- GEP 3 hrs

Junior Year - Fall 17 hrs
- CWR 3201 Engineering Fluid Mechanics 3 hrs
- CCE 4003 Introduction to the Construction Industry 4 hrs
- CEG 3501C Civil Engineering Materials 3 hrs
- CES 4100C Structural Analysis I and Lab 4 hrs
- GEP 3 hrs

Junior Year - Spring 17 hrs
- ENC 3001 Introduction to Environmental Engineering 3 hrs
- EGN 3500C Civil Engineering Measurements 3 hrs
- CEG 4011C Geotechnical Engineering I 4 hrs
- CWR 4632C Water Resources Engineering I 4 hrs
- TTE 3810 Highway Engineering 3 hrs

Senior Year - Fall 15 hrs
- CES 4605 Steel Structures 3 hrs
- ENV 4531 Environmental Engineering Operations & Processes I 3 hrs
- GEP 3 hrs

Senior Year - Spring 15 hrs
- ENC 3001 Introduction to Environmental Engineering 3 hrs
- EGN 3331 Mechanics of Materials 3 hrs
- CEG 4011C Geotechnical Engineering II or 3 hrs
- CWR 4633C Water Resources Engineering II or 3 hrs
- ENV 4561 Environmental Engineering Operations & Processes II or 3 hrs
- TTE 4274 Transportation Engineering Systems 3 hrs

Discipline Depth 6 hrs
- CEG 4011C Geotechnical Engineering II or 3 hrs
- CWR 4633C Water Resources Engineering II or 3 hrs
- ENV 4561 Environmental Engineering Operations & Processes II or 3 hrs
- TTE 4274 Transportation Engineering Systems 3 hrs
Suggested ECO 2013 Principles of Microeconomics 3 hrs

Suggested ECO 2023 Principles of Microeconomics 3 hrs

Required PHY 2XXX Physics Course 3 hrs

2. Common Program Prerequisites (CPP)

STA 2014C Principles of Statistics GEP
BSC 1005 Biological Principles GEP
PSY 2012 General Psychology GEP
PHY 2XXX Physics Course (GEP)

3. Core Requirements: Basic Level

- None

4. Core Requirements: Advanced Level (56 hrs)

Core Requirements 53 hrs

DEP 2004C Developmental Psychology 3 hrs
SPA 3471 Communication Disorders in Literature and Media 3 hrs
SPA 3101 Physiological Bases of Speech and Hearing 3 hrs
SPA 3112 Basic Phonetics 3 hrs
SPA 3112L Basic Phonetics Lab 1 hr
LIN 3716 Language Development 3 hrs
LIN 3716L Language Development Lab 2 hrs
SPA 3011 Speech Science I: Production 3 hrs
SPA 3011L Speech Production Lab 1 hr
SPA 3104 Neural Bases of Communication 3 hrs
SPA 3123 Speech Science II: Perception 3 hrs
SPA 3123L Speech Perception Lab 1 hr
SPA 4476 Speech Disorders Across the Lifespan 3 hrs
SPA 4032 Audiology 3 hrs
SPA 4478 Multicultural Aspects of Communication Disorders & Differences 3 hrs
SPA 4490 Language Disorders Across the Life Span 3 hrs
SPA 4321 Audiology 3 hrs
LIN 3713 Language Science 3 hrs
SPA 4870C Capstone Course 3 hrs

Select 1: 3 hrs

EAB 3703C Principles of Behavior Modification or 4 hrs
EEX 4601 Introduction to Behavior Management or 3 hrs
EEC 4604 Classroom Management and Guidance for Young Children or 3 hrs
EDF 3303 Learning Environments and Guidance for Young Children or 3 hrs
SPA 3472 Guidance of Young Children with Communication Disorders 3 hrs

Statistics Requirement 3 hrs

Students have two options for completing this requirement:

Option 1: 3 hrs
STA 2023 Statistical Methods I and GEP
STA 4163 Statistical Methods II 3 hrs

Option 2: 3 hrs
STA 2014C Principles of Statistics and GEP
SPA 4803 Research Methods in Communication Sciences and Disorders 3 hrs
or
STA 2023 Statistical Methods I and GEP
SPA 4803 Research Methods in Communication Sciences and Disorders 3 hrs

5. Restricted Electives (9 hrs)

An additional nine credit hours of upper division course work in Communication Sciences and Disorders selected in consultation with an academic advisor.

B.A./B.S. Option:

Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year in college. ASL I, II and III can also be used to fulfill this requirement.

Students pursuing the B.S. degree must complete two upper division health sciences courses (six credit hours) approved by the department.
UCF Degree Programs

6. Capstone Requirements
   SPA 4870C  Capstone Course  3 hrs

7. Foreign Language Requirements
   Admissions
   ■ Two years of one foreign language in high school, or one year of
     one foreign language in college (or equivalent proficiency exam) prior to
     graduation.
   Graduation
   ■ None
   8. Electives
   ■ Students can choose 12 hours of electives. A minor or certificate is
     encouraged.
   9. Additional Requirements
   ■ None
   10. Required Minors
   ■ None
   11. Departmental Exit Requirements
   ■ Students must achieve a minimum grade of “C-” (1.75) in all 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 resi-
     dency 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 the undergraduate program
     coordinator.
   Related Programs
   ■ Health Services Administration
   ■ Psychology
   ■ Social Work
   ■ Exceptional Student Education
   Certificates
   ■ None
   Related Minors
   ■ Exceptional Education
   ■ Early Childhood Education
   ■ Aging Studies
   ■ Health Services Administration
   ■ Interpersonal/Organizational Communication
   ■ Linguistics
   ■ Psychology
   ■ Spanish
   Advising Notes
   ■ Certification in speech-language pathology by the American Speech-
     Language-Hearing Association and licensure by the State of Florida
     Department of Health, Division of Medical Quality Assurance requires a
     master’s degree in Communication Sciences and Disorders.
   Transfer Notes
   ■ “D” (1.0) grades are not accepted
   ■ 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
   ENC 1101  Composition I  3 hrs
   PSY 2012  General Psychology  3 hrs
   BSC 1005L  Biological Principles Laboratory  1 hr
   BSC 1005  Biological Principles  3 hrs
   Free Elective  3 hrs
   Select 1:
   ARH 2050  History of Western Art I or  3 hrs
   ARH 2051  History of Western Art II or  3 hrs
   MUL 2010  Enjoyment of Music or  3 hrs
   THE 2000  Theatre Survey or  3 hrs
   REL 2300  World Religions or  3 hrs
   PHI 2010  Introduction to Philosophy or  3 hrs
   LIT 2110  World Literature I or  3 hrs
   LIT 2120  World Literature II or  3 hrs
   FIL 1000  Cinema Survey  3 hrs

Freshman Year - Spring
   ENC 1102  Composition II  3 hrs
   DEP 2004C  Developmental Psychology  3 hrs
   Select 1:
   PHY 2XXX (Physics Course)  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:
   EUH 2000  Western Civilization I or  3 hrs
   HUM 2210  Humanistic Tradition I or  3 hrs
   AMH 2010  U.S. History: 1492-1877  3 hrs

Sophomore Year - Fall
   SPC 1608  Fundamentals of Oral Communication  3 hrs
   SPA 3471  Communication Disorders in Literature and Media  3 hrs
   Free Elective  3 hrs
   Select 1:
   EUH 2001  Western Civilization II or  3 hrs
   HUM 2230  Humanistic Tradition II or  3 hrs
   AMH 2020  U.S. History: 1877-Present  3 hrs
   Select 1:
   MGF 1106  Finite Mathematics or  3 hrs
   MAC 1105C  College Algebra  3 hrs

Sophomore Year - Spring
   Students taking American Sign Language (ASL) to satisfy B.A. for-
   eign language requirement must complete three semesters of ASL.
   SPA 3112  Basic Phonetics  3 hrs
   SPA 3112L  Basic Phonetics Lab  1 hr
   Foreign Language I (B.A.) or Health Sciences (B.S.) elec-
   tive  3 hrs
   Select 1:
   EAB 3703C  Principles of Behavior Modification or  4 hrs
   EDF 3303  Learning Environments and Guidance for Young Children or  3 hrs
   EEX 4601  Introduction to Behavior Management or  3 hrs
   EEC 4604  Classroom Management and Guidance of Young Children or  3 hrs
   SPA 3472  Guidance of Young Children with Communication Disorders  3 hrs
   Select 1:
   STA 2014C  Principles of Statistics or  3 hrs
   STA 2023  Statistical Methods I  3 hrs

Sophomore Year - Summer
   Students taking American Sign Language (ASL) to satisfy B.A. for-
   eign language requirement must complete three semesters of ASL.
   SPA 3112  Basic Phonetics  3 hrs
   Foreign Language II (B.A.) or Health Sciences (B.S.) elec-
   tive  3 hrs
   Free Elective  3 hrs
### UCF Degree Programs

#### Computer Engineering (B.S.P.E.)

**College of Engineering and Computer Science**  
Department of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 346  
[http://www.eecs.ucf.edu](http://www.eecs.ucf.edu)

**E-mail:** undergraduate@eecs.ucf.edu  
Dr. Samuel Richie  
Charlese Hilton-Brown  
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)

<table>
<thead>
<tr>
<th>Required</th>
<th>Composition I</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required</td>
<td>Composition II</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Select 1:**

<table>
<thead>
<tr>
<th>Suggested</th>
<th>Fundamentals of Technical Presentations or Communication</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Suggested</td>
<td>Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 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  
  - MAC 2311 Calculus with Analytic Geometry I  
  - STA 3032  
  - STA 3032 Probability and Statistics for Engineers  

### D: Social Foundations  
(6 hrs)

- Select 1:
  - ECO 2013 Principles of Microeconomics  
    - 3 hrs
  - ECO 2023 Principles of Microeconomics  
    - 3 hrs

### E: Science Foundations  
(7 hrs)

- Required  
  - PHY 2048C Physics for Engineers & Scientists I  
  - PHY 2049C Physics for Engineers & Scientists II  

- Select one from Science Foundations  
  - 3 hrs

**2. Common Program Prerequisites (CPP)**  
(19 hrs)

- These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. To enroll in CPE major courses, a 2.0 (C or better) in each course is required for those course indicated.

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

-  
  - 1. MAC 2311 Calculus with Analytic Geometry I  
  - 4 hrs
  - 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  
  - 4 hrs
  - 1. PHY 2049C Physics for Engineers & Scientists II  
  - 4 hrs

- **Select 1:**
  - CHS 1440 Fundamentals of Chemistry for Engineers  
    - 4 hrs
  - CHM 2045C Chemistry Fundamentals  
    - 4 hrs

### 3. Core Requirements: Basic Level  
(2 hrs)

- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing these courses, together with the courses required for the major in section 4 below, technical elective courses listed in section 5 below and with the senior design courses listed in section 6 below. Independent study courses generally do not satisfy major requirements.

- EGN 1006C Introduction to the Engineering Profession  
  - 1 hr
- EGN 1007C Engineering Concepts and Methods  
  - 1 hr

### 4. Core Requirements: Advanced Level  
(54 hrs)

**Engineering Core**  
(6 hrs)

<table>
<thead>
<tr>
<th>EGN 3310</th>
<th>Engineering Analysis-Statics</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 3032</td>
<td>Probability and Statistics for Engineers</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Select 1:**

<table>
<thead>
<tr>
<th>EGN 3321</th>
<th>Engineering Analysis-Dynamics</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 3358</td>
<td>Thermo-Fluids-Heat Transfer</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Courses Required for the Major**  
(48 hrs)

- COT 3100C Introduction to Discrete Structures  
  - 3 hrs
- COP 3502C Computer Science I  
  - 3 hrs
- COP 3503C Computer Science II  
  - 4 hrs
- COP 3330 Object Oriented Programming  
  - 3 hrs
- COP 4331C Processes for Object-Oriented Software Development  
  - 4 hrs
- EEL 3004 Electrical Networks  
  - 3 hrs
- EEE 3307C Electronics I  
  - 4 hrs
- EEE 3342C Digital Systems  
  - 3 hrs
- EEL 3801C Computer Organization  
  - 3 hrs
- EEL 4742C Embedded Systems  
  - 4 hrs
- EEL 4768C Computer Architecture  
  - 4 hrs
- EEL 4781 Computer Communication Networks  
  - 3 hrs
- COP 4600 Operating Systems  
  - 3 hrs
UCF Degree Programs

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)
   - EEL 4914 Senior Design I
   - EEL 4915L Senior Design II

7. Foreign Language Requirements
   - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
   - None

8. Electives
   - None

9. Additional Requirements
   - 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
    - 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 Science
   - Electrical Engineering
   - Information Technology
   - Mathematics - Engineering/Physics Track
   - Physics

Certificates
   - None

Related Minors
   - Information Technology
   - Computer Science
   - Intelligent Robotic Systems (IRS) - Interdisciplinary
   - Engineering Leadership
   - Mathematics
   - Physics

Advising Notes
   - Each engineering student should meet regularly with an academic advisor in the major department.
   - 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 from Community Colleges do not substitute for Upper Division Courses unless part of an articulated pre-engineering degree program.
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
Department of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 346 http://www.eecs.ucf.edu

E-mail: undergraduate@eecs.ucf.edu
Dr. Ali Orooji
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 an average of 2.0 in 2-5 courses

1. UCF General Education Program (GEP) (39 hrs)
A: Communication Foundations (9 hrs)
Required ENC 1101 Composition I 3 hrs
Required ENC 1102 Composition II 3 hrs
Select 1:
Prefer SPC 1603 Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)
Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
Required STA 2023 Statistical Methods I 3 hrs

C: Mathematical Foundations (7 hrs)
Required MAC 2311 Calculus with Analytic Geometry I GEP
Required STA 2023 Statistical Methods I

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) (17 hrs)
- A “C” (2.0) or better is required in all courses in this area.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- COP 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:
- 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.
- STA 2023 Statistical Methods I GEP
- COP 3330 Object Oriented Programming 3 hrs
- COP 3502C Computer Science I 3 hrs
- COP 3503C Computer Science II 4 hrs
- ENC 3241 Writing for the Technical Professional 3 hrs
- CDA 3103 Computer Logic and Organization 3 hrs
- COT 3100C Introduction to Discrete Structures 3 hrs
- CIS 3360 Security in Computing 3 hrs
- COP 3402 Systems Software 3 hrs
- COP 3960 CS Foundation Exam 0 hrs

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 4311C Processes for Object-Oriented Development 4 hrs
- EEL 4768C Computer Architecture 4 hrs
- COT 4210 Discrete Structures II 3 hrs
- COP 4020 Programming Languages I 3 hrs
- COP 4600 Operating Systems 3 hrs
- COP 4810 Topics in Computer Science 3 hrs

5. Restricted Electives (15 hrs)
- A “C” (2.0) or better is required in all courses in this area.
- 4000-5000 level Computer Science courses 9 hrs
- 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).

Advanced mathematics or statistics 6 hrs
- Choose at least two courses from the following list of approved choices to satisfy this requirement:
- Any 4000-5000 level courses with STA, MAP, MAA, MAD or MAS prefixes, except independent study hours, internship, or cooperative education hours.
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- MAP 2302 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.

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
- 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
UCF Degree Programs

Honors In Major
- None

Related Programs
- Computer Engineering
- Information Technology

Certificates
- None

Related Minors
- Information Technology
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Interdisciplinary Informatics Technology

Advising Notes
- The Computer Science program offers the Accelerated BS/MS Program to students of high academic standing. This program allows up to twelve hours to be shared between the BS and MS degrees. See your department or the Accelerated program section in the back of this catalog for more information.

Transfer Notes
- Courses 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
- ENC 1101 Composition I 3 hrs
- SPC 1603 Fundamentals of Technical Presentations 3 hrs
- COP 3223 Introduction to Programming with C 3 hrs
- COT 3100C Introduction to Discrete Structures 3 hrs

Freshman Year - Spring 13 hrs
- ENC 1102 Composition II 3 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- COP 3502C Computer Science I 3 hrs
- CDA 3103 Computer Logic and Organization 3 hrs
- COT 3960 CS Foundation Exam 0 hrs

Freshman Year - Summer 7 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- COP 3330 Object Oriented Programming 3 hrs

Sophomore Year - Fall 14 hrs
- COP 3402 Systems Software 3 hrs
- COP 3503C Computer Science II 4 hrs
- PHY 2049C Physics for Engineers and Scientists I 4 hrs
- GEP 3 hrs

Sophomore Year - Spring 14 hrs
- COP 4351C 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
- CIS 3360 Security in Computing 3 hrs

Sophomore Year - Summer 6 hrs
- STA 2023 Statistical Methods I 3 hrs
- GEP 3 hrs

Junior Year - Fall 14 hrs
- EEL 4768C Computer Architecture 4 hrs
- COP 4020 Programming Languages I 3 hrs
- BSC 2010C Biology I 4 hrs
- GEP 3 hrs

Junior Year - Spring 13 hrs
- COP 4600 Operating Systems 3 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- Math/Stat Restricted Elective 3 hrs
- CS Restricted Elective 3 hrs

Junior Year - Summer 3 hrs
- COT 4210 Discrete Structures II 3 hrs

Senior Year - Fall 12 hrs
- COP 4610 Topics in Computer Science 3 hrs
- CS Restricted Elective 3 hrs
- GEP 3 hrs
- Free Elective 3 hrs

Senior Year - Spring 12 hrs
- CS Restricted Elective 3 hrs
- GEP 3 hrs
- Math/Stat Restricted Elective 3 hrs
- Multicultural Elective 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oesas.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

Carol Ann Pohl, carol.pohl@ucf.edu
Dr. Amr A. Olouf, amr.oula@ucf.edu
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.

A "C" (2.0) or better is required in each pre-requisite course listed in section 2 Common Program Prerequisites, section 3 Basic Core Requirements, section 4 Advanced Core Requirements, and section 6 Capstone 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 one class from Social Foundation Group 1 3 hrs
- Select one course from Social Foundation Group 2 3 hrs

E: Science Foundations (7 hrs)
- Required PHY 2048C Physics for Engineers & Scientists I 4 hrs
- Prefer GEO 1200 Physical Geography 3 hrs

2. Common Program Prerequisites (CPP) (19 hrs)
- These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. Note: MAC 2311 and PHY 2048/48L also satisfy UCF GEP.
Select one of the following sequences of courses:

- Preferred course
  CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs

or - First alternative: Select both of the following:
  CHM 2040 Chemistry Fundamentals IA and 3 hrs
  CHM 2041 Chemistry Fundamentals IB 3 hrs

or - Second alternative
  CHM 2045C Chemistry Fundamentals I 4 hrs

3. Core Requirements: Basic Level (2 hrs)
   EGN 1006C Introduction to the Engineering Profession 1 hr
   EGN 1007C Engineering Concepts and Methods 1 hr

4. Core Requirements: Advanced Level (60 hrs)
   1 EGN 3310 Engineering Analysis-Statics 3 hrs
   1 EGN 3321 Engineering Analysis-Dynamics 3 hrs
   1 EGN 3331 Mechanics of Materials 3 hrs
   1 STA 3032 Probability and Statistics for Engineers 3 hrs
   1 EGN 3613 Engineering Economic Analysis 2 hrs
   1 ENV 3001 Introduction to Environmental Engineering 3 hrs
   1 CWR 3201 Engineering Fluid Mechanics 3 hrs
   1 CCE 4003 Introduction to the Construction Industry 3 hrs
   1 CCE 4034 Construction Estimating and Scheduling 3 hrs
   1 CCE 4813 Mechanical and Electrical Systems for Buildings 4 hrs
   1 CCE 4402 Construction Equipment and Productivity 3 hrs
   1 CCE 4004 Construction Methods 3 hrs
   1 CEG 3501C Civil Engineering Materials 3 hrs
   1 CEN 3700C Civil Engineering Measurements 4 hrs
   1 CWR 4632C Water Resources Engineering I 4 hrs
   1 AGG 2071 Principles of Managerial Accounting 3 hrs
   1 CES 4100C Structural Analysis I and Lab 4 hrs

Structural Depth
   CES 4605 Steel Structures or 3 hrs
   CES 4702 Reinforced Concrete Structures 3 hrs

Additional Area Depth Sequence
- Geotechnical Engineering
  1 CEG Geotechnical Engineering I and 4 hrs
  4011C
  1 CEG 4012 Geotechnical Engineering II 3 hrs

or - Transportation Engineering
   TTE 3810 Highway Engineering and 3 hrs
   TTE 4274 Transportation Engineering Systems 3 hrs

5. Restricted Electives (3 hrs)
   - Technical electives are available in the BSCenE program to address specific student interests in a variety of technical areas. Students should consult the CEE website 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
     1 CCE 4810C Construction Design Project 3 hrs
     CGN 4808C CEEC Capstone Design 3 hrs

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.
   - None

8. Electives
   - None

9. Additional Requirements
   - Construction engineering students must take the Fundamentals of Engineering (FE) Exam during their Senior year. Applications must be received by the Florida Board of Professional Engineers approximately 6 months in advance of your exam date. The exam is offered in April and October only.
   - 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 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
   - None

Environmental Engineering

Certificates
   - None

Related Minors
   - Mathematics
   - Engineering Leadership
   - Business

Advising Notes
   - Each engineering student is assigned a qualified engineering academic advisor in the department of his/her major. Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.

   The Construction Engineering program offers the opportunity for exceptionally well qualified undergraduates to enter directly into the PhD program after completion of an appropriate BS degree. This option allows outstanding undergraduates to begin planning a research program with a specific faculty advisor even before finishing the BS, and may allow completion of the PhD in a shorter time period than by taking a separate Master's followed by the PhD.

Transfer Notes
   - Courses 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.

   ENC 1101 Composition I 3 hrs
   GEP 6 hrs
   MAC 2311 Calculus with Analytic Geometry I 4 hrs
   MAC 2312 Calculus with Analytic Geometry II 4 hrs
   EGN 1006C Introduction to the Engineering Profession 1 hr
UCF Degree Programs

Freshman Year - Spring  
- ENC 1102 Composition II 3 hrs  
- GEP  3 hrs  
- MAC 2312 Calculus with Analytic Geometry II 4 hrs  
- PHY 2048C Physics for Engineers & Scientists I 4 hrs  
- EGN 1007C Engineering Concepts and Methods 1 hr  

Sophomore Year - Fall  
- MAC 2313 Calculus with Analytic Geometry III 4 hrs  
- CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs  
- EGN 3310 Engineering Analysis-Statistics 3 hrs  
- EGN 3613 Engineering Economic Analysis 2 hrs  
- GEP  3 hrs  

Sophomore Year - Spring  
- MAP 2302 Differential Equations 3 hrs  
- EGN 3331 Mechanics of Materials 3 hrs  
- PHY 2049C Physics for Engineers and Scientists II 4 hrs  
- ENV 3001 Introduction to Environmental Engineering 3 hrs  
- GEP  3 hrs  

Sophomore Year - Summer  
- CCE 4003 Introduction to the Construction Industry 3 hrs  
- CWR 3201 Engineering Fluid Mechanics 3 hrs  
- EGN 3321 Engineering Analysis-Dynamics 3 hrs  

Junior Year - Fall  
- CES 4100C Structural Analysis I and Lab 4 hrs  
- GEP  3 hrs  
- CCE 4034 Construction Estimating and Scheduling 3 hrs  
- CCE 4813 Mechanical and Electrical Systems for Buildings 4 hrs  
- STA 3032 Probability and Statistics for Engineers 3 hrs  

Junior Year - Spring  
- CCE 4004 Construction Methods 3 hrs  
- CCE 4402 Construction Equipment and Productivity 3 hrs  
- CGN 3501C Civil Engineering Materials 3 hrs  
- CGN 3700C Civil Engineering Measurements 4 hrs  

Concrete or Steel  
- CES 4065 Steel Structures or 3 hrs  
- CES 4702 Reinforced Concrete Structures 3 hrs  

Senior Year - Fall  
- CCE 4810C Construction Design Project 3 hrs  
- CWR 4632C Water Resources Engineering I 4 hrs  
- Approved Technical Elective 3 hrs  

Select 1:  
- CEG 4011C Geotechnical Engineering I or 3 hrs  
- TTE 3810 Highway Engineering 4 hrs  

Select 1:  
- Take subsequent course to one selected in Fourth Year Fall.  
- CEG 4012 Geotechnical Engineering II or 3 hrs  
- TTE 4274 Transportation Engineering Systems 3 hrs  

Program Academic Learning Compacts  
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.o eas.ucf.edu/alc/academic_learning_compacts.htm

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/crim.jus/  
E-mail: cjadvise@mail.ucf.edu

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)  
   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 or 3 hrs  
- Suggested STA 1060C Basic Statistics Using Microsoft Excel or 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)  

2. Common Program Prerequisites (CPP)  
- None

3. Core Requirements: Basic Level  
- None

4. Core Requirements: Advanced Level  
   (18 hrs)  
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   - CCJ 3024 Criminal Justice System 3 hrs  
   - CCJ 3014 Crime in America 3 hrs  
   - CJE 3510 Prosecution and Adjudication 3 hrs  
   - CJC 3010 Corrections and Penology 3 hrs  
   - CJE 4014 Police and Society 3 hrs  
   - CCJ 4701 Research Methods in Criminal Justice 3 hrs  

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)

### Plan of Study

**Total Semester Hours Required**: 120

**Honors in Major**: Interested students should consult with a faculty advisor.

**Certificates**
- None

**Related Programs**
- Legal Studies
- Criminal Justice
- Psychology

**Advising Notes**
- None

**Transfer Notes**
- “D” (1.0) grades are not accepted.

### Acceptable Substitutes for Transfer Courses
- None

#### 13. Provisions for Transfer Credit

#### 14. Plan of Study

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<thead>
<tr>
<th>Year</th>
<th>Fall</th>
<th>Spring</th>
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<tbody>
<tr>
<td>Freshman</td>
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<tr>
<td>Freshman Year</td>
<td>ENC 1101</td>
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</table>

**Sophomore Year - Fall**
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- Free Elective 3 hrs

**Select 1**: 3 hrs
- ARH 2050 History of Western Art I or 3 hrs
- THE 2000 Theatre Survey or 3 hrs
- REL 2300 World Religions or 3 hrs
- PHI 2010 Introduction to Philosophy or 3 hrs
- LIT 2110 World Literature I or 3 hrs
- LIT 2120 World Literature II 3 hrs

**Sophomore Year - Spring**
- UCC 3024 Criminal Justice System 3 hrs
- 3 hrs
- CJE 4014 Police and Society 3 hrs
- CJ 4701 Research Methods in Criminal Justice 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs
- CJ Elective 3 hrs

**Junior Year - Fall**
- CUJ 3510 Prosecution and Adjudication 3 hrs
- CJ 3010 Corrections and Penology 3 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs
- CJ Elective 3 hrs

**Junior Year - Spring**
- CJE 4014 Police and Society 3 hrs
- CCJ 4701 Research Methods in Criminal Justice 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs

**Senior Year - Fall**
- CCJ 3014 Crime in America 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs

**Senior Year - Spring**
- Restricted Elective or CCJ Internship 3 hrs

<table>
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<tr>
<th>Select 1:</th>
<th>3 hrs</th>
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1. If necessary

### Program Academic Learning Compacts
- **Program Academic Learning Compacts**

### Digital Media (B.A.)
- **College of Arts and Humanities**
- **School of Visual Arts and Design, 12461 Research Parkway, 500 OTC**
- [http://www.svad.cah.ucf.edu](http://www.svad.cah.ucf.edu)

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 understand-
UCF Degree Programs

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 and DIG 4713 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: 9 hrs

Required ARH 2050 History of Western Art I and 3 hrs

Required ARH 2051 History of Western Art II and 3 hrs

Select 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 1105C College Algebra 3 hrs

1 (May substitute more advanced version)

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (6 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 2300C Drawing Fundamentals I 3 hrs

COP 2500C Concepts in Computer Science GEP

MAC 1105C 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.

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 4530C 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:

■ NOTE: DIG 4725C must be taken at least two times. It is repeatable for credit.

12 Additional hrs of 3000 or 4000 level courses from ART, ARH, FIL, GRA, DIG or any 3000 or 4000 level courses approved by the school.

DIG 4725C Game Design Workshop 6 hrs

Web Design (42 hrs)

Web Design: Basic Concentration (24 hrs)

DIG 3134 Media Software Design and 3 hrs

DIG 3563 Information Management and 3 hrs

Entrepreneurship and 3 hrs

DIG 3821 3 hrs

DIG 4050 Rapid Application Web Development and 3 hrs

DIG 4530C Media for e-Commerce and 3 hrs

DIG 4630C Media Business Practices 3 hrs

Web Design: Restricted Electives (18 hrs)

■ Complete 18 hours of credits from the following areas:

■ Note: DIG 4104C must be taken at least two times. It is repeatable for credit.

12 additional hrs of 3000 or 4000 level courses from ART, ARH, FIL, GRA, DIG or any 3000 or 4000 level digital media courses approved by the school.

DIG 4104C Web Design Workshop 6 hrs

5. Restricted Electives

■ None

6. Capstone Requirements

■ None

7. Foreign Language Requirements

Admissions

■ Met by graduation requirement.

Graduation

■ Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives

■ Electives may be taken in allied programs such as Art, Music, Philosophy, English, Film, the Nicholson School of Communication, Computer Science, etc. as approved by the School.

9. Additional Requirements

■ None

10. Required Minors

■ None

11. Departmental Exit Requirements

■ None

12. University Minimum Exit Requirements

■ A 2.0 UCF GPA

■ 60 semester hours earned after CLEP awarded

■ 48 semester hours of upper division credit completed

■ 30 of the last 39 hours of course work must be completed in residency at UCF

■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

■ Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

■ 120

Honors in Major

■ None

Related Programs

■ Computer Science

■ English - Creative Writing

■ English - Literature

■ English - Technical Communication

■ Film - Cinema Studies Track

■ Music

Certificates

■ None
Related Minors
- Art - Studio
- Information Technology
- Computer Science
- English - Technical Communication
- Film - Cinema Studies
- Music

Advising Notes
- 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/aic/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/eece/
E-mail: ece@mail.ucf.edu
Dr. Judy Levin, ED 122L, jlevin@mail.ucf.edu
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 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 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 prior to admission to the major. 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)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>B: Cultural &amp; Historical Foundations (9 hrs)</td>
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</tr>
<tr>
<td>A: Communication Foundations (9 hrs)</td>
<td></td>
</tr>
<tr>
<td>Required</td>
<td>ENC 1101 Composition I 3 hrs</td>
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<td>Required</td>
<td>ENC 1102 Composition II 3 hrs</td>
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<td>Prefer</td>
<td>SPC 1608 Fundamentals of Oral Communication 3 hrs</td>
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<td>C: Mathematical Foundations (6 hrs)</td>
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<tr>
<td>Select 1: STA 1060C Basic Statistics Using Microsoft Excel or 3 hrs</td>
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<tr>
<td>Prefer</td>
<td>STA 2014C Principles of Statistics 3 hrs</td>
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<tr>
<td>Suggested</td>
<td>MGF 1106 Finite Mathematics or 3 hrs</td>
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<tr>
<td>Suggested</td>
<td>MGF 1107 Explorations in Mathematics 3 hrs</td>
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<td>D: Social Foundations (6 hrs)</td>
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<tr>
<td>Prefer</td>
<td>POS 2041 American National Government 3 hrs</td>
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<td>PSY 2012 General Psychology 3 hrs</td>
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<td>Prefer</td>
<td>PSC 1121 Physical Science 3 hrs</td>
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<tr>
<td>Prefer</td>
<td>ANT 2511 The Human Species or 3 hrs</td>
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<tr>
<td>Prefer</td>
<td>BSC 1005 Biological Principles 3 hrs</td>
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2. Common Program Prerequisites (CPP) (9 hrs)

- 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 required prior to admission to the major. FTCE Professional Education Test (PEd) and Subject Area Examination (SAE-Prekindergarten/Primary PK-3) - passing scores strongly recommended prior to application for Internship.

3. Core Requirements: Basic Level (15 hrs)

Other Program Prerequisites
- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- EDF 2720 Children in Schools: Legal, Ethical and Safety Concerns 3 hrs
- EEC 4731 Health, Safety, and Nutrition for Young Children 3 hrs

Students are advised to take the preferred courses.

A: Communication Foundations (9 hrs)
- Required
- ENC 1101 Composition I 3 hrs
- 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: Prefer a second course from GEP section B1

Select 1: (3 hrs)
- STA 1060C Basic Statistics Using Microsoft Excel or 3 hrs
- STA 2014C Principles of Statistics 3 hrs

Select 1: (3 hrs)
- MGF 1106 Finite Mathematics or 3 hrs
- MGF 1107 Explorations in Mathematics 3 hrs

D: Social Foundations (6 hrs)
- POS 2041 American National Government 3 hrs
- PSY 2012 General Psychology 3 hrs

E: Science Foundations (6 hrs)
- PSC 1121 Physical Science 3 hrs
- ANT 2511 The Human Species or 3 hrs
- 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

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

**Select 1:**
- MAC 1105C College Algebra or 3 hrs
- MAE 2801 Elementary School Mathematics 4 hrs

**Select 1:**
- 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 GPA for admission to Internship.

#### Semester I
- 15 hrs
  - Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required prior to admission to the major.
  - EEC 3700 Social and Emotional Development of Young Children 3 hrs
  - EEC 4661 Early Childhood Education Theory and Practice 3 hrs
  - RED 3310 Early Reading, Writing and Language Arts 3 hrs
  - EEX 4751 Parent Involvement in Education 3 hrs
  - TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

#### Semester II
- 15 hrs
  - Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended to be taken during Semester III.
  - EEC 4604 Classroom Management and Guidance of Young Children 3 hrs
  - EEC 4207 Assessment and Evaluation of Young Children 3 hrs
  - TSL 4240 Issues in Second Language Acquisition 3 hrs
  - EEC 4268 Curriculum Activities in Early Childhood 3 hrs
  - EEX 3450 Young Children With Special Needs 3 hrs

#### Summer
- 6 hrs
  - Passing score on the Subject Area Examination (Pre-kindergarten/Primary PK-3) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship.
  - EEC 4303 Planning Creative Activities in Early Childhood Education 3 hrs
  - RED 3012 Basic Foundations of Reading 3 hrs

#### Semester III
- 12 hrs
  - 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 Student Teaching (EEC 4943 Internship).
  - Students must apply and be approved for Internship. Deadline dates and applications are available through the Office of Clinical Experiences at [http://www.clinicalexperiences.education.ucf.edu](http://www.clinicalexperiences.education.ucf.edu).
  - MAE 4300 Math Curriculum and Assessment in Early Childhood 3 hrs
  - SCE 4304 Teaching Science and Technology to Young Children 3 hrs
  - RED 4311 Primary Reading, Writing, and Language Arts Curriculum and Assessment 3 hrs
  - EEC 4235C Early Childhood Education Seminar: Bridging Theory to Practice 3 hrs

#### Semester IV
- 12 hrs
  - 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.
  - EEC 4943 Student Teaching 12 hrs

### 5. Restricted Electives
- None

### 6. Capstone Requirements
- None

### 7. Foreign Language Requirements

#### Admissions
- State University System foreign language admission requirement:
  - Two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

#### Graduation
- None

### 8. Electives
- None

### 9. Additional Requirements
- None

### 10. Required Minors
- None

### 11. Departmental Exit Requirements
- Achieve a minimum overall 2.75 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](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

### Honors In Major
- None

### Related Programs
- None

### Certificates
- None

### Related Minors
- None

### Advising Notes
- None

### Transfer Notes
- None

### Acceptable Substitutes for Transfer Courses
- None

### Plan of Study
- This recommended sequence may vary at selected regional campus locations. Consult with your Education advisor and review your degree audit for more recent information.

#### Freshman Year - Fall
- 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
- 15 hrs
  - EDF 2085 Introduction to Diversity for Educators 3 hrs
  - ENC 1102 Composition II 3 hrs
  - MAC 1105C College Algebra 3 hrs
  - PSC 1121 Physical Science 3 hrs

#### Select 1:
- 3 hrs
  - REL 2300 World Religions or 3 hrs
  - PHI 2010 Introduction to Philosophy or 3 hrs
  - LIT 2110 World Literature I or 3 hrs
  - LIT 2120 World Literature II 3 hrs

#### Freshman Year - Summer
- 6 hrs
  - POS 2041 American National Government 3 hrs

#### Select 1:
- 3 hrs
  - ARE 2000 Early Childhood Art and Creativity or 3 hrs
  - MUE 2211 Early Childhood Music and Movement 3 hrs
**Sophomore Year - Fall**  
15 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs

Select 1:

- **BSC 1005** Biological Principles or 3 hrs
- **ANT 2511** The Human Species 3 hrs

Select 1:

- STA 2014C Principles of Statistics or 3 hrs
- STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
- GEP B1 Elective ( Prefer AMH 2010) 3 hrs

**Sophomore Year - Spring**  
12 hrs
- 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

**Junior Year - Fall**  
15 hrs
- EEC 3700 Social and Emotional Development of Young Children 3 hrs
- EEC 4661 Early Childhood Education Theory and Practice 3 hrs
- RED 3310 Early Reading, Writing and Language Arts 3 hrs
- EEX 4751 Parent Involvement in Education 3 hrs
- TSL 4080 Theory and Practice of Teaching ESL Students in Schools 3 hrs

**Junior Year - Spring**  
15 hrs
- EEC 4604 Classroom Management and Guidance of Young Children 3 hrs
- EEC 4207 Assessment and Evaluation of Young Children 3 hrs
- TSL 4240 Issues in Second Language Acquisition 3 hrs
- EEC 4268 Curriculum Activities in Early Childhood 3 hrs
- EEX 3450 Young Children With Special Needs 3 hrs

**Junior Year - Summer**  
6 hrs
- EEC 3900 Social and Emotional Development of Young Children 3 hrs
- RED 3012 Basic Foundations of Reading 3 hrs

**Senior Year - Fall**  
12 hrs
- MAE 4300 Math Curriculum and Assessment in Early Childhood 3 hrs
- SCE 4304 Teaching Science and Technology to Young Children 3 hrs
- RED 4311 Primary Reading, Writing, and Language Arts Curriculum and Assessment 3 hrs
- EEC 4235C Early Childhood Education Seminar: Bridging Theory to Practice 3 hrs

**Senior Year - Spring**  
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.oeas.ucf.edu/alc/academic_learning_compacts.htm

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**Track 2: Early Childhood Development (B.S.)**

**Department of College of Education**

**Education Complex, Room: 209**

[http://education.ucf.edu/ece/](http://education.ucf.edu/ece/)

**E-mail: ece@mail.ucf.edu**

Dr. Judy Levin, 222L, jlevin@mail.ucf.edu  
407-823-4615

**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.
- 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**
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

**B: Cultural & Historical Foundations**
- General Education Program elective from section B2: 3 hrs
- Prefer REL 2300 World Religions or 3 hrs
- Prefer PHI 2010 Introduction to Philosophy or 3 hrs
- Prefer LIT 2110 World Literature I or 3 hrs
- Prefer LIT 2120 World Literature II or 3 hrs

**C: Mathematical Foundations**
- General Education Program elective from section B1 to meet Gordon Rule Requirement.
- General Education Program elective: Prefer a second course from GEP section B1.

**D: Social Foundations**
- Prefer PSC 1121 Physical Science 3 hrs

**E: Science Foundations**
- Prefer 1200C Basic Statistics Using Microsoft Excel or 3 hrs
- Prefer 12041 American National Government 3 hrs
### UCF Degree Programs

**Prefer**
- ANT 2511 The Human Species or
- BSC 1005 Biological Principles 3 hrs

2. **Common Program Prerequisites (CPP)** (6 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   - EDF 2085 Introduction to Diversity for Educators 3 hrs
   - DEP 2004C Developmental Psychology 3 hrs

3. **Core Requirements: Basic Level** (18 hrs)
   - MUE 2211 Early Childhood Music and Movement 3 hrs
   - ARE 2000 Early Childhood Art and Creativity 3 hrs
   - SYG 2010 Social Problems 3 hrs
   - Select 1:
     - EDF 2130 Child and Adolescent Development for Educators or
     - SW 3104 Assessing I: Human Development 3 hrs
   - Select two electives - Meet with advisor for guidance in selecting electives

4. **Core Requirements: Advanced Level** (60 hrs)
   - All methods/specialization/foundations courses must be completed with a letter grade of "C" (2.0) or better before registering for Practicum: Early Childhood Development. However, a minimum GPA of 2.75 is required in the professional, specialization and overall for admission to Practicum: Early Childhood Development.
   - Semester I
     - EEC 3700 Social and Emotional Development of Young Children 3 hrs
     - EEC 4661 Early Childhood Education Theory and Practice 3 hrs
     - RED 3310 Early Reading, Writing and Language Arts 3 hrs
     - EEX 4751 Parent Involvement in Education 3 hrs
     - LIN 3716 Language Development 3 hrs
   - Semester II
     - EEC 4604 Classroom Management and Guidance of Young Children 3 hrs
     - EEC 4207 Assessment and Evaluation of Young Children 3 hrs
     - PET 4050C Motor Development and Learning 3 hrs
     - LAE 3414 Literature for Children 3 hrs
     - EEX 3450 Young Children With Special Needs 3 hrs
   - Summer
     - EEC 4303 Planning Creative Activities in Early Childhood Education 3 hrs
     - EEC 4731 Health, Safety, and Nutrition for Young Children 3 hrs
   - Semester III
     - EEC 4402 Cultural and Family Systems 3 hrs
     - EEC 4528 Infant/Toddler Care and Education 3 hrs
     - EEC 4414 Parent-Child Relations 3 hrs
     - Select one Early Childhood Development Track Elective 3 hrs
   - Note: Students must consult with their advisor regarding approval for other elective options.
     - EEC 4288 Curriculum Activities in Early Childhood or
     - EEC 4524 Organization and Management in Early Childhood or
     - EXP 3604C Cognitive Psychology or
     - PEO 3041 Games Analysis or
     - PET 3820 Teaching Sports Skills I or
     - PET 4640 Adapted Physical Education or
     - PET 4710 Methods for Physical Activity for Children and Adolescents or
     - TSL 4080 Theory and Practice of Teaching ESOL Students in Schools or
     - SOW 4650 Child Abuse: Treatment and Prevention or
     - SOW 4654 Children's Services 3 hrs
   - Semester IV
     - EEC 4940 Practicum: Early Childhood Development 12 hrs

5. **Restricted Electives**
   - None

6. **Capstone Requirements**
   - None

7. **Foreign Language Requirements**

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**Admissions**
- State University System foreign language admission requirement: Two years in high school or one year 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** 12 hrs
- 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** 15 hrs
- ENC 1102 Composition II 3 hrs
- SYG 2010 Social Problems 3 hrs
- PSY 2012 General Psychology 3 hrs
- PSC 1121 Physical Science 3 hrs
- Select 1: 3 hrs
- REL 2300 World Religions or
- PHI 2010 Introduction to Philosophy or
- LIT 2110 World Literature I or
- LIT 2120 World Literature II or

**Freshman Year - Summer** 6 hrs
- ARE 2000 Early Childhood Art and Creativity 3 hrs
- MUE 2211 Early Childhood Music and Movement 3 hrs
The Bachelor of Arts in Economics is designed for students who wish to receive 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
   Required STA 2023 Statistical Methods I

   D: Social Foundations (6 hrs)
   Suggested ECO 2013 Principles of Macroeconomics
   or
   Suggested ECO 2023 Principles of Microeconomics

   Select 1: 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
■ None

4. Core Requirements: Advanced Level (16 hrs)
   ECO 3101 Intermediate Microeconomics
   ECO 3203 Intermediate Macroeconomics
   ECO 4451 Research Methods in Economics

   Select one of the following sequences of courses:

   ECO 3401 Quantitative Business Tools I
   or
   MAC 2233 Concepts of Calculus and STA 2023 Statistical Methods I
       Students must receive a “C” (2.0) or better in MAC 2233
       and STA 2023 to be waived from ECO 3401

   Select one of the following sequences of courses:

6. Restricted Electives (18 hrs)
   ■ All B.A. Economics majors will be required to take a minimum of six (6) electives by choosing from the following
   ECO 3223 Money and Banking
   ECO 3410 Mathematical Economics

**Economics (B.A.)**

**College of Business Administration**

**Department of Economics, Business Administration II, Room: 305**

[Link to the Department of Economics website]

The Bachelor of Arts in Economics is designed for students who wish to receive specialized training in Economics within a broad liberal arts education. Flexibility to select from a variety of courses allows students to customize their education to their personal interests and career goals. These courses 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
   Required STA 2023 Statistical Methods I

   D: Social Foundations (6 hrs)
   Suggested ECO 2013 Principles of Macroeconomics
   or
   Suggested ECO 2023 Principles of Microeconomics

   Select 1: 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
■ None

4. Core Requirements: Advanced Level (16 hrs)
   ECO 3101 Intermediate Microeconomics
   ECO 3203 Intermediate Macroeconomics
   ECO 4451 Research Methods in Economics

   Select one of the following sequences of courses:

   ECO 3401 Quantitative Business Tools I
   or
   MAC 2233 Concepts of Calculus and STA 2023 Statistical Methods I
       Students must receive a “C” (2.0) or better in MAC 2233
       and STA 2023 to be waived from ECO 3401

   Select one of the following sequences of courses:

6. Restricted Electives (18 hrs)
   ■ All B.A. Economics majors will be required to take a minimum of six (6) electives by choosing from the following
   ECO 3223 Money and Banking
   ECO 3410 Mathematical Economics

**Economics (B.A.)**

**College of Business Administration**

**Department of Economics, Business Administration II, Room: 305**

[Link to the Department of Economics website]

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**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
   Required STA 2023 Statistical Methods I

   D: Social Foundations (6 hrs)
   Suggested ECO 2013 Principles of Macroeconomics
   or
   Suggested ECO 2023 Principles of Microeconomics

   Select 1: 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
■ None

4. Core Requirements: Advanced Level (16 hrs)
   ECO 3101 Intermediate Microeconomics
   ECO 3203 Intermediate Macroeconomics
   ECO 4451 Research Methods in Economics

   Select one of the following sequences of courses:

   ECO 3401 Quantitative Business Tools I
   or
   MAC 2233 Concepts of Calculus and STA 2023 Statistical Methods I
       Students must receive a “C” (2.0) or better in MAC 2233
       and STA 2023 to be waived from ECO 3401

   Select one of the following sequences of courses:

6. Restricted Electives (18 hrs)
   ■ All B.A. Economics majors will be required to take a minimum of six (6) electives by choosing from the following
   ECO 3223 Money and Banking
   ECO 3410 Mathematical Economics

**Economics (B.A.)**

**College of Business Administration**

**Department of Economics, Business Administration II, Room: 305**

[Link to the Department of Economics website]

The Bachelor of Arts in Economics is designed for students who wish to receive specialized training in Economics within a broad liberal arts education. Flexibility to select from a variety of courses allows students to customize their education to their personal interests and career goals. These courses 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
   Required STA 2023 Statistical Methods I

   D: Social Foundations (6 hrs)
   Suggested ECO 2013 Principles of Macroeconomics
   or
   Suggested ECO 2023 Principles of Microeconomics

   Select 1: 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
■ None

4. Core Requirements: Advanced Level (16 hrs)
   ECO 3101 Intermediate Microeconomics
   ECO 3203 Intermediate Macroeconomics
   ECO 4451 Research Methods in Economics

   Select one of the following sequences of courses:

   ECO 3401 Quantitative Business Tools I
   or
   MAC 2233 Concepts of Calculus and STA 2023 Statistical Methods I
       Students must receive a “C” (2.0) or better in MAC 2233
       and STA 2023 to be waived from ECO 3401

   Select one of the following sequences of courses:

6. Restricted Electives (18 hrs)
   ■ All B.A. Economics majors will be required to take a minimum of six (6) electives by choosing from the following
   ECO 3223 Money and Banking
   ECO 3410 Mathematical Economics
UCF Degree Programs

ECO 3703 International Microeconomics 3 hrs
ECO 3704 Global Economic Policy 3 hrs
ECO 4303 History of Economic Thought 3 hrs
ECO 4412 Econometrics 3 hrs
ECO 4504 Public Economics 3 hrs
ECO 4713 International Macroeconomics 3 hrs
ECO 4751 Law and Economics 3 hrs
ECP 3203 Labor Economics 3 hrs
ECP 4303 Environmental and Natural Resource Economics 3 hrs
ECG 4403 Industrial Organization and Game Theory 3 hrs
ECS 4013 Development Economics 3 hrs

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.

11. Departmental Exit Requirements
  Students majoring in Economics must earn a grade of "C" (2.0) or better in every course applied towards the major as well as a 2.0 overall average in the major.
  Computer Competency 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)

Total Semester Hours Required
  120

Honors in Major
  None

Related Programs
  Economics, Business

Certificates
  None

Related Minors
  Computer Science
  Legal Studies
  Mathematics
  Political Science
  Psychology
  Sociology
  Statistics

Advising Notes
  None

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.
  ECO 2013 and 2023 are prerequisites for all subsequent economics courses.

Acceptable Substitutes for Transfer Courses
  None

Plan of Study

Freshman Year - Fall 15 hrs
  Free Elective 3 hrs
  ECO 1101 Mathematical Economics 3 hrs
  ENC 1101 Composition I 3 hrs
  MAC 1140 Pre-Calculus Algebra 3 hrs
  SPC 1608 Fundamentals of Oral Communication 3 hrs

  (or Calculus)

Freshman Year - Spring 15 hrs
  ECO 2023 Principles of Microeconomics 3 hrs
  ENC 1102 Composition II 3 hrs
  STA 2023 Statistical Methods I 3 hrs
  *"C" (2.0) or better grade required in each class

Sophomore Year - Fall 15 hrs
  ECO 2013 Principles of Microeconomics 3 hrs
  ECO 3401 Quantitative Business Tools I 3 hrs
  Foreign Language 3 hrs
  *"C" (2.0) or better grade required in each class
  (if no prior Calculus)

Sophomore Year - Spring 15 hrs
  Foreign Language 3 hrs
  Free Elective 3 hrs
  Free Elective 3 hrs
  ECO 3101 Intermediate Microeconomics 3 hrs

Junior Year - Fall 15 hrs
  ECO Elective 3 hrs
  ECO Elective 3 hrs
  ECO Elective / Minor 3 hrs
  ECO Elective / Minor 3 hrs
  ECO 3203 Intermediate Microeconomics 3 hrs
  ECO 3411 Quantitative Business Tools II 4 hrs
  * 18 hours (minimum) of minor required.
  (or STA 4163 or STA4321)

Junior Year - Spring 15 hrs
  ECO Elective 3 hrs
  ECO Elective 3 hrs
  ECO Elective / Minor 3 hrs
  ECO Elective / Minor 3 hrs
  Free Elective 3 hrs
  Free Elective 3 hrs
  ECO 4403 Industrial Organization and Game Theory 3 hrs
  ECO 4407 Advanced Quantitative Business Tools 3 hrs
  * 18 hours (minimum) of minor required.

Senior Year - Fall 15 hrs
  ECO Elective 3 hrs
  ECO Elective 3 hrs
  ECO Elective 3 hrs
  ECO Elective / Minor 3 hrs
  ECO Elective / Minor 3 hrs
  ECO Elective / Minor 3 hrs
  * 18 hours (minimum) of minor required.

Senior Year - Spring 15 hrs
  ECO Elective 3 hrs
  ECO Elective 3 hrs
  ECO Elective 3 hrs
  ECO Elective 3 hrs
  ECO Elective 3 hrs
  ECO 4451 Research Methods in Economics 3 hrs
  * 18 hours (minimum) of minor required.

Program Academic Learning Compacts
  Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oelas.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fees
  Part-Time Student: $15 per term
  Full-Time Student: $30 per term
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, BA 2020, mcaputo@bus.ucf.edu, 407-823-1405
David Scrogin, BA 302U, 407-823-4129
Nora Underwood, BA 302N, 407-823-1403

The Business Economics major for the Bachelor of Science in Business Administration is designed for students who wish to receive specialized training in Economics along with core skills in business administration. Flexibility to select from a variety of courses allows students to customize their education program to their personal interests and career goals. This degree provides skills and training for careers in business and industry, law, government, politics, teaching, research, and a variety of other areas. This degree also provides a strong foundation for future graduate studies in business, economics, law and public administration. Successful completion of this program leads to the Bachelor of Science in Business Administration degree with a major in Economics.

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)
   A: Communication Foundations (9 hrs)
   Select 1:
   - Fundamentals of Oral Communication
   - Suggested: SPC 1008

   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   - Required: GGS 2100C Computer Fundamentals for Business
   - Required: MAC 1140 Pre-Calculus Algebra

   D: Social Foundations (6 hrs)
   Select 1:
   - Suggested: ECO 2013 Principles of Macroeconomics
   - Suggested: ECO 2023 Principles of Microeconomics

   Select 1:
   - Suggested: ANT 2000 General Anthropology
   - Suggested: PSY 2012 General Psychology
   - Suggested: SYG 2000 Introduction to Sociology

2. Common Program Prerequisites (CPP) (21 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
   ACG 2071 Principles of Managerial Accounting
   CGS 2100C Computer Fundamentals for Business
   ECO 2013 Principles of Macroeconomics
   ECO 2023 Principles of Microeconomics

   Select one of the following sequences of courses:
   - Students must receive a "C" (2.0) or better in MAC 2233 and STA 2023 to be waived from ECO 3401.

   ECO 3401 Quantitative Business Tools I
   or
   1 MAC 2233 Concepts of Calculus and STA 2023 Statistical Methods I

3. Core Requirements: Basic Level
   - None

4. Core Requirements: Advanced Level (32 hrs)
   - BUL 3130 Legal and Ethical Environment of Business
   - ECO 3411 Quantitative Business Tools II
   - FIN 3403C Business Finance
   - 1 GEB 3031 Cornerstone: Professional Skills for Business
   - GEB 3031L Cornerstone Lab: Professional Skills for Business
   - GEB 3375 Introduction to International Business
   - MAN 3025 Management of Organizations
   - MAR 3023 Marketing
   - MAR 3023 Supply Chain Management

   1 Must be taken in 1st or 2nd semester.

Required Major Courses (9 hrs)
   - ECO 3101 Intermediate Microeconomics
   - ECO 3203 Intermediate Macroeconomics
   - ECO 4451 Research Methods in Economics

5. Restricted Electives (15 hrs)
   - All B.S.B.A. economics majors will be required to take five (5) electives by choosing from the following:

   - ECO 3223 Money and Banking
   - ECO 3410 Mathematical Economics
   - ECO 3703 International Microeconomics
   - ECO 3704 Global Economic Policy
   - ECO 4303 History of Economic Thought
   - ECO 4412 Econometrics
   - ECO 4504 Public Economics
   - ECO 4713 International Macroeconomics
   - ECO 4751 Law and Economics
   - ECP 3203 Labor Economics
   - ECP 4303 Environmental and Natural Resource Economics
   - ECP 4403 Industrial Organization and Game Theory
   - ECS 4013 Development Economics

For students interested in preparing for graduate school in Economics and other graduate studies, the following courses are strongly recommended:

   - ECO 3223 Money and Banking
   - ECO 3410 Mathematical Economics
   - ECO 3703 International Microeconomics
   - ECO 4412 Econometrics
   - ECO 4504 Public Economics
   - ECP 4403 Industrial Organization and Game Theory

6. Capstone Requirements (4 hrs)
   - MAN 4720 Strategic Management

   - This course is taken in the graduating term and requires the following prerequisites:

   - FIN 3403C Business Finance
   - GEB 3031 Cornerstone: Professional Skills for Business
   - GEB 3031L Cornerstone Lab: Professional Skills for Business
   - MAN 3025 Management of Organizations
   - MAR 3023 Marketing

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.

   - 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.
UCF Degree Programs

- 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

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

<table>
<thead>
<tr>
<th>Plan of Study</th>
<th>Required Hours</th>
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<tbody>
<tr>
<td>Business Economics</td>
<td></td>
</tr>
<tr>
<td>Freshman Year - Fall</td>
<td>15 hrs</td>
</tr>
<tr>
<td>1 ENC 1101 Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPC 1608 Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>2 MAC 1140 Pre-Calculus Algebra</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 “C” (2.0) or better grade required in each class</td>
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<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Freshman Year - Spring</td>
<td>15 hrs</td>
</tr>
<tr>
<td>1 ECO 2023 Principles of Microeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 ENC 1102 Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 CGS 2100C Computer Fundamentals for Business</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 “C” (2.0) or better grade required in each class</td>
<td></td>
</tr>
</tbody>
</table>

| Sophomore Year - Fall | 15 hrs |
| ECO 2013 Principles of Macroeconomics | 3 hrs |
| ECO 3401 Quantitative Business Tools I | 3 hrs |
| 1 “C” (2.0) or better grade required in each class |

| Sophomore Year - Spring | 15 hrs |
| ECO 3101 Intermediate Microeconomics | 3 hrs |
| 1 ACG 2071 Principles of Managerial Accounting | 3 hrs |
| 1 “C” (2.0) or better grade required in each class |

| Junior Year - Fall | 15 hrs |
| ECO 3203 Intermediate Macroeconomics | 3 hrs |
| ECO 3411 Quantitative Business Tools II | 4 hrs |
| MAR 3023 Marketing | 4 hrs |
| GEB 3031 Cornerstone: Professional Skills for Business | 3 hrs |

| Junior Year - Spring | 15 hrs |
| GEB 3375 Introduction to International Business | 4 hrs |
| MAN 3025 Management of Organizations | 4 hrs |

| Senior Year - Spring | 14 hrs |
| ECO 4451 Research Methods in Economics | 3 hrs |
| MAN 4720 Strategic Management | 4 hrs |
| BUL 3130 Legal and Ethical Environment of Business | 4 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

Electrical Engineering (B.S.E.E.)

College of Engineering and Computer Science
Department of Electrical Engineering and Computer Science
Harris Corp. Engineering Center, Room: 346
http://www.eecs.ucf.edu

E-mail: undergraduate@eecs.ucf.edu
Dr. Samuel Richie
Charlese Hilton-Brown
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: 4 hrs
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 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 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 GEP 4 hrs
Required PHY 2049C Physics for Engineers & Scientists II 4 hrs
Required MAP 2302 Differential Equations 3 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.
1 MAC 2311 Calculus with Analytic Geometry I GEP 4 hrs
1 MAC 2312 Calculus with Analytic Geometry II 4 hrs
1 MAC 2313 Calculus with Analytic Geometry III 4 hrs
1 PHY 2048C Physics for Engineers & Scientists I GEP 4 hrs
1 PHY 2049C Physics for Engineers & Scientists II 4 hrs
1 MAP 2302 Differential Equations 3 hrs
1 CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs
or
CHM 2045C Chemistry Fundamentals I 4 hrs
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 3300 Engineering Analysis-Statics 3 hrs
EGN 3420 Engineering Analysis 3 hrs
STA 3032 Probability and Statistics for Engineers GEP 3 hrs
PHY 3101 Physics for Engineers and Scientists III 3 hrs
Select 1: 3 hrs
EGN 3321 Engineering Analysis-Dynamics or 3 hrs
EGN 3358 Thermo-Fluids-Heat Transfer 3 hrs
Courses Required for the Major 41 hrs
EEL 3304 Electrical Networks 3 hrs
EEL 3123C Networks and Systems 3 hrs
EEL 3350 Semiconductor Devices I 3 hrs
EEL 3307C Electronics I 3 hrs
EEL 3342C Digital Systems 3 hrs
EEL 3347C Electromagnetic Fields 3 hrs
EEL 3552C Analog and Digital Communication Fundamentals 4 hrs
EEL 3675 Linear Control Systems 3 hrs
EEL 3801C Computer Organization 3 hrs
EEL 4309C Electronics II 3 hrs
EEL 4750 Digital Signal Processing Fundamentals 3 hrs
EEL 4742C Embedded Systems 4 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 communication, and photonics. Students should consult with their academic advisor for the identification of courses that are approved technical electives and the terms when specific courses of this type are to be offered.
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 proficiency exam) prior to graduation.
Graduation
- None
- 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 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
- 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.
UCF Degree Programs

- 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 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
- EGN 1007C: Engineering Concepts and Methods (1 hr)
- MAC 2312: Calculus with Analytic Geometry II (4 hrs)
- PHY 2048C: Physics for Engineers & Scientists I (4 hrs)
- ENC 1101: Composition I (3 hrs)
- COP 3223: Introduction to Programming with C (3 hrs)

Sophomore Year - Fall
- ENC 1102: Composition II (3 hrs)
- PHY 2049C: Physics for Engineers and Scientists II (4 hrs)
- GEP: Cultural Foundation (3 hrs)

Sophomore Year - Spring
- PHY 3101: Physics for Engineers and Scientists III (3 hrs)
- EEL 3304: Electrical Networks (3 hrs)
- MAP 2302: Differential Equations (3 hrs)
- EEL 3801C: Computer Organization (3 hrs)
- EGN 3310: Engineering Analysis-Statics (3 hrs)

Junior Year - Fall
- Select 1: 3 hrs
- ECO 2013: Principles of Macroeconomics or 3 hrs
- ECO 2023: Principles of Microeconomics (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 4742C: Embedded Systems (4 hrs)
- EEL 3552C: Analog and Digital Communication (4 hrs)

Select 1:
- EGN 3321: Engineering Analysis-Dynamics or 3 hrs
- EGN 3358: Thermo-Fluids-Heat Transfer (3 hrs)

Junior Year - Spring
- EEE 3307C: Electronics I (4 hrs)
- EEL 3657: Linear Control Systems (3 hrs)
- CHS 1440: Fundamentals of Chemistry for Engineers (4 hrs)
- EGN 3420: Engineering Analysis (3 hrs)
- STA 3032: Probability and Statistics for Engineers (3 hrs)

Senior Year - Fall
- EEL 4750: Digital Signal Processing Fundamentals (3 hrs)
- EEL 3470: Electromagnetic Fields (3 hrs)
- EEL 4914: Senior Design I (3 hrs)
- Approved Technical Elective (4 hrs)
- GEP: Historical Foundation (3 hrs)

Senior Year - Spring
- EEL 4915L: Senior Design II (3 hrs)
- EEE 4309C: Electrons II (4 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.oelas.ucf.edu/al/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Elementary Education (B.S.)

College of Education

School of Teaching, Learning, and Leadership, ED, Room: 209

http://education.ucf.edu/elemented/

Dr. Karri Williams, kjwilliams@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 must 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)

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)

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 1010: Enjoyment of Music (3 hrs)

C: Mathematical Foundations (6 hrs)

Select 1:
- Suggested: MAC 1105C: College Algebra or 3 hrs
- Suggested: MGF 1108: 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 2014C: Principles of Statistics (3 hrs)

D: Social Foundations (6 hrs)

Prefer: POS 2041: American National Government (3 hrs)
Prefer: PSY 202: General Psychology (3 hrs)

Select 1:
- Prefer: PSC 1121: Physical Science (3 hrs)
- Prefer: BSC 1005: Biological Principles (3 hrs)

E: Science Foundations (6 hrs)

Select 1:
- Prefer: STA 1060C: Basic Statistics Using Microsoft Excel or 3 hrs
- Prefer: STA 2014C: Principles of Statistics (3 hrs)

1. Common Program Prerequisites (CPP) (9 hrs)

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

1. EDF 2005: Introduction to the Teaching Profession (3 hrs)
1 EDF 2085: Introduction to Diversity for Educators (3 hrs)
1 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 Requirements 8 hrs

1. EDF 2130 Child and Adolescent Development for Educators 3 hrs
2. MAE 2801 Elementary School Mathematics 4 hrs
1. PET 2081 Wellness, Children and Schools 1 hr

1. Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.
2. MAC 1105 or MGF 1106 is a prerequisite for MAE 2801

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 (if not taken for the General Education Program)
  * One associated science lab (BSC 1005L or PSC 1121L)
- A second course from the preferred courses listed in the UCF General Education Program Section B2 above (ARH 2050, ARH 2051, or MUL 2010) or an additional science course.

4. Core Requirements: Advanced Level (60 hrs)

Semester I 15 hrs

1. EDG 4603 Teaching Strategies and Classroom Management 3 hrs
2. EDF 4467 Learning Theory and Assessment 3 hrs
3. LAE 4314 Literature for Children 3 hrs
1. RED 3012 Basic Foundations of Reading 3 hrs
1. TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

1. Required prior to Internship I

Semester II 15 hrs

1. SCE 3310 Teaching Science in Elementary School 3 hrs
2. SSE 3312 Teaching Social Science in the Elementary School 3 hrs
3. LAE 4314 Language Arts in the Elementary School 3 hrs
1. RED 4519 Diagnostic and Corrective Reading Strategies 3 hrs
1. EEX 4070 Teaching Exceptional Students 3 hrs

1. Required prior to Internship I

Summer 6 hrs

1. EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
1. 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 recommend- ed as soon as possible after completing the following courses: EDG 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: EDG 4410, RED 3012, TSL 4080, MAE 2801

RED 4942 Practicum for Assessment and Instruction of Reading 3 hrs
1. MAE 4326 How Children Learn Mathematics 3 hrs
1. EDE 3842 Internship I 3 hrs
1. EDE 4223 Integrated Arts and Movement in the Elementary School 3 hrs

1. RED 4942, MAE 4326, and EDE 4223 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) 12 hrs

- Passing score on the Subject Area Examination (Elementary Education K-6) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II.
- 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 demon- strate proficiency in all 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education Rule 6A-5.066.

EDE 4943 Internship II (Elementary) 12 hrs

5. Restricted Electives

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 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

Related Programs

None

Certificates

None

Related Minors

None

Advising Notes

None

Transfer Notes

None

Acceptable Substitutes for Transfer Courses

None
Plan of Study

This recommended sequence may vary at selected regional campus locations. Consult with your Education advisor and review your degree audit for more recent information.

Freshman Year - Fall 12 hrs
EME 2040  Introduction to Technology for Educators  3 hrs
ENC 1101  Composition I  3 hrs
ARH 2050  History of Western Art I  3 hrs
MAC 1105C  College Algebra  3 hrs

Freshman Year - Spring 13 hrs
1 EDF 2130  Child and Adolescent Development for Educators  3 hrs
ENC 1102  Composition II  3 hrs
PSY 2012  General Psychology  3 hrs
PSC 1121  Physical Science  3 hrs
PSC 1121L  Physical Science Lab  1 hr

1 Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

Sophomore Year - Fall 15 hrs
AMH 2010  U.S. History: 1492-1877  3 hrs
BSC 1005  Biological Principles  3 hrs
EDF 2005  Introduction to the Teaching Profession  3 hrs
SPC 1608  Fundamentals of Oral Communication  3 hrs
MUL 2010  Enjoyment of Music  3 hrs

Sophomore Year - Spring 14 hrs
AMH 2020  U.S. History: 1877-Present  3 hrs
MAE 2801  Elementary School Mathematics  4 hrs
STA 2014C  Basic Statistics  3 hrs
EDF 2085  Introduction to Diversify for Educators  3 hrs
1 PET 2081  Wellness, Children and Schools  1 hr

1 Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

Junior Year - Fall 15 hrs
EDG 4410  Teaching Strategies and Classroom Management  3 hrs
EDF 4467  Learning Theory and Assessment  3 hrs
LAE 3414  Literature for Children  3 hrs
RED 3012  Basic Foundations of Reading  3 hrs
TSL 4080  Theory and Practice of Teaching ESL  3 hrs

Junior Year - Spring 15 hrs
RED 4519  Diagnostic and Corrective Reading Strategies  3 hrs
SCE 3310  Teaching Science in Elementary School  3 hrs
SCE 3312  Teaching Social Science in the Elementary School  3 hrs
LAE 4314  Language Arts in the Elementary School  3 hrs
EEX 4070  Teaching Exceptional Students  3 hrs

Junior Year - Summer 6 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

Senior Year - Fall 12 hrs
MAE 4326  How Children Learn Mathematics  3 hrs
RED 4942  Practicum for Assessment and Instruction of Reading Internship I  3 hrs
EDE 3942  Integrated Arts and Movement in the Elementary School  3 hrs

Senior Year - Spring 12 hrs
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.oecs.ucf.edu/alc/academic_learning_compacts.htm

UCF Degree Programs

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. Patrick Murphy
407-823-5596

Admission Requirements
none

Degree Requirements
Students who change degree programs and select this major must adopt the most current catalog
Students must earn at least a "C" (2.0) in each required course
Co-op or internship credit cannot be used in the major without prior approval from the department
Students should consult with a departmental advisor

Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF English Department

Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations
Required  ENC 1101  Composition I  3 hrs
Required  ENC 1102  Composition II  3 hrs
Prefer  SPC 1608  Fundamentals of Oral Communication  3 hrs

B: Cultural & Historical Foundations
Prefer  LIT 2110  World Literature I  3 hrs
Prefer  LIT 2120  World Literature II  3 hrs
Select one class from 1.B.1 list  3 hrs

C: Mathematical Foundations
Prefer  STA 1060C  Basic Statistics Using Microsoft Excel  3 hrs
1 MGF 1106  Finite Mathematics  3 hrs
Suggested

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  3 hrs
ENC 1102  Composition II  3 hrs

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 3013  Creative Writing for English Majors  3 hrs
1 ENG 3014  Theories and Techniques of Literature Study  3 hrs
CRW 3053  Theory & Practice of Creative Writing  3 hrs

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 3613  Narratives of Slavery
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  Shakespearean Studies or
ENL 4341  Milton and His Age or
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
   - CRW 3120 Fiction Writing Workshop or 3 hrs
   - CRW 3211 Creative Nonfiction Writing or 3 hrs
   - CRW 3310 Poetry Writing Workshop or 3 hrs
   - CRW 3610 Writing Scripts 3 hrs

b. Choose two of the following: 6 hrs
   - CRW 4122 Advanced Fiction Writing Workshop or 3 hrs
   - CRW 4224 Advanced Nonfiction Workshop 3 hrs
   - CRW 4320 Advanced Poetry Writing Workshop 3 hrs
   - CRW 4616 Advanced Scriptwriting Workshop 3 hrs

5. 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
- Journalism Studies

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
- (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 hrs), Directed Readings (3 hrs), and Thesis hours (3 hrs).
  - Successful completion and oral defense of Honors thesis.

Related Programs
- English - Technical Communication
- English - Literature

Certificates
- None

Related Minors
- Linguistics
- English - Technical Communication
- Writing and Rhetoric

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** 15 hrs
- ENC 1101 Composition I 3 hrs
- HUM 2210 Humanistic Tradition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- POS 2041 American National Government 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

**Freshman Year - Spring** 15 hrs
- ENC 1102 Composition II 3 hrs
- CHM 1020 Concepts in Chemistry 3 hrs
- LIT 2110 World Literature I 3 hrs
- STA 1006C Basic Statistics Using Microsoft Excel 3 hrs
- SPN 1120C Elementary Spanish Language and Civilization I 4 hrs

**Sophomore Year - Fall** 15 hrs
- LIT 2120 World Literature II 3 hrs
- PSY 2012 General Psychology 3 hrs
- SPN 1121C Elementary Spanish Language and Civilization II 4 hrs
- Restricted Elective 3 hrs
- BSC 1005 Biological Principles 3 hrs
UCF Degree Programs

Sophomore Year - Spring 15 hrs
CRW 3013 Creative Writing for English Majors 3 hrs
AML 3031 American Literature I 3 hrs
ENL 2012 English Literature I 3 hrs
SPN 2200 Intermediate Spanish Language and Civilization I 3 hrs
CRW 3053 Theory & Practice of Creative Writing 3 hrs

Junior Year - Fall 15 hrs
ENG 3014 Theories and Techniques of Literature 3 hrs
Study
AML 3041 American Literature II 3 hrs
CRW 3211 Creative Nonfiction Writing 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs

Junior Year - Spring 15 hrs
ENL 2022 English Literature II 3 hrs
CRW 3210 Fiction Writing Workshop 3 hrs
CRW 4224 Advanced Nonfiction Workshop 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs

Senior Year - Fall 12 hrs
LIN 4105 History of the English Language 3 hrs
CRW 4122 Advanced Fiction Writing Workshop 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs

Senior Year - Spring 12 hrs
CRW 3610 Writing Scripts 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/aic/academic_learning_compacts.htm

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. Patrick Murphy
407-823-5596

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a "C" (2.0) in each required course.
- Co-op or internship credit is not accepted in the major.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF English Department.

Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations
Required ENC 1101 Composition I 3 hrs
Required ENC 1102 Composition II 3 hrs
Preferred SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations
Preferred LIT 2110 World Literature I 3 hrs
Preferred LIT 2120 World Literature II 3 hrs
Select on class from 1.B.1 list 3 hrs

C: Mathematical Foundations
1 Required MGF 1106 Finite Mathematics 3 hrs
Preferred 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)
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

Choose one gateway course 3 hrs
CRW 3013 Creative Writing for English Majors or
ENC 3241 Writing for the Technical Professional or
CRW 3053 Theory & Practice of Creative Writing

4. Core Requirements: Advanced Level (15 hrs)
- Literary History Requirement
- Literature 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 1: 6 hrs
AML 3031 American Literature I or
AML 3613 Narratives of Slavery 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
LIT 4374 Literature of the Bible or
AML 3286 Early American Women's Words or
AML 3640 Native American Literature or
ENL 3296 Gothic Literature

Select at least two post-1865 literature courses 6 hrs
- Note: Each semester, additional courses may satisfy this requirement. Check with advisor for details.
Select 2: 6 hrs
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
or
LIT 3192 Caribbean Literature or
LIT 4043 Modern Drama As Literature or
LIT 4184 Irish Literature or
LIT 4303 Post-World War II Fiction or
LIT 3823 Hispanic Women Writers

5. Restricted Electives (15 hrs)
- Upper Division Requirements

Choose one single author or major author course: 3 hrs
Select 1: 3 hrs
AML 4300 Major American Authors or
ENL 4311 Chaucer or
ENL 4341 Milton and His Age or
Advising Notes

Select 1: 3 hrs
Choose one linguistics or theory course: 3 hrs

Related Minors

English - Creative Writing
English - Linguistics
English - Technical Communication
Writing and Rhetoric

Advising Notes

None
UCF Degree Programs

English - Technical Communication (B.A.)
College of Arts and Humanities
Department of English, Colbourn Hall, Room: 405
http://english.cah.ucf.edu
E-mail: englshmail.ucf.edu
Dr. Patrick Murphy
407-823-5596

Admission Requirements
■ None

Degree Requirements
■ Students who change degree programs and select this major must adopt the most current catalog.
■ Students must earn at least a “C” (2.0) in each required course.
■ Co-op or internship credit cannot be used in this major.
■ Students should consult with a departmental advisor.
■ Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF English Department.
■ Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)
Required ENC 1101 Composition I 3 hrs
Required ENC 1102 Composition II 3 hrs
Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
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 course)

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.
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

Select 1: 3 hrs
CRW 3013 Creative Writing for English Majors or
ENG 3014 Theories and Techniques of Literature Study or
CRW 3053 Theory & Practice of Creative Writing

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
■ Choose three courses from these two groupings
Select at least one of these pre-1865 literature courses
AML 3031 American Literature I or 3 hrs
AML 3613 Narratives of Slavery 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

Select at least one of these post 1865 literature courses
AML 3041 American Literature II or 3 hrs
AML 3283 Contemporary American Women’s Fiction or
AML 3614 Topics in African-American Literature or 3 hrs
AML 3615 Harlem, Haiti, and Havana or 3 hrs
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 4235 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 4043 Modern Drama As Literature or 3 hrs
LIT 4104 Irish Literature or 3 hrs
LIT 4303 Post-World War II Fiction or 3 hrs
AML 3643 Contemporary Native American Prose and Poetry or 3 hrs
LIT 3823 Hispanic Women Writers 3 hrs

5. Restricted Electives (3 hrs)
Select 1: 3 hrs
ENC 3311 Advanced Expository Writing or
ENC 4262 International Technical Communication or
ENC 4265 Writing for the Computer Industry or
ENC 4260 Usability Testing for Technical Communication or
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.

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 - Literature
- English - Linguistics
- Writing and Rhetoric

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.oeyes.ucf.edu/alc/academic_learning_compacts.htm

English Language Arts Education (B.S.)
College of Education

School of Teaching, Learning, and Leadership, Education Building, Room: 209
http://education.ucf.edu/englished/
E-mail: jkaplan@mail.ucf.edu

Dr. Jeff Kaplan, ED 122B
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 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-5.068. 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
-Preferred SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)

- Prefer AMH 2010 U.S. History: 1492-1877 3 hrs
- Require LIT 2110 World Literature I 3 hrs
- Require AMH 2020 U.S. History: 1877-Present 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 PSY 2012 American National Government 3 hrs
- Prefer POS 2041 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

- 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)

- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- LIT 2110 World Literature I GEP 3 hrs
- LIT 2120 World Literature II 3 hrs
- ENL 2012 English Literature I 3 hrs
- ENL 2022 English Literature II 3 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 (63 hrs)

Education Core Requirements 21 hrs

- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- EDF 4647 Learning Theory and Assessment 3 hrs
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs
- EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 Issues in Second Language Acquisition 3 hrs
- TSL 4240 Prerequisite for Internship I 3 hrs
Specialization Requirements 21 hrs
CRW 3013 Creative Writing for English Majors 3 hrs
ENG 3014 Theories and Techniques of Literature 3 hrs
AML 3031 American Literature I 3 hrs
AML 3041 American Literature II 3 hrs
LAE 4464 Survey of Adolescent Literature 3 hrs

Select 1: 3 hrs
ENC 3311 Advanced Expository Writing or 3 hrs
LIN 4105 History of the English Language 3 hrs
Upper Division Elective with EDF, EDG, LAE, or RED prefix

Internship I Block 9 hrs
Prior to Internship I, the student must have completed EDG 4410
Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, 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 strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.

Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/

LAE 4360 English Instructional Analysis 3 hrs
LAE 4342 Programs in Teaching Language and Composition 3 hrs
LAE 3940 Internship 3 hrs

Internship II 12 hrs
All specialization courses and at least 80% of all specialization courses must be completed with a letter grade of “C-“ (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.

Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/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.

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
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.
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
AMH 2010 U.S. History: 1492-1877 3 hrs
ENC 1101 Composition I 3 hrs
MGF 1106 Finite Mathematics 3 hrs
PSY 2012 General Psychology 3 hrs

Freshman Year - Spring
AMH 2020 U.S. History: 1877-Present 3 hrs
ENC 1102 Composition II 3 hrs
POS 2041 American National Government 3 hrs
PSC 1121 Physical Science 3 hrs

Freshman Year - Summer
LIT 2110 World Literature I 3 hrs
EDF 2130 Child and Adolescent Development for Educators 3 hrs

Sophomore Year - Fall
EDF 2005 Introduction to the Teaching Profession 3 hrs
LIT 2120 World Literature II 3 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs

Select 1: 3 hrs
ANT 2511 The Human Species or 3 hrs
BSC 1105 Biological Principles 3 hrs

Select 1: 3 hrs
STA 2014C Principles of Statistics or 3 hrs
STA 2106C Basic Statistics Using Microsoft Excel 3 hrs

Sophomore Year - Spring
ENL 2012 English Literature I 3 hrs
AML 3031 American Literature I 3 hrs
EDF 2085 Introduction to Diversity for Educators 3 hrs
EME 2040 Introduction to Technology for Educators 3 hrs

Sophomore Year - Summer
TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs
ENL 2022 English Literature II 3 hrs
Junior Year - Fall
- CRW 3013 Creative Writing for English Majors (3 hrs)
- TSL 4240 Issues in Second Language Acquisition (3 hrs)
- EDF 4407 Learning Theory and Assessment (3 hrs)
- EDG 4410 Teaching Strategies and Classroom Management (3 hrs)

Junior Year - Spring
- AML 3041 American Literature II (3 hrs)
- LAE 4361 Literacy Strategies for Middle and High School (3 hrs)
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools (3 hrs)
- RED 4043 Content Reading in Kindergarten through Grade 12 (3 hrs)

Select 1:
- ENC 3311 Advanced Expository Writing or LIN 4105 History of the English Language (3 hrs)
- Upper Division Elective with RED, LAE, EDG, or EDF prefix (3 hrs)

Junior Year - Summer
- ENG 3014 Theories and Techniques of Literature Study (3 hrs)

Senior Year - Fall
- LAE 4360 English Instructional Analysis (3 hrs)
- LAE 4342 Programs in Teaching Language and Composition (3 hrs)
- EEX 4242 Teaching Exceptional Students in Secondary Settings (3 hrs)
- LAE 3940 Internship (3 hrs)

Senior Year - Spring
- LAE 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

Environmental Engineering (B.S.Env.E.)
Department of Civil, Environmental, and Construction Engineering, Engineering II, Room: 211
http://www.cece.ucf.edu

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.
- A “C” (2.0) or better is required in each pre-requisite course in section 2 Common Program Prerequisites, section 3 Basic Core Requirements, section 4 Advanced Core Requirements, and section 6 Capstone 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 course 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 one course from Social Foundations Group 1 (3 hrs)
- Select one course from Social Foundations Group 2 (3 hrs)

E: Science Foundations (7 hrs)
- Required PHY 2048C Physics for Engineers & Scientists I (4 hrs)
- Prefer GEO 1200 Physical Geography (3 hrs)

2. Common Program Prerequisites (CPP) (19 hrs)
- These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- A grade of “C” (2.0) or better is required in each course in this section.
  - MAC 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:
- Preferred course
  - CHM 2045C Chemistry Fundamentals I (4 hrs)
- or
  - CHM 2040 Chemistry Fundamentals IA and CHM 2041 Chemistry Fundamentals IB (6 hrs)

3. Core Requirements: Basic Level (9 hrs)
- Environmental engineering majors must complete both Earth Science and Biological Science coursework. See assigned academic advisor for list of approved courses.
  - EGN 1005C Introduction to the Engineering Profession (1 hr)
  - EGN 1007C Engineering Concepts and Methods (1 hr)
  - CHM 2045C Chemistry Fundamentals I (4 hrs)
  - CHM 2046 Chemistry Fundamentals II (3 hrs)
  - CHM 2046L Chemistry Fundamentals Laboratory (1 hr)
- Earth Science (3 hrs)
- Biological Science (3 hrs)
- A “C” (2.0) or better is required in this course.

4. Core Requirements: Advanced Level (53 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 3613 Engineering Economic Analysis (2 hrs)
- ENV 3001 Introduction to Environmental Engineering (3 hrs)
- CCE 4003 Introduction to the Construction Industry (3 hrs)
- STA 3032 Probability and Statistics for Engineers (3 hrs)
- CWR 3201E Environmental Fluid Mechanics (3 hrs)
- CEG 4001C Geotechnical Engineering I (4 hrs)
- EES 4111C Biological Process Control (3 hrs)
- EES 4202C Chemical Process Control (4 hrs)
- ENV 4531 Environmental Engineering Operations & Processes I (3 hrs)
- CWR 4632C Water Resources Engineering I (4 hrs)
- CWR 4633C Water Resources Engineering II (3 hrs)
- ENV 4120 Air Pollution Control (3 hrs)
- ENV 4531 Environmental Engineering Operations & Processes I (3 hrs)
- ENV 4341 Solid & Hazardous Waste Management (3 hrs)

1 A “C” (2.0) or better is required in this course.
5. Restricted Electives (3 hrs)
- Technical electives are available in the BEnvE 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
  - CGN 4808C  CECE Capstone Design 3 hrs

Design Specialization 3 hrs
- Must be completed before registering for CGN 4808C - Capstone Design
  - ENV 4433C  Environmental Engineering Wastewater Design 3 hrs
  - ENV 4122C  Air Pollution Control Design or 3 hrs
  - ENV 4300C  Solid Waste Facility Design or 3 hrs
  - ENV 4562C  Environmental Engineering Water Treatment 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
- EnVEnE students must take the Fundamentals of Engineering (FE) Exam during their Senior year. Applications must be received by the Florida Board of Professional Engineers approximately 6 months in advance of your exam date. The exam is offered in April and October 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 128

Honors In Major
- None

Related Programs
- Chemistry
- Construction Engineering
- Civil Engineering

Certificates
- None

Related Minors
- Chemistry
- Environmental Studies
- Mathematics
- Engineering Leadership
- Bioengineering

Advising Notes
- Each engineering student is assigned a qualified engineering academic advisor in the department of his/her major. Each student should seek academic advising before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.
Senior Year - Fall
ENV 4120 Air Pollution Control 3 hrs
ENV 4561 Environmental Engineering Operations & Processes II 3 hrs
EES 4202C Chemical Process Control 4 hrs
CWR 4633C Water Resources Engineering II 3 hrs
Design Specialization
ENV 4433C Environmental Engineering Wastewater 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 Water Treatment Design or 3 hrs

Senior Year - Spring
EES 4111C Biological Process Control 3 hrs
Select 1: 3 hrs
Select 1: 3 hrs
D: Social Foundations (6 hrs)

Select 1:
EES 4122C Air Pollution Control Design or 3 hrs
ENV 4300C Solid Waste Facility Design or 3 hrs
ENV 4562C Environmental Engineering Water Treatment Design or 3 hrs

Program Academic Learning Compacts
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oes.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

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
407-905-9000

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 (6 hrs)
   Required MAC 1105C College Algebra 3 hrs
   Select 1: 3 hrs
   Required CGS 2100C Computer Fundamentals for Business or 3 hrs
   Required STA 2023 Statistical Methods I 3 hrs
   
   D: Social Foundations (6 hrs)
   Select 1: 3 hrs
   Required ECO 2013 Principles of Macroeconomics 3 hrs
   Required ECO 2023 Principles of Microeconomics 3 hrs
   
   Select 1: 3 hrs
   Required PSY 2012 General Psychology or 3 hrs
   Required SYG 2000 Introduction to Sociology or 3 hrs
   Required ANT 2000 General Anthropology 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
   MAC 1105C College Algebra GEP
   Select 1: STA 2023 Statistical Methods I or GEP
   CGS 2100C Computer Fundamentals for Business GEP
   
   4. Core Requirements: Advanced Level (52 hrs)
   Hospitality Management Core 24 hrs
   HFT 2401 Hospitality Industry Financial Accounting 3 hrs
   HFT 2500 Hospitality and Tourism Marketing 3 hrs
   HFT 2220 Hospitality Human Resources Management 3 hrs
   HFT 2254 Lodging Operations 3 hrs
   HFT 3431 Hospitality Industry Managerial Accounting 3 hrs
   HFT 3540 Guest Services Management I 3 hrs
   HFT 4286 Hospitality Communications 3 hrs
   HFT 4464 Hospitality Industry Finance 3 hrs
   
   Internships 3 hrs
   HFT 3940 Internship 1 hr
   HFT 4941 Internship 1 hr
   HFT 4944 Practicum 1 hr

   Event Management Core 25 hrs
   FSS 2284C Food Preparation for Catered Events 4 hrs
   HFT 2750 The Event Industry 3 hrs
   HFT 3670 Hospitality and Event Risk Management 3 hrs
   HFT 3512 Event Promotion 3 hrs
   HFT 3373 Event Design, Production & Technology 3 hrs
   HFT 3519 Event Services 3 hrs
   HFT 3523 Event Sales 3 hrs
   HFT 4757 Event Management 3 hrs

   5. Restricted Electives (18 hrs)
   Complete any six restricted Event Management Electives
   Note: Select these courses from the list below:

   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 Final Exam Week only.
   - Transfer students to this program must take a minimum of thirty (30) credit hours in Hospitality Management core classes or restricted electives at UCF.

   10. Required Minors
   - None

   11. Departmental Exit Requirements
   - None

   12. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 39 hours of course work must be completed in residency at UCF
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
   - Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

   Total Semester Hours Required 120

UNIVERSITY OF CENTRAL FLORIDA
## UCF Degree Programs

<table>
<thead>
<tr>
<th>Honors In Major</th>
<th>Related Programs</th>
<th>Certificates</th>
<th>Related Minors</th>
<th>Advising Notes</th>
<th>Transfer Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
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</tbody>
</table>

### Acceptable Substitutes for Transfer Courses

- None

### Plan of Study

#### Freshman Year - Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 1000</td>
<td>Introduction to the Hospitality and Tourism Industry</td>
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<tr>
<td>ENC 1101</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>CGS 2100C</td>
<td>Computer Fundamentals for Business</td>
<td>3</td>
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</tbody>
</table>

#### Select one course from the list

- PSY 2012  General Psychology 3 hrs
- SYG 2000  Introduction to Sociology 3 hrs
- ANT 2000  General Anthropology 3 hrs

#### Cult/Historical Foundation Course

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hrs</th>
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<tbody>
<tr>
<td>AMH 1010</td>
<td>U.S. History: 1877-1877</td>
<td>3</td>
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<tr>
<td>HUM 2210</td>
<td>Humanistic Tradition I</td>
<td>3</td>
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<tr>
<td>EUH 2000</td>
<td>Western Civilization I</td>
<td>3</td>
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<tr>
<td>WOH 2012</td>
<td>World Civilization I</td>
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#### Cultural Foundation Course

<table>
<thead>
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<th>Course Title</th>
<th>Hrs</th>
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<tbody>
<tr>
<td>HUM 2230</td>
<td>Humanistic Tradition II or</td>
<td>3</td>
</tr>
<tr>
<td>AMH 2220</td>
<td>U.S. History: 1877-Present or</td>
<td>3</td>
</tr>
<tr>
<td>EUH 2001</td>
<td>Western Civilization II or</td>
<td>3</td>
</tr>
<tr>
<td>WOH 2022</td>
<td>World Civilization II</td>
<td>3</td>
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#### Sophomore Year - Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hrs</th>
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<tbody>
<tr>
<td>HFT 3670</td>
<td>Hospitality and Event Risk Management</td>
<td>3</td>
</tr>
<tr>
<td>SPC 1608</td>
<td>Fundamentals of Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>HFT 2500</td>
<td>Hospitality and Tourism Marketing</td>
<td>3</td>
</tr>
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</table>

#### Select 1:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hrs</th>
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</thead>
<tbody>
<tr>
<td>ECO 2013</td>
<td>Principles of Macroeconomics or</td>
<td>3</td>
</tr>
<tr>
<td>ECO 2023</td>
<td>Principles of Microeconomics</td>
<td>3</td>
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</tbody>
</table>

#### Science Foundation

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 1005</td>
<td>Biological Principles or</td>
<td>3</td>
</tr>
<tr>
<td>BSC 1050</td>
<td>Biology and Environment or</td>
<td>3</td>
</tr>
<tr>
<td>GLY 1030</td>
<td>Geology and its Applications or</td>
<td>3</td>
</tr>
<tr>
<td>GEO 1200</td>
<td>Physical Geography or</td>
<td>3</td>
</tr>
<tr>
<td>ANT 2511</td>
<td>The Human Species</td>
<td>3</td>
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#### Sophomore Year - Spring

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hrs</th>
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</thead>
<tbody>
<tr>
<td>HFT 3512</td>
<td>Event Promotion</td>
<td>3</td>
</tr>
<tr>
<td>HFT 3519</td>
<td>Event Services</td>
<td>3</td>
</tr>
<tr>
<td><strong>Food Preparation for Catered Events 4 credit hours</strong></td>
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#### Science Foundation II

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<tr>
<td>AST 2002</td>
<td>Astronomy or</td>
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</tr>
<tr>
<td>CHM 1020</td>
<td>Concepts in Chemistry or</td>
<td>3</td>
</tr>
<tr>
<td>PSC 1121</td>
<td>Physical Science</td>
<td>3</td>
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</tbody>
</table>

#### Cultural Foundation Course

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hrs</th>
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</thead>
<tbody>
<tr>
<td>FIL 1000</td>
<td>Cinema Survey or</td>
<td>3</td>
</tr>
<tr>
<td>REL 2300</td>
<td>World Religions or</td>
<td>3</td>
</tr>
<tr>
<td>PHI 2010</td>
<td>Introduction to Philosophy or</td>
<td>3</td>
</tr>
<tr>
<td>MUL 2010</td>
<td>Enjoyment of Music or</td>
<td>3</td>
</tr>
<tr>
<td>THE 2000</td>
<td>Theatre Survey or</td>
<td>3</td>
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<tr>
<td>ARH 2050</td>
<td>History of Western Art I or</td>
<td>3</td>
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<tr>
<td>LIT 2110</td>
<td>World Literature I or</td>
<td>3</td>
</tr>
<tr>
<td>LIT 2120</td>
<td>World Literature II</td>
<td>3</td>
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### Event Management Restricted Electives

**See list in catalog for 9hrs**

#### Senior Year - Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hrs</th>
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<tbody>
<tr>
<td>HFT 3540</td>
<td>Guest Services Management I</td>
<td>3</td>
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<tr>
<td>HFT 2254</td>
<td>Lodging Operations</td>
<td>3</td>
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<tr>
<td>HFT 2401</td>
<td>Hospitality Industry Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>HFT 3940</td>
<td>Internship</td>
<td>1</td>
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<tr>
<td>HFT 3373</td>
<td>Event Design, Production &amp; Technology</td>
<td>3</td>
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</table>

#### Senior Year - Spring

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hrs</th>
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<tbody>
<tr>
<td>HFT 3431</td>
<td>Hospitality industry Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4941</td>
<td>Internship</td>
<td>1</td>
</tr>
<tr>
<td>HFT 3523</td>
<td>Event Sales</td>
<td>3</td>
</tr>
</tbody>
</table>

### Event Management Restricted 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.oas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oas.ucf.edu/alc/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


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 examinations: 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.

A: Communication Foundations (9 hrs)

Required ENC 1101 Composition I 3 hrs
Required ENC 1102 Composition II 3 hrs
Preferred SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)

Preferred AMH 2010 U.S. History: 1492-1877 3 hrs
Preferred AMH 2020 U.S. History: 1877-Present 3 hrs

Select 1:

Preferred LIT 2110 World Literature I or 3 hrs
Preferred LIT 2120 World Literature II or 3 hrs
Preferred PHI 2100 Introduction to Philosophy or 3 hrs
Preferred REL 2300 World Religions 3 hrs

C: Mathematical Foundations (6 hrs)

Select 1:

Preferred STA 1060C Basic Statistics Using Microsoft Excel or 3 hrs
Preferred STA 2014C Principles of Statistics 3 hrs

Select 1:

Suggested MGF 1106 Finite Mathematics 3 hrs
Suggested MGF 1107 Explorations in Mathematics 3 hrs

D: Social Foundations (6 hrs)

Preferred POS 2041 American National Government 3 hrs
Preferred PSY 2102 General Psychology 3 hrs

E: Science Foundations (6 hrs)

Preferred PSC 1121 Physical Science 3 hrs

Select 1:

Preferred ANT 2511 The Human Species or 3 hrs
Preferred BSC 1005 Biological Principles 3 hrs

2. Common Program Prerequisites (CPP)

See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

1 EDF 2005 Introduction to the Teaching Profession 3 hrs
1 EDF 2085 Introduction to Diversity for Educators 3 hrs
1 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)

1 EDF 2130 Child and Adolescent Development for Educators 3 hrs
1 EDF 2720 Children in Schools: Legal, Ethical and Safety Concerns 3 hrs
1 EEX 2010 Introduction to Special Education 3 hrs
1 EEX 2758 Enhancing Family Involvement in Education 2 hrs
1 MAE 2801 Elementary School Mathematics 4 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)

Exceptional Student Education majors take a variety of courses related to children, adolescents, and adults with special needs, and their learning, development, and family environment. 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

1 EDF 4410 Teaching Strategies and Classroom Management 3 hrs
1 EEX 3241 Methods for Academic Skills for Exceptional Students 3 hrs
1 RED 3012 Basic Foundations of Reading 3 hrs
1 TSL 4060 Theory and Practice of Teaching ESOL 3 hrs
Students in Schools 3 hrs

1 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 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
TSL 4240 Issues in Second Language Acquisition 3 hrs
RED 4519 Diagnostic and Corrective Reading Strategies 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/practicalexper/

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.education.ucf.edu/practicalexper/

A passing score on all applicable sections of the Florida Teacher Certification Exam (General Knowledge Test, Professional Education Test, and Subject Area Examination for Exceptional Student Education K-12) is strongly recommended before entry into student teaching (EEG 4941 Internship II).

Choose one course from either the Elementary or Secondary level Methods Content Area Course I sections.

EEX 3942 Internship I Exceptional Students 3 hrs
EEX 4763 Technology for Classroom Teachers of Exceptional Students 3 hrs
RED 4942 Practicum for Assessment and Instruction of Reading 3 hrs

Elementary Level: Methods Content Area Course I

LAE 3414 Literature for Children or 3 hrs
1 MAE 4326 How Children Learn Mathematics or 3 hrs
SCE 3310 Teaching Science in Elementary School or 3 hrs
SSE 3312 Teaching Social Science in the Elementary School 3 hrs
Secondary Level: Methods Content Area Course I

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCE 4360 Science Instructional Analysis</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAE 4360 Mathematics Instructional Analysis</td>
<td>4 hrs</td>
</tr>
<tr>
<td>SSE 4361 Social Science Instructional Analysis</td>
<td>4 hrs</td>
</tr>
<tr>
<td>LAE 4360 English Instructional Analysis</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RED 4043 Content Reading in Kindergarten through Grade 12</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

To enroll in this course, you must be registered for EEX 3942 Internship I.

Semester V 12 hrs
- 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-5.065.
- 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.
- Choose one course from either the Elementary or Secondary level Methods Content Area Course II sections.
- EEX 4941 Internship 9 hrs

Elementary Level: Methods Content Area Course II

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCE 3310 Teaching Science in Elementary School</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SSE 3312 Teaching Social Science in the Elementary School or LAE 3414 Literature for Children</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Secondary Level: Methods Content Area Course II

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCE 4360 Science Instructional Analysis</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAE 4360 Mathematics Instructional Analysis</td>
<td>4 hrs</td>
</tr>
<tr>
<td>SSE 4361 Social Science Instructional Analysis</td>
<td>4 hrs</td>
</tr>
<tr>
<td>LAE 4360 English Instructional Analysis</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RED 4043 Content Reading in Kindergarten through Grade 12</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

5. Restricted Electives
- None

6. Capstone Requirements
- None

7. Foreign Language Requirements
- None

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 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)
- Total Semester Hours Required 120
EEX 3245  Techniques for Exceptional Adolescents-Adults  3 hrs
EDF 4467  Learning Theory and Assessment  3 hrs
TSL 4240  Issues in Second Language Acquisition  3 hrs
LAE 4314  Language Arts in the Elementary School  3 hrs
RED 4519  Diagnostic and Corrective Reading Strategies  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

Film (B.F.A.)
College of Arts and Humanities
Department of Film, Nicholson School of Communication, Room: 421
http://www.film.cah.ucf.edu
E-mail: film@mail.ucf.edu
Steve Schlow, 407-823-2645
407-823-4285

Admission Requirements
 The Film BFA major is a limited access program.
 Entrance into most Film classes is restricted to majors. Exceptions must be approved by the Department Chair.
 Applications to become a Film BFA major are required by December 15 for admission to the subsequent Fall term.
 A portfolio review is required for entry into the Film BFA major.
Contact the Film Department for details, or visit the website, http://www.film.cah.ucf.edu.

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.
 A maximum of six credit hours of internship may be earned in one semester. A total of six credit hours of internship may be earned within the 120 credit hours required for graduation.
 Students must consult with a departmental advisor each semester.

All students are required to pay a fee for equipment insurance.
 Departmental Residency Requirement consists of at least 48 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Film Department.
 Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP)  (36 hrs)
    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:  3 hrs
Prefer
  CGS 1060C Introduction to Computer Science or
  STA 1060C Basic Statistics Using Microsoft Excel  3 hrs

D: Social Foundations  (6 hrs)
E: Science Foundations  (6 hrs)
2. Common Program Prerequisites (CPP)  (3 hrs)
1 Prefer FIL 2030 History of Motion Pictures  GEP
FIL 1007 Foundations of Story  3 hrs

3. Core Requirements: Basic Level  (21 hrs)
 Lower level core requirements
  FIL 2107 Script Analysis  3 hrs
  FIL 1009 Cinematic Expression for Majors  3 hrs
  FIL 2552 Editing I  3 hrs
  FIL 2480 Directing for Film I  3 hrs
  FIL 2461 Cinematography I  3 hrs
  FIL 2481 Directing the Actor for Film I  3 hrs
  DIG 2000 Introduction to Digital Media  3 hrs

4. Core Requirements: Advanced Level  (36 hrs)
 Upper level core requirements
  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 3036 Film History I  3 hrs
  FIL 3037 Film History II  3 hrs
  FIL 3803C Film Theory and Criticism I  3 hrs
  FIL 3363C Film Documentary  3 hrs
  FIL 3922 Film Colloquium  3 hrs
  FIL 4486C Directing for Film II  3 hrs
  FIL 4661 The Film Producer  3 hrs
  FIL 4647 Film Production Management  3 hrs

1 Prefer
  MGF 1106 Finite Mathematics  3 hrs

1 May substitute a higher level math

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
FIL 3363C Film Documentary  3 hrs
DIG 4704 Interactive Entertainment  3 hrs
FIL 4472C Cinematography II  3 hrs
FIL 4535C Sound Design for Film II  3 hrs
FIL 4536 Sound Design III  3 hrs
FIL 4451 Design for Film  3 hrs
FIL 4487 Directing for Film III  3 hrs
FIL 4666C Editing II  3 hrs

Screen Writing
FIL 4103 Adaptation  3 hrs
FIL 4162C Feature/TV Writing I  3 hrs
FIL 4163C Feature/TV Writing II  3 hrs
FIL 4113C Interactive Writing I  3 hrs
FIL 4114C Interactive Writing II  3 hrs
FIL 4126C Genre Writing  3 hrs
FIL 4906 Directed Independent Study  1 hr

1 Six semesters of colloquium required at 1 hour each.
UCF Degree Programs

Cinema Studies

**FIL 3880C** Images of Women in Film 3 hrs

**FIL 3831** Black Cinema 3 hrs

**FIL 3051** Avant-Garde Cinema 3 hrs

**FIL 3804C** Film Theory and Criticism II 3 hrs

**FIL 3841** French New Wave Cinema 3 hrs

**FIL 3824** Italian Neo-Realist Cinema 3 hrs

**FIL 3847** Latin American Cinema 3 hrs

**FIL 3820** Italian Film 3 hrs

**FIL 3822** French Film 3 hrs

**FIL 3823** German Film 3 hrs

**FIL 3826** American Cinema 3 hrs

**FIL 3871** The American Film Artist 3 hrs

**FIL 4436** Film Theory/Film Production 3 hrs

**Digital Cinema**

**ART 2823** Art as Interface 3 hrs

**ART 3618** Post-Production Design 3 hrs

**COP 3902C** Computer Science I 3 hrs

**DIG 4855C** Converging Media Capstone 3 hrs

**DIG 3138C** Digital Imagery 3 hrs

**DIG 4780C** Modeling for Realtime Systems 3 hrs

**ENC 4415** Digital Rhetorics and The Modern Dialectic 3 hrs

**DIG 3134** Media Software Design 3 hrs

**MUC 3311** MIDI Sequencing I 3 hrs

6. Capstone Requirements (6 hrs)

**FIL 4434C** Capstone I 3 hrs

**FIL 4579C** 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

- Journalism Studies

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:** 3 hrs

**CGS 1060C** Introduction to Computer Science or 3 hrs

**FIL 2552** Editing I or 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**

- Film - Cinema Studies Track

- English - Creative Writing

- Digital Media

- Music

- Theatre

- Radio - Television

**Certificates**

- None

**Related Minors**

- Art - Studio

- Film - Cinema Studies

- English - Creative Writing

- Digital Media

- Music

- Theatre

**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/Aesthetics 3 hrs

**FIL 1009** Cinematic Expression for Majors 3 hrs

**FIL 3922** Film Colloquium 1 hr

**GEP** 3 hrs

Foreign Language 4 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

Foreign Language 4 hrs

**Freshman Year - Summer**

**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

**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 2552** Editing I 3 hrs

**FIL 3922** Film Colloquium 1 hr

**GEP** 3 hrs

**GEP** 3 hrs

**Sophomore Year - Summer**

**GEP** 3 hrs

**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 4847** 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

UNIVERSITY OF CENTRAL FLORIDA
3. Core Requirements: Basic Level (12 hrs)

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 MGF 1106 Finite Mathematics 3 hrs

Select 1:

Prefer CGS 1060C Introduction to Computer Science or 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)

See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

1 FIL 2030 History of Motion Pictures GEP

1 FIL 1007 Foundations of Story 3 hrs

1 See Transfer Notes for possible substitutes

3. Core Requirements: Basic Level (12 hrs)

FIL 1008 Cinematic Expression/Aesthetics 3 hrs

FIL 2107 Script Analysis 3 hrs

FIL 2423 Foundations of Production 3 hrs

DIG 2000 Introduction to Digital Media 3 hrs

4. Core Requirements: Advanced Level (36 hrs)

FIL 3006 Art of the Cinema 3 hrs

FIL 3462C Cinematic Expression 3 hrs

FIL 3363C Film Documentary 3 hrs

FIL 3036 Film History I 3 hrs

FIL 3037 Film History II 3 hrs

FIL 3051 Avant-Garde Cinema 3 hrs

FIL 3803C Film Theory and Criticism I 3 hrs

FIL 3804C Film Theory and Criticism II 3 hrs

FIL 3845 World Cinema Traditions 3 hrs

FIL 3826 American Cinema 3 hrs

FIL 4661 The Film Producer 3 hrs

Select 1: 3 hrs

FIL 3102 Writing for Film and TV or FIL 3115 Short Script I 3 hrs

5. Restricted Electives (9 hrs)

Select three courses from the following upper level FIL courses:

A maximum of 6 hours Independent Study and/or internship credit may be used

FIL 3850 Cinema Directors 3 hrs

FIL 3880C Images of Women in Film 3 hrs

FIL 3831 Black Cinema 3 hrs

FIL 3841 French New Wave Cinema 3 hrs

FIL 3041 History of Animated Films I 3 hrs

FIL 3824 Italian Neo-Realist Cinema 3 hrs

FIL 3842 International Cinema 3 hrs

FIL 3820 Italian Film 3 hrs

FIL 3822 French Film 3 hrs

FIL 3823 German Film 3 hrs

FIL 3871 The American Film Artist 3 hrs

FIL 4436 Film Theory/Film Production 3 hrs

FIL 4906 Directed Independent Study 3 hrs

FIL 5612 Film and Internet Business 3 hrs

DIG 4855C Converging Media Capstone 3 hrs

DIG 4704 Interactive Entertainment 3 hrs

FIL 3847 Latin American Cinema 3 hrs

FIL 3852 Cinema Criticism Writing 3 hrs

6. Capstone Requirements

None

7. Foreign Language Requirements Admissions

Met by graduation requirement.

Graduation

Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives

Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements

None

10. Required Minors

Must be taken outside the Film Department. (18 hrs min)

11. Departmental Exit Requirements

A student must maintain an overall average of “C” (2.0) or better in major courses.

Computer competency met by one of the following:

CGS 1060C Introduction to Computer Science 3 hrs

STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

FIL 1008 Cinematic Expression/Aesthetics 3 hrs

12. University Minimum Exit Requirements

A 2.0 UCF GPA

60 semester hours earned after CLEP awarded

48 semester hours of upper division credit completed

30 of the last 39 hours of course work must be completed in residency at UCF

A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

120

Honors in Major

None
UCF Degree Programs

Related Programs
- Music
- Theatre
- Radio - Television
- English - Creative Writing
- Film

Certificates
- None

Related Minors
- Music
- Theatre
- Art - Studio
- English - Creative 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

Acceptable substitutes for Common Program Prerequisites
- FIL 2030 may substitute for FIL 1000, but FIL 2030 is a prerequisite for subsequent Film courses and must still 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 1008 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 3 hrs
- FIL 3102 Writing for Film and TV or
- FIL 3115 Short Script I
- 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 3462C Cinematic Expression 3 hrs
- FIL 3804C Film Theory and Criticism II 3 hrs
- FIL 4681 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.oes.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Finance (B.S.B.A.)
College of Business Administration
Department of Finance, Business Administration I, Room: 409
http://web.bus.ucf.edu/academics/finance/
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 business 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 program in the UCF College of Business Administration.

- 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:
- FIN 3403C Business Finance 4 hrs

1. UCF General Education Program (GEP)
A: Communication Foundations (9 hrs)
- Prefer SPC 1608 Fundamentals of Oral Communication

B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (6 hrs)
- Required MAC 1140 Pre-Calculus Algebra 3 hrs
- Required CGS 2100C Computer Fundamentals for Business 3 hrs

D: Social Foundations (6 hrs)
Select 1: 3 hrs
- Suggested ECO 2013 Principles of Macroeconomics 3 hrs or
- Suggested ECO 2023 Principles of Microeconomics 3 hrs

Select 1: 3 hrs
- Suggested PSY 2012 General Psychology 3 hrs or
- Suggested ANT 2000 General Anthropology 3 hrs or
- 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.
- See “Common Prerequisites” in the Transfer and Transitions services section for more information.
- ACG 2071 Principles of Managerial Accounting 3 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs
- CGS 2100C Computer Fundamentals for Business 3 hrs
- AOG 2021 Principles of Financial Accounting 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 2333 Concepts of Calculus and Analytical Geometry 3 hrs
- STA 2023 Statistical Methods I 3 hrs

3. Core Requirements: Basic Level (32 hrs)

First or subsequent semester in the College of Business Administration:
- ^1 GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
- GEB 3375 Introduction to International Business 4 hrs
- BUL 3130 Legal and Ethical Environment of Business 3 hrs
- ECO 3411 Quantitative Business Tools II 4 hrs
- FIN 3403C Financial Risk and Investment Analysis 3 hrs
- MAN 3025 Management of Organizations 4 hrs
- MAR 3023 Marketing 4 hrs
- Select one of the following sequences of courses:
  - E: Science Foundations (6 hrs)
  - ACG 3141 Intermediate Financial Accounting II 3 hrs
  - ECO 4412 Econometrics 3 hrs
  - FIN 3424C Business Finance 3 hrs
  - FIN 4604 International Finance 3 hrs
- MAR 3203 Supply Chain Management 4 hrs

^1 Required in 1st or 2nd semester.

4. Core Requirements: Advanced Level (18 hrs)

Select 2:
- FIN 3303 Financial Markets 3 hrs
- FIN 3414 Intermediate Corporate Finance 3 hrs
- FIN 3504 Investment Analysis 3 hrs
- FIN 4453 Financial Models 3 hrs
- 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 3 hrs

5. Restricted Electives (6 hrs)

Select 2:
- ACG 3131 Intermediate Financial Accounting II 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 3424C Business Finance 3 hrs
- 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 3 hrs
- FIN 4906 Directed Independent Study or
- FIN 4941 Finance Internship or
- ^1 FIN 4903H Honors Directed Reading I or
- ^1 FIN 4907H Undergraduate Honors Thesis or
- MAR 3391 Professional Selling or
- RIE 3043 Real Estate Appraisal and Valuation or
- RIE 4032 Residential Real Estate Finance or
- RIE 4303 Real Estate Investment Analysis or
- RIE 4732 Real Estate Development or
- TAX 4001 Taxation of Business Entities and Transactions or
- RIE 4303 Real Estate Finance or
- RIE 4933 Advanced Topics in Real Estate or
- GEB 4374 International Negotiations and Transactions 3 hrs

6. Capstone Requirements (4 hrs)

Select 2: 6 hrs
- MAN 4720 Strategic Management 4 hrs
- This course is taken in the graduating term and requires the following prerequisites:
  - GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
  - MAR 3023 Marketing 4 hrs
  - MAN 3025 Management of Organizations 4 hrs
  - FIN 3403C Financial Risk and Investment Analysis 3 hrs

7. Foreign Language Requirements

Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation

Graduation
- None

8. Electives
- (variable)

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- None

12. University Minimum Exit Requirements
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

- Total Semester Hours Required
- 120

Honor 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 of Florida: 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.

1 Must be in the UCF Honors in the Major Program. See http://www.honors.ucf.edu/ for details.
Foreign Language Education - French (B.S.)

College of Education
School of Teaching, Learning, and Leadership,
Education Building, Room: 209
http://www.education.ucf.edu/language

Dr. Karen Verkler, ED 220L, kverkler@mail.ucf.edu, 407-823-5430
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 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.
   - 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

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)
   - EDF 2130 Child and Adolescent Development for Educators 3 hrs
   - FRE 2201 Intermediate French 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.
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs

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

Specialization Requirements 33 hrs
- FLE 4333 Foreign Language Teaching in the Secondary School 3 hrs
- FLE 4314 Foreign Language Teaching in Elementary Schools 3 hrs
- FRE 3300 French Grammar 3 hrs
- FRE 3420 French Composition 3 hrs
- FRE 3760 Advanced French Oral Communication 3 hrs
- FRW 3100 Survey of French Literature I 3 hrs
- FRW 3101 Survey of French Literature II 3 hrs
- FRE 4421 Advanced French Conversation 3 hrs
- FRE 4422 Advanced French Composition 3 hrs

Upper division restricted electives (FRE/FRW 3/4XXX with advisor’s consent) 6 hrs

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
- 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
- Recommended Four Year Sequence of Courses

Freshman Year - Fall 12 hrs
- ENC 1101 Composition I 3 hrs
- MAT 1106 Finite Mathematics 3 hrs
- PSY 2012 General Psychology 3 hrs
- AMH 2010 U.S. History: 1492-1877 3 hrs

Freshman Year - Spring 12 hrs
- AMH 2020 U.S. History: 1877-Present 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
- PHI 2010 Introduction to Philosophy 3 hrs

Sophomore Year - Fall 15 hrs
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- 1 EDF 2130 Child and Adolescent Development for Educators 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
Select 1: 3 hrs
- STA 2014C Principles of Statistics or
- STA 1060C Basic Statistics Using Microsoft Excel

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
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs
- FRE 2201 Intermediate French Language and Civilization II 3 hrs

Select 1: 3 hrs
- ANT 2511 The Human Species or
- BSC 1005 Biological Principles 3 hrs

Sophomore Year - Summer 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL 3 hrs

Junior Year - Fall 15 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- FRE 3300 French Grammar 3 hrs
- FRE 3420 French Composition 3 hrs
- FRW 3100 Survey of French Literature I 3 hrs

Junior Year - Spring 15 hrs
- FRW 3101 Survey of French Literature II 3 hrs
- FRE 3760 Advanced French Oral Communication 3 hrs
- FRE 3780 French Phonetics and Diction 3 hrs
- FRE 4422 Advanced French Composition 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs

Junior Year - Summer 9 hrs
- FLE 4314 Foreign Language Teaching in Elementary Schools 3 hrs
- FLE 4333 Foreign Language Teaching in the Secondary School 3 hrs
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs

Select 1: 3 hrs
- AN 2511 The Human Species or
- BSC 1005 Biological Principles 3 hrs

Course may be taken in the Fall of the senior year with consent of instructor. Freshmen must complete the Gordon Rule.

Senior Year - Fall 12 hrs
- FLE 3940 Internship 3 hrs
- FRE 4421 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.o eas.ucf.edu/alc/academic_learning_compacts.htm

Foreign Language Education - Spanish (B.S.)

College of Education

School of Teaching, Learning, and Leadership,
Education Building, Room: 209
http://www.education.ucf.edu/language
E-mail: kverkler@mail.ucf.edu

Dr. Karen Verkler, ED 220L
Dr. Janet Andreassen, ED 120Q, jandreas@mail.ucf.edu, 407-823-5430
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)

1. UCF General Education Program (GEP) (36 hrs)
- Students are advised to take the preferred courses.
- A: Communication Foundations (9 hrs)
  - Required ENC 1101 Composition I 3 hrs
  - Required ENC 1102 Composition II 3 hrs
  - Select 1: 3 hrs

- 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)
  - Prefer MGF 1106 Finite 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: 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

3. Core Requirements: Basic Level (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)
- EDF 4410 Teaching Strategies and Classroom Management 3 hrs
- EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL

Degree Requirements
- Meet the Gordon Rule Requirement.
- Meet the foreign language admission requirement.
**5. Restricted Electives**

- Required prior to Internship I
- Community college transfer students may substitute EEX 2010 Introduction to Special Education.

<table>
<thead>
<tr>
<th>Internship I</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>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 &quot;C-&quot; or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.</td>
<td></td>
</tr>
<tr>
<td>Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at <a href="http://www.clinicalexperiences.education.ucf.edu">http://www.clinicalexperiences.education.ucf.edu</a>.</td>
<td></td>
</tr>
<tr>
<td>FLE 3940 Internship</td>
<td></td>
</tr>
</tbody>
</table>

**Specialization Requirements** 27 hrs

- 1 FLE 4333 Foreign Language Teaching in the Secondary School 3 hrs
- 1 FLE 4314 Foreign Language Teaching in Elementary Schools 3 hrs
- SPN 3300 Advanced Spanish Grammar and Composition 3 hrs
- SPN 3340 Spanish Composition 3 hrs
- SPN 3760 Advanced Spanish Oral Communication 3 hrs
- 2 SPW 3100 Survey of Spanish Literature I 3 hrs
- 2 SPW 3101 Survey of Spanish Literature II 3 hrs
- SPN 3344 Advanced Spanish Native Fluency I 3 hrs
- SPN 3345 Advanced Spanish Native Fluency II 3 hrs

**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: 3 hrs
  - 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](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.
- FLE 4941 Internship 12 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
- 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

- AMH 2010 U.S. History: 1492-1877 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

- AMH 2020 U.S. History: 1877-Present 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

- PHI 2010 Introduction to Philosophy 3 hrs

**Sophomore Year - Fall** 15 hrs

- EDF 2005 Introduction to the Teaching Profession 3 hrs
- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs

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**TSL 4090** Theory and Practice of Teaching ESOL 3 hrs

**RED 4043** Content Reading in Kindergarten through Grade 12 3 hrs

**2 EEX 4242** Teaching Exceptional Students in Secondary Settings 3 hrs

**3 EDF 4603** Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs

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**UNIVERSITY OF CENTRAL FLORIDA**

199 Undergraduate Catalog 2011-2012
**UCF Degree Programs**

For undergraduate programs are located at:

- Program Academic Learning Compacts
- Senior Year - Spring 12 hrs
  - EDF 2085 Introduction to Diversity for Educators
  - EME 2040 Introduction to Technology for Educators
  - SPN 3234 Advanced Directed Readings
- Select 1: 3 hrs
  - BSC 1005 Biological Principles
  - ANT 2511 The Human Species

**Sophomore Year - Summer** 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL

**Junior Year - Fall** 15 hrs
- EDG 4410 Teaching Strategies and Classroom Management
- SPN 3000 Advanced Spanish Grammar and Composition
- SPN 3344 Advanced Spanish Native Fluency I
- SPN 3420 Spanish Composition
- SPN 3760 Advanced Spanish Oral Communication
- Select 1: 3 hrs
  - SPW 3100 Survey of Spanish Literature I or
  - SPW 3130 Survey of Latin-American Literature I

**Junior Year - Spring** 15 hrs
- EDF 4467 Learning Theory and Assessment
- SPN 3345 Advanced Spanish Native Fluency II
- SPN 4430 Content Reading in Kindergarten through Grade 12
- Select 1: 3 hrs
  - SPW 4100 Survey of Spanish Literature I or
  - SPW 4130 Survey of Latin-American Literature I

**Senior Year - Fall** 12 hrs
- FLE 4941 Internship
- Select 1: 3 hrs
  - SPN 3852 Bilinguismo
  - SPN 4800 Spanish-American Syntax
  - SPN 4801 Spanish Morphosyntax
- Select 1: 3 hrs
  - SPW 3100 Survey of Latin-American Literature I or
  - SPW 3130 Survey of Latin-American Literature II

**Senior Year - Spring** 12 hrs
- FLE 4941 Internship

**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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**Forensic Science - Analysis Track (B.S.)**

**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
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)** (39 hrs)

   - Note: Certain courses must be selected in the GEP for this major, which brings the GEP hours above 36

   **A: Communication Foundations** (9 hrs)
   - Prefer SPC 1603 Fundamentals of Technical Presentations
   - Required ENC 1101 Composition I
   - Required ENC 1102 Composition II

   **B: Cultural & Historical Foundations** (9 hrs)
   - Required MAC 2311 Calculus with Analytic Geometry I
   - Required STA 2023 Statistical Methods I

   **C: Mathematical Foundations** (7 hrs)
   - Required MAC 2311 Calculus with Analytic Geometry I
   - Required PHY 2048C Physics for Engineers & Scientists I

   **D: Social Foundations** (6 hrs)
   - Required BSC 2010C Biology I
   - Required PHY 2048C Physics for Engineers & Scientists I

   **E: Science Foundations** (8 hrs)
   - Required BSC 2010C Biology I
   - Required PHY 2048C Physics for Engineers & Scientists I

2. **Common Program Prerequisites (CPP)** (16 hrs)

   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

   - BSC 2010C Biology I
   - Co-op credit cannot be used in this major.
   - 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)
   - Prefer SPC 1603 Fundamentals of Technical Presentations
   - Required ENC 1101 Composition I
   - Required ENC 1102 Composition II

   **B: Cultural & Historical Foundations** (9 hrs)
   - Required MAC 2311 Calculus with Analytic Geometry I
   - Required STA 2023 Statistical Methods I

   **C: Mathematical Foundations** (7 hrs)
   - Required MAC 2311 Calculus with Analytic Geometry I
   - Required PHY 2048C Physics for Engineers & Scientists I

   **D: Social Foundations** (6 hrs)
   - Required BSC 2010C Biology I
   - Required PHY 2048C Physics for Engineers & Scientists I

   **E: Science Foundations** (8 hrs)
   - Required BSC 2010C Biology I
   - Required PHY 2048C Physics for Engineers & Scientists I

2. **Common Program Prerequisites (CPP)** (16 hrs)

   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

   - BSC 2010C Biology I
   - Co-op credit cannot be used in this major.
   - 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.

**NOTE:** These courses are considered to be equivalents:

- A one semester course for students with a strong chemistry background and a high Chemistry Placement score:
  - CHM 2045C Chemistry Fundamentals I
- Students with little chemistry background should take this two semester equivalent instead:
  - CHM 2040 Chemistry Fundamentals IA and
  - CHM 2041 Chemistry Fundamentals IB

**3. Core Requirements: Basic Level** (18 hrs)

**Core Science and Math Requirements** (18 hrs)

- BSC 2010C Biology I
- CHM 2210 Organic Chemistry I
- CHM 2211 Organic Chemistry II
CHM 2211L Organic Laboratory Techniques I 2 hrs
CHM 3120 Analytical Chemistry 3 hrs
CHM 3120L Analytical Chemistry Laboratory 1 hr
MAC 2311 Calculus with Analytic Geometry I GEP/CPP
MAC 2312 Calculus with Analytic Geometry II CPP
PCB 3063 Genetics 3 hrs
PCB 3233 Immunology 3 hrs
PHY 2048C Physics for Engineers & Scientists I GEP/CPP
PHY 2049C Physics for Engineers and Scientists II CPP
STA 2023 Statistical Methods I GEP

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 4537 Forensic Laboratory Quality Assurance 2 hrs
   - CHS 3595 Forensic Science in the Courtroom 3 hrs
   - CHS 3533 Forensic Biochemistry I 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:
   - 12 hrs
   - ANT 4521 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
   - PCB 3063L Genetics Laboratory 1 hr
   - PCB 3233L Immunology Laboratory 1 hr

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   - 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.
    - 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.

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 46 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
### 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

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.

#### Senior Year - Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 2010C Biology I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 2045C Chemistry Fundamentals I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 2046 Chemistry Fundamentals II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2046L Chemistry Fundamentals Laboratory</td>
<td>1 hr</td>
</tr>
<tr>
<td>MAC 2311 Calculus with Analytic Geometry I</td>
<td>GEP</td>
</tr>
<tr>
<td>MAC 2312 Calculus with Analytic Geometry II</td>
<td>GEP</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>
</tbody>
</table>

#### Senior Year - Summer

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHS 4591 Forensic Science Internship</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

#### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes)
  - Program Academic Learning Compacts 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: $45 per term
- Full-Time Student: $90 per term

#### Core Science and Mathematics Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</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/CPP</td>
</tr>
<tr>
<td>MAC 2312 Calculus with Analytic Geometry II</td>
<td>GEP/CPP</td>
</tr>
<tr>
<td>STA 2023 Statistical Methods I</td>
<td>GEP</td>
</tr>
<tr>
<td>PHY 2048C Physics for Engineers &amp; Scientists I</td>
<td>GEP/CPP</td>
</tr>
<tr>
<td>PHY 2049C Physics for Engineers and Scientists II</td>
<td>GEP/CPP</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>
</tbody>
</table>

#### Core Requirements: Advanced Level

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Forensic Science Core</td>
<td>18 hrs</td>
</tr>
<tr>
<td>CHS 3501 Introduction to Forensic Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHS 3505C Forensic Microscopy</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHS 4537 Forensic Laboratory Quality Assurance</td>
<td>2 hrs</td>
</tr>
<tr>
<td>CHS 3595 Forensic Science in the Courtroom</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHS 3533 Forensic Biochemistry I</td>
<td>2 hrs</td>
</tr>
<tr>
<td>CHS 4591 Forensic Science Internship</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

#### B. Forensic Biochemistry Track:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCB 3020C General Microbiology</td>
<td>5 hrs</td>
</tr>
<tr>
<td>BCH 4063 Biochemistry I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BCH 4064 Biochemistry II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BCH 4103L Biochemical Methods</td>
<td>2 hrs</td>
</tr>
<tr>
<td>PCB 3522 Molecular Biology I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 4524 Molecular Biology II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BSC 3403C Quantitative Biological Methods</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHS 4534C Forensic Biochemistry II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHS 3533L Forensic Biochemistry I Laboratory</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

#### 5. Restricted Electives

Any course approved by the Forensic Program advisor. 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 departmental degree requirements.

#### Required BSC 2010C Applied Physical Chemistry 3 hrs

- CHS 3530C Forensic Analysis of Controlled Substances 4 hrs
- GEP 3 hrs
- Free Elective 1 hr
- Free Elective 1 hr

#### Required BSC 2010C Applied Physical Chemistry 3 hrs

- CHS 3530C Forensic Analysis of Controlled Substances 4 hrs
- GEP 3 hrs
- Free Elective 1 hr
- Free Elective 1 hr

#### Required E: Science Foundations 4 hrs

- Required BSC 2010C Applied Physical Chemistry 3 hrs
- Required PHY 2048C Physics for Engineers & Scientists I 4 hrs

#### Required A: Communication Foundations 9 hrs

- Preferred SPC 1603 Fundamentals of Technical Presentations 3 hrs
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs

#### Required B: Cultural & Historical Foundations 9 hrs

- Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
- Required STA 2023 Statistical Methods I 3 hrs

#### Required C: Mathematical Foundations 7 hrs

- Required MAC 2311 Calculus with Analytic Geometry I 4 hrs

#### Required D: Social Foundations 6 hrs

- Required PHY 2048C Physics for Engineers & Scientists I 4 hrs

#### Required 2. Common Program Prerequisites (CPP) 16 hrs

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
Plan of Study

One of numerous possible plans of study. See program description for undergraduate programs are located at:
http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

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
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 must also substitute other upper division level courses for FRE 3420, FRE 4422, FRE 3760, and FRE 4421.

Admission Requirements

- None

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- 36 credits in French must be taken at the 3000 level or above.
- At least six of the 36 French credits must be at the 4000 level.
- At least 30 hours must be taken in Modern Language courses taught in French.
- Earn at least a “C” (2.0) in each upper division French course.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Modern Languages and Literatures.

Certificates

- 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

15 hrs

BSC 2010C Biology I 4 hrs
ENC 1101 Composition I 3 hrs
MAC 2311 Calculus with Analytic Geometry I 4 hrs
CHM 2045C Chemistry Fundamentals I 4 hrs

Freshman Year - Spring

15 hrs

PHY 2049C Physics for Engineers and Scientists 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
CHS 3501 Introduction to Forensic Science 3 hrs

Sophomore Year - Fall

16 hrs

GEP 3 hrs
SPC 1603 Fundamentals of Technical Presentations 3 hrs
STA 2023 Statistical Methods I 3 hrs
PHY 2049C Physics for Engineers and Scientists II 4 hrs
CHM 2210 Organic Chemistry I 3 hrs

Sophomore Year - Spring

16 hrs

GEP 3 hrs
GEP 3 hrs

Junior Year - Fall

14 hrs

PCB 3063 Genetics 3 hrs
PCB 3063L Genetics Laboratory 1 hr
CHS 3505C Forensic Microscopy 4 hrs
CHS 4537 Forensic Laboratory Quality Assurance 2 hrs
Restricted Elective 3 hrs
Free Elective 1 hr

Junior Year - Spring

13 hrs

ENC 1102 Composition II 3 hrs
GEP 3 hrs
CHS 3595 Forensic Science in the Courtroom 3 hrs
CHM 3120 Analytical Chemistry 3 hrs
CHM 3120L Analytical Chemistry Laboratory 1 hr

Senior Year - Fall

16 hrs

PCB 3233 Immunology 3 hrs
PCB 3233L Immunology Laboratory 1 hr
CHS 3533 Forensic Biochemistry I 2 hrs
BCH 4053 Biochemistry I 3 hrs
PCB 3522 Molecular Biology I 3 hrs
PCB 4524 Molecular Biology II 3 hrs
CHS 3533L Forensic Biochemistry I Laboratory 1 hr

Senior Year - Spring

15 hrs

GEP 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

4 hrs

CHS 4591 Forensic Science Internship 4 hrs
UCF Degree Programs

- Language credit by exam will not be given in courses lower in level than those in which students are presently enrolled. Native speakers will be allowed Credit by Examination in literature courses only.
- Co-op or internship credit cannot be used in this major.
- Students must see their advisor to obtain proper counseling and have their schedule approved before registering for courses in their major.
- Courses designated as Gen Ed Program and Common Program Prerequisites (CPP) 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)
D: Science Foundations (6 hrs)
E: Social Foundations (6 hrs)

- Required MGF 1106 Finite Mathematics 3 hrs
- STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

1 (may substitute a higher level math)

2. Common Program Prerequisites (CPP) (14 hrs)

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

- Required FRE 1120C Elementary French Language and Civilization I 4 hrs
- FRE 1121C Elementary French Language and Civilization II 4 hrs
- FRE 2200 Intermediate French Language and Civilization I 3 hrs
- FRE 2201 Intermediate French Language and Civilization II 3 hrs
- FRE 3420 French Composition 3 hrs
- FRE 3300 French Grammar 3 hrs
- FRE 3780 French Phonetics and Diction 3 hrs
- FOL 3730 Romance Philology 3 hrs
- Select 1: 3 hrs
- FRE 3240 French Composition III or
- FRE 4422 Advanced French Composition 3 hrs

- Required FRE 3760 Advanced French Oral Communication 3 hrs
- FRE 4421 Advanced French Conversation 3 hrs
- Select 1: 3 hrs
- FRW 3101 Survey of French Literature II or
- FRW 3770 Francophone Literature 3 hrs

1 A native or near-native French speaker must substitute alternate upper division French courses in consultation with a departmental advisor.

3. Core Requirements: Basic Level

- None

4. Core Requirements: Advanced Level (21 hrs)

- Required FRE 3300 French Grammar 3 hrs
- FRW 3101 Survey of French Literature I 3 hrs
- FOL 3730 Romance Philology 3 hrs
- Select 1: 3 hrs
- FRE 3420 French Composition III or
- FRE 4422 Advanced French Composition 3 hrs

- Required FRE 3760 Advanced French Oral Communication 3 hrs
- Select 1: 3 hrs
- FRW 3101 Survey of French Literature II or
- FRW 3770 Francophone Literature 3 hrs

1 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 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

- Spanish
- Modern Language Combination

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

- 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

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 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 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)
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)
- Required CGS 2100C Computer Fundamentals for Business 3 hrs
- Suggested MAC 1140 Pre-Calculus Algebra 3 hrs

D: Social Foundations (6 hrs)
- Select 1:
  - Required ECO 2013 Principles of Macroeconomics 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 2203 to be waived from ECO 3401.
- ECO 3401 Quantitative Business Tools I 3 hrs
- or MAC 2233 Concepts of Calculus and 3 hrs
- STA 2203 Statistical Methods I 3 hrs

3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level (32 hrs)

Core Classes 32 hrs

First or subsequent semester in the College of Business (32 hrs)

Administration:
- BUL 3130 Legal and Ethical Environment of Business 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 3213 Introduction to International Business and 4 hrs
- MAN 3025 Management of Organizations and 4 hrs
- MAR 3023 Marketing and 4 hrs
- MAR 3203 Supply Chain Management 4 hrs
- Required in 1st or 2nd semester
- Must be taken with GEB 3031

Second Level Core 12 hrs
- Students must take at least one course from each of the following areas: Economics (must take ECP 4703), Finance, Management, and Marketing.
- Second Level core electives: must take one class from courses listed below in Finance, Management, and Marketing.

Economics: Must Select 3 hrs
- ECP 4703 Managerial Economics 3 hrs

Finance: Select One 3 hrs
- FIN 3303 Financial Markets or 3 hrs
- FIN 3414 Intermediate Corporate Finance or 3 hrs
- FIN 3504 Investment Analysis 3 hrs

Management: Select One 3 hrs
- GEB 3113 How to Start a 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

Marketing: Select One 3 hrs
- MARK 3403 Sales Force Management or 3 hrs
- MARK 3613 Marketing Analysis and Research or 3 hrs
- MAR 4156 International Marketing or 3 hrs
- MAR 4841 Services Marketing 3 hrs

5. Restricted Electives (12 hrs)

- Restricted electives are to be taken from two different departments and from the courses listed above or below from Economics, at least two of the restricted electives must be at the 4000 level.
- 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 prior written approval.
- ECO 3223 Money and Banking 3 hrs
- ECP 3203 Labor Economics 3 hrs

6. Capstone Requirements (4 hrs)
- MAN 4720 Strategic Management 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

Honors in Major
- None
## UCF Degree Programs

### 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.

### Acceptable Substitutes for Transfer Courses
- ACG 2021-Principles of Financial Accounting may be substituted with ACG X001 and ACG X011.

### Plan of Study

#### Freshman Year - Fall
15 hrs
- ENC 1101 Composition I 3 hrs
- ENC 1608 Fundamentals of Oral Communication 3 hrs

1. Must complete nine hours in a summer term.

#### Freshman Year - Spring
15 hrs
- CGS 2100C Computer Fundamentals for Business 3 hrs
- ENC 1102 Composition II 3 hrs
- MAC 1105C College Algebra 3 hrs

#### Sophomore Year - Fall
15 hrs
- ACG 2021 Principles of Financial Accounting 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs

1. **“C” (2.0) or better grade required in each class. Student should choose to major in one of the two areas of study below.

#### Sophomore Year - Spring
15 hrs
- ACG 2071 Principles of Managerial Accounting 3 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs
- ECO 3401 Quantitative Business Tools I 3 hrs

#### Junior Year - Fall
16 hrs
- BUL 3130 Legal and Ethical Environment of Business 4 hrs
- GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
- GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
- MAN 3025 Management of Organizations 4 hrs
- MAR 3203 Supply Chain Management 4 hrs

1. Required in 1st or 2nd semester

### Junior Year - Spring
15 hrs
- ECO 3411 Quantitative Business Tools II 4 hrs
- FIN 3403C Business Finance 4 hrs
- MAR 3023 Marketing 4 hrs

#### Senior Year - Fall
16 hrs
- GEB 3375 Introduction to International Business 4 hrs

1. **Students take 3 restrictive electives from approved list described above**

#### Senior Year - Spring
13 hrs
- ECP 4703 Managerial Economics 3 hrs
- 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.oes.ucf.edu/aic/academic_learning_compacts.htm](http://www.oes.ucf.edu/aic/academic_learning_compacts.htm)

### Equipment Fees
- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

### Health Informatics and Information Management (B.S.)

#### College of Health and Public Affairs

Department of Health Management and Informatics, Health and Public Affairs II, Room: 210

[http://www.cohipa.ucf.edu/hmi/bshim.cfm](http://www.cohipa.ucf.edu/hmi/bshim.cfm)

**Dr. Alice M. Noblin, anoblin@mail.ucf.edu**

**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 continuance in, and graduation from the Health Informatics and Information Management Program.
- UCF Residency Requirement: 30 hours

1. **UCF General Education Program (GEP)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hrs</th>
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<tbody>
<tr>
<td>A: Communication Foundations</td>
<td>37 hrs</td>
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<tr>
<td>B: Cultural &amp; Historical Foundations</td>
<td>9 hrs</td>
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<tr>
<td>C: Mathematical Foundations</td>
<td>6 hrs</td>
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</table>

Suggested MAC 1105C College Algebra 3 hrs

Suggested STA 2014C Principles of Statistics 3 hrs
D: Social Foundations (6 hrs)
- 3533C Human Anatomy 4 hrs
- 3733C Human Physiology 4 hrs
- STA 2014C Principles of Statistics GEP
- ACG 2021 Principles of Financial Accounting 3 hrs

2. Core Requirements: Advanced Level (66 hrs)
- 3147: Introduction to Pharmacology 3 hrs
- 4109: Principles of Managed Care 3 hrs
- 4191: Health Care Automation 3 hrs
- 4702: Health Sciences Research Methods 3 hrs
- 3537: Medical Terminology 3 hrs
- 4557: Pathophysiology I 3 hrs
- 4558: Pathophysiology II 3 hrs
- HIM 3006: Foundations of Health Information Management (HIM) 3 hrs
- HIM 3116C: Health Record Organization and Management 4 hrs
- HIM 3806C: Professional Practice Experience I 3 hrs
- HIM 4181C: Professional Practice Experience II 3 hrs
- HIM 4282C: Coding Procedures I 5 hrs
- HIM 4256C: Coding Procedures II 3 hrs
- HIM 4676: Professional Development and Issues in Health Information Management 3 hrs
- HIM 4344C: Health Information Department Management 4 hrs
- HIM 4508C: Quality Management 3 hrs
- HIM 4565C: Health Information Management Systems 3 hrs
- HIM 4838: Management Affiliation 5 hrs
- Select 1: 3 hrs
  - HIM 4180: Organization & Management for Health Agencies I or
  - MAN 3025: Management of Organizations 3 hrs

5. Restricted Electives
- None

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- A minimum 2.5 overall GPA is required for graduation.
- Upon completion of the approved program, the student is eligible to submit an application for writing the national registration examination administered by the American Health Information Management Association to qualify as a Registered Health Information Administrator.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed

Additional Notes
- 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
- Health Services Administration
- Business Administration
- Computer Science

Certificates
- None

Related Minors
- Health Services Administration
- Business
- Computer Science

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
- ENC 1101: Composition I 3 hrs
- CHM 1032: General Chemistry 3 hrs
- HSC 2000: Introduction to Allied Health Professions 2 hrs
- MAC 1105C: College Algebra 3 hrs
- Select 1: 3 hrs
  - PSY 2012: General Psychology or 3 hrs
  - SYG 2000: Introduction to Sociology or 3 hrs
  - ANT 2000: General Anthropology 3 hrs

Freshman Year - Spring
- ENC 1102: Composition II 3 hrs
- STA 2014C: Principles of Statistics 3 hrs
- BSC 2010C: Biology I 4 hrs
- Select 1: 3 hrs
  - EUH 2000: Western Civilization I or 3 hrs
  - HUM 2210: Humanistic Tradition I or 3 hrs
  - AMH 2010: U.S. History: 1492-1877 3 hrs
- Select 1: 3 hrs
  - POS 2041: American National Government or 3 hrs
  - ECO 2013: Principles of Macroeconomics 3 hrs

Sophomore Year - Fall
- ZOO 3733C: Human Anatomy 4 hrs
- CGS 2100C: Computer Fundamentals for Business 3 hrs
- ACG 2021: Principles of Financial Accounting 3 hrs
- Select 1: 3 hrs
  - EUH 2001: Western Civilization II or 3 hrs
  - HUM 2230: Humanistic Tradition II or 3 hrs
  - AMH 2020: U.S. History: 1877-Present 3 hrs

Sophomore Year - Spring
- ACG 2071: Principles of Managerial Accounting 3 hrs
- PCB 3703C: Human Physiology 4 hrs
- SPE 1608: Fundamentals of Oral Communication 3 hrs
- Select 1: 3 hrs
  - ARH 2050: History of Western Art I or 3 hrs
  - ARH 2051: History of Western Art II or 3 hrs
  - MUL 2100: Enjoyment of Music or 3 hrs
  - THE 2000: Theatre Survey or 3 hrs
Health Sciences - Pre-Clinical Track (B.S.)

College of Health and Public Affairs

Department of Health Professions, Health and Public Affairs II, Room: 118

http://www.cohpa.ucf.edu/health.pro/pre-clinical.shtml

Dr. Suha Saleh, 407-823-2747

The Bachelor of Science degree in Health Sciences Pre-Clinical Track is designed for students with interest in human health leading to graduate study or career advancement. This degree is designed to provide the students with a solid educational background in basic and health-related sciences, while providing the foundation courses required for admission to graduate level clinical programs in health professions including but not limited to physical therapy, physician assistant, and occupational therapy. The flexibility of this program allows students to prepare for multiple careers in health sciences.

Degree Requirements
- None

Credit Hours Required for the Degree: 120

Junior Year - Fall 15 hrs

1 HSA 4191 Health Care Automation 3 hrs
HIM 3006 Foundations of Health Information Management (HIM) 3 hrs
1 HSC 3537 Medical Terminology 3 hrs
HSC 4555 Pathophysiology I 3 hrs

Select 1: 3 hrs

1 MAN 3025 Management of Organizations or 4 hrs
HSA 4180 Organization & Management for Health Agencies I 3 hrs

Senior Year - Summer 6 hrs

HSA 4109 Principles of Managed Care 3 hrs
HSC 3147 Introduction to Pharmacology 3 hrs

Senior Year - Fall 13 hrs

HIM 4344C Health Information Management 4 hrs
HIM 4508C Quality Management 3 hrs
HIM 4265C Coding Procedures II 3 hrs
HIM 4665C Health Information Management Systems 3 hrs

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 4702 Health Sciences Research Methods 3 hrs
1 HSA 5170 Health Care Finance 3 hrs

Select 1: 3 hrs

Junior Year - Spring 15 hrs

HIM 4226C Coding Procedures I 5 hrs
HIM 3116C Health Record Organization and Management 4 hrs
HIM 3806C Professional Practice Experience I 3 hrs
HSC 4959 Pathophysiology II 3 hrs

Select 1: 3 hrs

MAN 3025 Management of Organizations or 4 hrs
HSA 4180 Organization & Management for Health Agencies I 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: $15.00 per term
- Full-Time Student: $30.00 per term

Admission Requirements
- None
### 5. Restricted Electives (30 hrs)
- Some courses below may have additional prerequisite courses required. Course selection should be in consultation with an advisor and may vary by student depending on individual needs and objectives.
- Laboratory courses are required with selection of certain science classes.
- Students must meet restricted elective hour requirements and UCF upper division credit hour requirements. These are suggested electives based on disciplines, but it is the student's responsibility to check with graduate programs to meet prerequisites.
- Students are advised to check the Program's website for updated information and suggested electives for specific Health Professions.

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<td>PCB 3703C</td>
<td>Human Physiology</td>
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<tr>
<td>ZOO 3733C</td>
<td>Vertebrate Histology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>HSC 3432</td>
<td>Occupational Safety for the Health Care</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSC 4564</td>
<td>Health Care Needs of the Elderly</td>
<td>3 hrs</td>
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<tr>
<td>MCB 2004C</td>
<td>Microbiology for Health Professionals</td>
<td>4 hrs</td>
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<tr>
<td>MCB 3020C</td>
<td>General Microbiology</td>
<td>5 hrs</td>
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<tr>
<td>PCB 3063</td>
<td>Genetics</td>
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<td>PCB 3063L</td>
<td>Genetics Laboratory</td>
<td>1 hr</td>
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<tr>
<td>PCB 3233</td>
<td>Immunology</td>
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<td>PCB 3233L</td>
<td>Immunology Laboratory</td>
<td>1 hr</td>
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<tr>
<td>PCB 4805</td>
<td>Endocrinology</td>
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<td>ATR 3203C</td>
<td>Upper Extremity Function and Measurement</td>
<td>3 hrs</td>
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<td>ATR 3204C</td>
<td>Lower Extremity Function and Measurement</td>
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<td>PET 4606</td>
<td>Applied Fitness in Sport</td>
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<td>SYO 4400</td>
<td>Medical Sociology</td>
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<td>ZOO 3744C</td>
<td>Neurobiology</td>
<td>3 hrs</td>
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<tr>
<td>ZOO 4704C</td>
<td>Clinical Neuroanatomy and Neuroscience</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ZOO 4753C</td>
<td>Vertebrate Anatomy and Neuroscience</td>
<td>4 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
- 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 from restricted electives list that pertain to their particular graduate program emphasis.

### 9. Additional Requirements
- None

### 10. Required Minors
- None

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**Departmental Exit Requirements**
- Students must achieve at least 2.5 overall GPA for graduation.
- A minimum grade of "C" (2.0) in each program prerequisite course, in each core requirement course, and in each restricted elective is required (see sections 2 through 5 above). Students should note that graduate programs may require a higher level of performance for admission.
- Students must take a minimum of 33 hours of upper division Health Sciences Pre-Clinical courses from the UCF Health Sciences Pre-Clinical program to obtain the UCF degree in Health Sciences-Pre-Clinical Track.

**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**
- Biology
- Athletic Training

**Certificates**
- None

**Related Minors**
- Psychology
- Business
- Chemistry
- Education
- Health Informatics and Information Management
- Health Services Administration
- Molecular Biology and Microbiology
- Molecular Biology and Microbiology
- Molecular Biology and Microbiology
- Immunology
- Science Education

**Advising Notes**
- Students should consult with a college advisor each semester.
- Students should consult a pre-professional advisor before making application to a graduate program.
- Students are required to have a personal interview with an advisor at the Undergraduate Student Services after filing Intent to Graduate form online.

**Transfer Notes**
- Completion of 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, College Physics) 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 who take Anatomy and Physiology at a Florida community college may be required to complete additional upper division credits in order to meet University graduation requirement of 48 credit hours of upper division (3000-4000) level credits.

**Acceptable Substitutes for Transfer Courses**
- Biology I (BSC 2010C) can be substituted by Biology I with Lab (BSC 1010 and BSC 1010L).
- Biology II (BSC 2011C) can be substituted by Biology II with Lab (BSC 1020 and BSC 1020L).
- Chemistry Fundamentals I (CHM 2045C) can be substituted by CHM 1045 and Lab.
- Chemistry Fundamentals II (CHM 2046L) and Chemistry Fundamentals Lab (CHM 2046L) can be substituted by CHM 1046 and Lab.
- College Physics I (PHY 2053C) can be substituted by PHY 1053 and Lab.
UCF Degree Programs

- College Physics II (PHY 2054C) can be substituted by PHY 1054 and Lab.
- Human Anatomy (ZOO 3733C) and Human Physiology (PCB 3703C) can be substituted by Human Anatomy and Physiology I & II (BSC X093 and X094 or BSC X085 and X086). Please note that these acceptable transfer courses do not fulfill the 48 hour upper division (3000-4000) credit required by UCF for graduation.
- Students that transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

Plan of Study

**Freshman Year - Fall** 15 hrs

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>BSC 2010C</td>
<td>Biology I</td>
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<tr>
<td>MAC 1105C</td>
<td>College Algebra</td>
<td>3 hrs</td>
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<tr>
<td>ENC 1101</td>
<td>Composition I</td>
<td>3 hrs</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>HSC 2000</td>
<td>Introduction to the Allied Health Professions</td>
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**Freshman Year - Spring** 16 hrs

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<th>Course Code</th>
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<tr>
<td>ENC 1102</td>
<td>Composition II</td>
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<td>PSY 2012</td>
<td>General Psychology</td>
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<tr>
<td>CHM 2045C</td>
<td>Chemistry Fundamentals I</td>
<td>4 hrs</td>
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<td>Principles of Statistics or</td>
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<tr>
<td>STA 2014C</td>
<td>Statistical Methods I</td>
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<td>Select 1:</td>
<td>Enjoyment of Music or</td>
<td>3 hrs</td>
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<tr>
<td>MUL 2010</td>
<td>World Religions or</td>
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<tr>
<td>THE 2000</td>
<td>Theatre Survey or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 2010</td>
<td>Introduction to Philosophy</td>
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**Sophomore Year - Fall** 14 hrs

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<td>CHM 2046</td>
<td>Chemistry Fundamentals II</td>
<td>3 hrs</td>
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<td>CHM 2046L</td>
<td>Chemistry Fundamentals Laboratory</td>
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<td>DEP 2004C</td>
<td>Developmental Psychology</td>
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<td>ZOO 3733C</td>
<td>Human Anatomy</td>
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<td>Select 1:</td>
<td>Western Civilization I or</td>
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<tr>
<td>EUH 2000</td>
<td>U.S. History: 1492-1877 or</td>
<td>3 hrs</td>
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<tr>
<td>AMH 2010</td>
<td>Humanistic Tradition I</td>
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**Sophomore Year - Spring** 16 hrs

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<tr>
<td>PCB 3703C</td>
<td>Human Physiology</td>
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<td>HUN 2002</td>
<td>Modern Concepts in Nutrition</td>
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<tr>
<td>HSC 3147</td>
<td>Introduction to Pharmacology</td>
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<tr>
<td>MAC 1114</td>
<td>College Trigonometry</td>
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<tr>
<td>Select 1:</td>
<td>Western Civilization II or</td>
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<tr>
<td>EUH 2001</td>
<td>Humanistic Tradition II or</td>
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<tr>
<td>AMH 2020</td>
<td>U.S. History: 1877-Present</td>
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**Junior Year - Fall** 13 hrs

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<td>PHY 2053C</td>
<td>College Physics I</td>
<td>4 hrs</td>
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<td>HSC 4555</td>
<td>Pathophysiology I</td>
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<td>Principles of Macroeconomics or</td>
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<td>ECO 2013</td>
<td>Principles of Microeconomics</td>
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**Junior Year - Spring** 16 hrs

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<tr>
<td>PHY 2054C</td>
<td>College Physics II</td>
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<td>HSA 4702</td>
<td>Health Sciences Research Methods</td>
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<td>HSC 4558</td>
<td>Pathophysiology II</td>
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**Senior Year - Fall** 15 hrs

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<td>Preventive Health Care</td>
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<tr>
<td>HSC 4652</td>
<td>Health Law and Ethics</td>
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<td>Restricted Elective</td>
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<tr>
<td>Restricted Elective</td>
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**Senior Year - Spring** 15 hrs

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<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>HSC 4501</td>
<td>Epidemiology of Chronic Diseases</td>
<td>3 hrs</td>
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<tr>
<td>Restricted Elective</td>
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<tr>
<td>Restricted Elective</td>
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Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oes.ucf.edu/al/academic_learning_compacts.htm](http://www.oes.ucf.edu/al/academic_learning_compacts.htm)

Health Services Administration (B.S.)
College of Health and Public Affairs
Department of Health Management and Informatics, Health and Public Affairs II, Room: 210

**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 be completed in the first 60 hours
- UCFA 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)

<table>
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<tr>
<th>Component</th>
<th>Requirement</th>
<th>Courses</th>
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<tr>
<td>A: Communication Foundations</td>
<td>(9 hrs)</td>
<td>Prefer SPC 1608 Fundamentals of Oral Communication</td>
</tr>
<tr>
<td>B: Cultural &amp; Historical Foundations</td>
<td>(9 hrs)</td>
<td>Suggested MAC 1105C College Algebra</td>
</tr>
<tr>
<td>C: Mathematical Foundations</td>
<td>(6 hrs)</td>
<td>Suggested CGS 1060C Introduction to Computer Science</td>
</tr>
<tr>
<td>D: Social Foundations</td>
<td>(6 hrs)</td>
<td>Suggested CGS 2100C Computer Fundamentals for Business</td>
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</table>

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.

For more information, see [http://distrib.ucf.edu/home/](http://distrib.ucf.edu/home/).
3. Core Requirements: Basic Level

- None

4. Core Requirements: Advanced Level (48 hrs)

- None

3. Core Requirements: Basic Level

- None

Certificates

- None

Related Programs

- Public Administration
- Health Informatics and Information Management

Certificates

- Aging Studies

5. Restricted Electives

- None

6. Capstone Requirements (3 hrs)

- HSA 4939 Health Services Administration Capstone

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.

Related Minors

- Aging Studies
- Health Informatics and Information Management
- Health Sciences
- Public Administration

Advising Notes

- Students are urged to have access to a personal computer, modem, and appropriate software to interact with the University and professors.
- A variety of internship opportunities are available for HSA majors all over the country. Students do not have to reside in Central Florida to complete the internship but must meet Eligibility Requirements.
- Students will be assigned a faculty member for the purpose of career advising.

Transfer Notes

- None

Acceptable Substitutes for Transfer Courses

- None

Plan of Study

Freshman Year - Fall

- ENC 1101 Composition I 3 hrs
- HSC 2000 Introduction to the Allied Health Professions 2 hrs
- MAC 1105C College Algebra 3 hrs
- Free Elective 3 hrs

Select 1:

- PSY 2012 General Psychology or 3 hrs
- SYG 2000 Introduction to Sociology 3 hrs

Sophomore Year - Spring

- ENC 1102 Composition II 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

Select 1:

- PSC 1121 Physical Science or 3 hrs
- CHM 1020 Concepts in Chemistry 3 hrs

Sophomore Year - Fall

- ECO 2023 Principles of Microeconomics 3 hrs
- BSC 1005 Biological Principles 3 hrs
- CGS 2100C Computer Fundamentals for Business 3 hrs
- ACG 2021 Principles of Financial Accounting 3 hrs

Select 1:

- MAC 2203 General Chemistry I 3 hrs
- HUM 2210 Humanistic Tradition I 3 hrs
- AMH 2010 U.S. History: 1492-1877 3 hrs
- WOH 2012 World Civilization I 3 hrs

Sophomore Year - Spring

- ACG 2071 Principles of Managerial Accounting 3 hrs
- STA 2023 Statistical Methods I 3 hrs
- Elective / Minor 3 hrs

Select 1:

- ECU 2000 Western Civilization II or 3 hrs
- HUM 2220 Humanistic Tradition II or 3 hrs
- AMH 2020 U.S. History: 1877-Present or 3 hrs
- WOH 2022 World Civilization II 3 hrs

Sophomore Year - Summer

- ACG 2011 Principles of Managerial Accounting 3 hrs
- STA 2023 Statistical Methods I 3 hrs
- Elective / Minor 3 hrs

Select 1:

- ECU 2000 Western Civilization II or 3 hrs
- HUM 2220 Humanistic Tradition II or 3 hrs
- AMH 2020 U.S. History: 1877-Present or 3 hrs
- WOH 2022 World Civilization II 3 hrs

Junior Year - Fall

- HSA 3111 U.S. Health Care Systems 3 hrs
- HSC 3537 Medical Terminology 3 hrs
- HSC 4201 Community Health 3 hrs
- HSA 3222 Long Term Care and Administration 3 hrs
- Elective / Minor 3 hrs

Select 1:

- HSA 3222 Long Term Care and Administration 3 hrs
- Elective / Minor 3 hrs
History (B.A.)

College of Arts and Humanities

Department of History, Colbourn Hall, Room: 551

http://www.history.uchf.edu/

E-mail: history@mail.ucf.edu

Dr. Rosalind J. Beiler
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 must complete at least 36 hours in history.
- 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 at 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) (36 hrs)

   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   Required: AMH 2010 U.S. History: 1492-1877
   Required: AMH 2020 U.S. History: 1877-Present
   Select one course from 1.B.1 list

   C: Mathematical Foundations (6 hrs)
   1 Prefer MGF 1106 Finite Mathematics 3 hrs
   Prefer: CGS 1006C Introduction to Computer Science 3 hrs

   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.
   - AMH 2010 U.S. History: 1492-1877 GEP
   - AMH 2020 U.S. History: 1877-Present GEP

3. Core Requirements: Basic Level (6 hrs)

   Select one of the following sequences of courses:
   - Select one sequence
     EUH 2000 Western Civilization I and 3 hrs
     EUH 2001 Western Civilization II and 3 hrs
   - or
     WOH 2012 World Civilization I and 3 hrs
     WOH 2022 World Civilization II and 3 hrs

4. Core Requirements: Advanced Level (3 hrs)

   HIS 4150 History and Historians 3 hrs

5. Restricted Electives (21 hrs)

   - Must be taken within the History Department
   - Select six hours of approved history courses within three of 4 geographic regions
     - Asian, African, and Middle Eastern 3 hrs
     - British and European 3 hrs
     - Latin American 3 hrs
     - U.S. and Canadian 3 hrs
   - Select three hours of approved history 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 languages may be used to meet the requirement. Majors who are contemplating graduate school should complete two years of a foreign language, preferably one functional in their area of historical interest.

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

   - Maintain a minimum GPA of 2.0 in upper division required courses attempted.
   - Submit a portfolio during the semester of graduation. The portfolio will include 8-12 examples of graded, written work from UCF History classes.
   - Computer competency met by completion of the major.
   - Students must complete at least 18 of the required 36 History credit hours at UCF.

12. University Minimum Exit Requirements

   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 39 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
- Asian Studies
- Judaic Studies
- Latin American Area Studies
### Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oaeas.ucf.edu/acl/academic_learning_compacts.htm](http://www.oaeas.ucf.edu/acl/academic_learning_compacts.htm)

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## Acceptable Substitutes for Transfer Courses

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.

### Degrees

- **Hospitality Management (B.S.)**
- **Rosen College of Hospitality Management**
- **Department of Hospitality Services**, **9907 Universal Boulevard**, **Orlando, FL 32819**
- [http://www.hospitality.ucf.edu](http://www.hospitality.ucf.edu)
- **E-mail:** hospitality@mail.ucf.edu
- **Dr. Fevzi Okumus**, Department Chair
- **Dr. Abraham Pizam**, Dean
- **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** (6 hrs)
- **Select 1:**
  - MAC 1105C College Algebra | 3 hrs
- **D: Social Foundations** (6 hrs)
- **Select 1:**
  - ECO 2013 Principles of Macroeconomics or 3 hrs
  - ECO 2023 Principles of Microeconomics | 3 hrs
- **E: Science Foundations** (6 hrs)
- **Select 1:**
  - PSY 2012 General Psychology or 3 hrs
  - SYG 2000 Introduction to Sociology or 3 hrs
  - ANT 2000 General Anthropology | 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** (34 hrs)

- **Hospitality Management Core**
  - FSS 2221C Techniques of Food Preparation | 4 hrs
  - HFT 3540 Guest Services Management I | 3 hrs
  - HFT 2401 Hospitality Industry Financial Accounting | 3 hrs
  - HFT 3431 Hospitality Industry Managerial Accounting | 3 hrs
  - HFT 2500 Hospitality and Tourism Marketing | 3 hrs
  - HFT 2220 Hospitality Human Resources Management | 3 hrs
  - HFT 3444 Hospitality Information Systems | 3 hrs
  - HFT 3603 Legal Environment in the Hospitality and Tourism Industry | 3 hrs
  - HFT 4464 Hospitality Industry Finance | 3 hrs
  - HFT 4286 Hospitality Communications | 3 hrs
  - HFT 4295 Leadership and Strategic Management in Hospitality Industry | 3 hrs

- **Quantitative Tools**
  - MKC 1105C College Algebra | GEP
  - **Select 1:**
    - CSS 2100C Computer Fundamentals for Business or 3 hrs
    - STA 2023 Statistical Methods I | GEP
  - **Select 1:**
    - ECO 2013 Principles of Macroeconomics or 3 hrs
    - ECO 2023 Principles of Microeconomics | GEP

**4. Core Requirements: Advanced Level** (21 hrs)

- **Sectoral Core** (Choose 6 of the Following 7) | 18 hrs
  - HFT 2254 Lodging Operations or 3 hrs
  - HFT 3700 Tourism Management 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 4755 Theme Park and Attraction Management or 3 hrs
  - HFT 4277 Yacht, Country, And Club Management | 3 hrs
UCF Degree Programs

Internships
- HFT 3840 Internship 1 hr
- HFT 4941 Internship 1 hr
- HFT 4944 Practicum 1 hr

5. Restricted Electives (15 hrs)
- Students must take 15 credit hours (five courses) from the following:
  - FSS 3035 Culture and Cuisine 3 hrs
  - FSS 4135 Corporate Contract and Managed Services Organizations 3 hrs
  - FSS 4286C Catering and Banquet Organization 3 hrs
  - HFT 3353 Golf Planning & Operations I 3 hrs
  - HFT 3354 Agronomy for Golf Course Management 3 hrs
  - HFT 3355 Golf Planning & Operations II 3 hrs
  - HFT 3357 Golf & Club Event Operations 3 hrs
  - HFT 3384 Golf and Club Enterprises Management 3 hrs
  - HFT 3394 Franchising in the Restaurant Industry 3 hrs
  - HFT 3741 Meeting Management 3 hrs
  - HFT 3798 Fairs and Festivals 3 hrs
  - HFT 3868 History and Culture of Wine 3 hrs
  - HFT 4253 Hotel Operations 3 hrs
  - HFT 4266 Restaurant Brand Management 3 hrs
  - HFT 4268 Case Studies in Restaurant Management 3 hrs
  - HFT 4274 Resort Management 3 hrs
  - HFT 4281 Restaurant Leadership Strategies and Tactics 3 hrs
  - HFT 4343 Hospitality Facilities Planning and Design 3 hrs
  - HFT 4358 Golf & Club Facility Design 3 hrs
  - HFT 4432 Hospitality Facilities Planning and Design 3 hrs
  - HFT 4473 Hotel Development Analysis 3 hrs
  - HFT 4478 Hospitality Facilities Planning and Design 3 hrs
  - HFT 4561 Destination Marketing 3 hrs
  - HFT 4571 Managing the Employee Experience in the Theme Park and Attraction Industry 3 hrs
  - HFT 4581 Destination Marketing 3 hrs
  - HFT 4614 Risk Management in Theme Parks and Attractions 3 hrs
  - HFT 4735 Tourism Geography 3 hrs
  - HFT 4736 Destination Management 3 hrs
  - HFT 4754 Exhibit and Trade Show Operations 3 hrs
  - HFT 4759 Product Development in Theme Parks and Attractions 3 hrs
  - HFT 4762 Current Practices in the Airline Industry 3 hrs
  - HFT 4766 Managing the Guest Experience in the Theme Park and Attraction Industry 3 hrs
  - HFT 4787 Operational Issues in the Theme Park and Attraction Industry 3 hrs
  - HFT 4795 Entertainment Arts and Events 3 hrs
  - HFT 4864 Seminar in Quality Brewing and Fine Beer 3 hrs
  - HFT 4886C Exploring Wines of the World 3 hrs
  - HFT 4894 International Gastronomy 3 hrs
  - HUN 3013 Nutrition Concepts and Issues in the Food Service Industry 3 hrs

Specialized Tracks (15 hrs)
- 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 Management Track (15 hrs)**
- HFT 4532 Managing the Employee Experience in the Theme Park and Attraction Industry 3 hrs
- HFT 4614 Risk Management in Theme Parks and Attractions or 3 hrs
- HFT 4759 Product Development in Theme Parks and Attractions or 3 hrs
- HFT 4786 Managing the Guest Experience in the Theme Park and Attraction Industry or 3 hrs
- HFT 4787 Operational Issues in the Theme Park and Attraction Industry or 3 hrs
- HFT 4795 Entertainment Arts and Events 3 hrs

**Golf and Club Management Track (15 hrs)**
- HFT 3353 Golf Planning & Operations I or 3 hrs
- HFT 3354 Agronomy for Golf Course Management or 3 hrs
- HFT 3355 Golf Planning & Operations II or 3 hrs
- HFT 3357 Golf & Club Event Operations or 3 hrs
- HFT 3384 Golf and Club Enterprises Management or 3 hrs
- HFT 4358 Golf & Club Facility Design 3 hrs

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)
- Graduation
- None
- 8. Electives
- 3-11 hours as necessary to result in 120 total credit hours.

9. Additional Requirements
- Final exams will be given during Exam Week only.
- Transfer students to this program must take a minimum of thirty (30) credit hours in Hospitality Management core classes or restricted electives at UCF.

10. Required Minors
- None

11. Departmental Exit Requirements
- None

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, 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 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.

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs
- Select 1: CGS 2100C Computer Fundamentals for Business or STA 2023 Statistical Methods I 3 hrs

Select 1: PSY 2012 General Psychology or 3 hrs
SYG 2000 Introduction to Sociology or 3 hrs
ANT 2000 General Anthropology 3 hrs

Freshman Year - Spring 15 hrs
ENC 1102 Composition II 3 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs
MAC 1105C College Algebra 3 hrs
HFT 2500 Hospitality and Tourism Marketing 3 hrs
ANT 2511 The Human Species 3 hrs

Sophomore Year - Fall 15 hrs
HFT 2220 Hospitality Human Resources Management 3 hrs
AST 2002 Astronomy 3 hrs

Select 1:
ECO 2013 Principles of Macroeconomics or 3 hrs
ECO 2023 Principles of Microeconomics or 3 hrs

Select 1:
HFT 2254 Lodging Operations or 3 hrs
HFT 2759 The Event Industry or 3 hrs

Sophomore Year - Spring 13 hrs
FSS 221C Techniques of Food Preparation 4 hrs
HFT 2401 Hospitality Industry Financial Accounting 3 hrs
HFT 3444 Hospitality Information Systems 3 hrs
ANT 2511 The Human Species 3 hrs

Junior Year - Fall 14 hrs
HFT 3840 Guest Services Management I 3 hrs
HFT 3603 Legal Environment in the Hospitality and Tourism Industry 3 hrs
HFT 3431 Hospitality industry Managerial Accounting 3 hrs
HFT 3940 Internship 1 hr

Junior Year - Spring 16 hrs
HFT 4941 Internship 1 hr

Select 4:
HFT 2750 The Event Industry or 3 hrs
HFT 2224 Lodging Operations or 3 hrs
HFT 3705 Tourism Management or 3 hrs
HFT 3263 Restaurant Management or 3 hrs
HFT 3273 Principles of Resort Timesharing or 3 hrs
HFT 4755 Theme Park and Attraction Management or 3 hrs
HFT 4277 Yacht, Country, And City Club Management 3 hrs

Senior Year - Fall 15 hrs
HFT 4286 Hospitality Communications 3 hrs
HFT 4464 Hospitality Industry Finance 3 hrs
HFT 4944 Practicum 1 hr

Senior Year - Spring 15 hrs
HFT 4295 Leadership and Strategic Management in Hospitality Industry 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $37.50 per term
- Full-Time Student: $75 per term

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
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

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)

2. Common Program Prerequisites (CPP)
- None

3. Core Requirements: Basic Level (9 hrs)
- HUM 2210 Humanistic Tradition I GEP
- HUM 2230 Humanistic Tradition II GEP
- HUM 4953 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 3140 Italian Renaissance Art or 3 hrs
ARH 4170 Greek & Roman Art or 3 hrs
HUM 3552 Christian Thought or 3 hrs
REL 3553 Moses, Jesus and Muhammad or 3 hrs
CLT 3370 Classical Mythology or 3 hrs
CLT 3378 Comparative Mythology or 3 hrs
JST 3401 Jewish People in Antiquity or 3 hrs
REL 3432 Roots of Western Mysticism or 3 hrs
1 PHI 3100 Ancient Philosophy or 3 hrs
1 PHI 3200 Medieval Philosophy or 3 hrs
1 PHI 3460 Modern Western Philosophy 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 3431 Ancient Humanities or 3 hrs
- HUM 3435 Medieval Humanities or 3 hrs
- HUM 3255 Modern Humanities 3 hrs

1 Only one of these courses may be taken.
## Multicultural Humanities

<table>
<thead>
<tr>
<th>Course</th>
<th>Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foundations</td>
<td></td>
</tr>
<tr>
<td>HUM 3230 Contemporary Multicultural Studies</td>
<td>3</td>
</tr>
</tbody>
</table>

## Traditions and Applications

<table>
<thead>
<tr>
<th>Course</th>
<th>Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select 1:</td>
<td></td>
</tr>
<tr>
<td>HUM 3431 Ancient Humanities or</td>
<td>3</td>
</tr>
<tr>
<td>HUM 3435 Medieval Humanities</td>
<td>3</td>
</tr>
</tbody>
</table>

## Critical Humanities

<table>
<thead>
<tr>
<th>Course</th>
<th>Hrs</th>
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<tbody>
<tr>
<td>Foundations</td>
<td></td>
</tr>
<tr>
<td>HUM 3252 Modern Humanities and</td>
<td>3</td>
</tr>
<tr>
<td>HUM 3252 Modern Humanities</td>
<td>3</td>
</tr>
<tr>
<td>PHI 4804 Critical Theory</td>
<td>3</td>
</tr>
</tbody>
</table>

### Traditions and Applications

<table>
<thead>
<tr>
<th>Course</th>
<th>Hrs</th>
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<tbody>
<tr>
<td>Select 1:</td>
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<tr>
<td>HUM 4330 Performance Theory or</td>
<td>3</td>
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<tr>
<td>HUM 4554 Religious Quest and Human Dilemma or</td>
<td>3</td>
</tr>
<tr>
<td>HUM 3394 Representations of Place and Space or</td>
<td>3</td>
</tr>
<tr>
<td>PHH 3510 Marx and Nietzsche or</td>
<td>3</td>
</tr>
<tr>
<td>PHI 3638 Ethical Issues in the 21st Century or</td>
<td>3</td>
</tr>
<tr>
<td>PHI 3033 Philosophy, Religion, and the Environment or</td>
<td>3</td>
</tr>
<tr>
<td>PHM 3022 Sexuality, Gender &amp; Philosophy or</td>
<td>3</td>
</tr>
<tr>
<td>PHM 3123 Feminist Theories or</td>
<td>3</td>
</tr>
<tr>
<td>PHP 3786 Existentialism or</td>
<td>3</td>
</tr>
<tr>
<td>PHP 4782 Phenomenology or</td>
<td>3</td>
</tr>
<tr>
<td>REL 3111 Religion and Philosophy Through Film or</td>
<td>3</td>
</tr>
<tr>
<td>REL 3115 Religion, Spirituality, and Popular Music</td>
<td>3</td>
</tr>
</tbody>
</table>

## 5. Restricted Electives

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:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hrs</th>
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<tbody>
<tr>
<td>HUM 4033 The Spiritual Ideal or</td>
<td>3</td>
</tr>
<tr>
<td>PHI 3700 Philosophy of Religion or</td>
<td>3</td>
</tr>
<tr>
<td>PHI 3800 Aesthetics or</td>
<td>3</td>
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<tr>
<td>Or other courses as approved by advisor</td>
<td>3</td>
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</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 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 4970H Undergraduate Honors Thesis 3 hrs
  - HUM 4933 Senior Research Seminar 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** (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

33 hrs

- Same requirements as for regular majors.

### Related Programs

- Religious Studies
- Philosophy
- Humanities - Philosophy, Religion, & Popular Culture Track

### 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 alternatives 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>Hrs</th>
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<tbody>
<tr>
<td>ENC 1101 Composition I</td>
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<tr>
<td>HUM 2210 Humanistic Tradition I</td>
<td>3</td>
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<tr>
<td>MGF 1106 Finite Mathematics</td>
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<tr>
<td>HUM 2020 Encountering the Humanities</td>
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<tr>
<td>Foreign Language</td>
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#### Freshman Year - Spring

<table>
<thead>
<tr>
<th>Course</th>
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<tr>
<td>ENC 1102 Composition II</td>
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<tr>
<td>HUM 2230 Humanistic Tradition II</td>
<td>3</td>
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<tr>
<td>Semester</td>
<td>Hours</td>
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<tr>
<td>Freshman Year</td>
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**Program Academic Learning Compacts**

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oias.ucf.edu/aic/academic_learning_compacts.htm](http://www.oias.ucf.edu/aic/academic_learning_compacts.htm)
UCF Degree Programs

PHI 4321  Philosophies of Embodiment: Mind/Body/Self or 3 hrs
REL 3131  Religion in America 3 hrs

5. Restricted Electives
- None

6. Capstone Requirements (3 hrs)
   - HUM 4933  Senior Research Seminar 3 hrs

7. Foreign Language Requirements
   Admissions
   - Met by graduation requirement
   Graduation
   - Proficiency equivalent to one year of college instruction in a foreign
     language taught by the Department of Modern Languages and Literatures
     or Judaic Studies. Standardized examinations for foreign languages may
     be used to meet the requirement. Majors who are contemplating graduate
     school should complete two years of a foreign language, preferably one
     functional in their area of proposed graduate interest.

8. Electives
   - Students considering graduate school in humanities are strongly
     encouraged to take Honors in the Major. Requirements are as follows:

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 require-
      ments prior to registering for your last term.

    - Computer Competency met by one of the following:
      - HUM 4970H  Undergraduate Honors Thesis 3 hrs
      - HUM 4933  Senior Research Seminar 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 resi-
      dency 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 33 hrs
   - Same requirements as for regular majors
b. Honors Thesis 6 hrs
   - HUM 4933H  Honors Directed Reading I 3 hrs
   - HUM 4970H  Undergraduate Honors Thesis 3 hrs
c. Additional Requirements of Honors in the Major
   - Application and admission through the Humanities Honors
     Coordinator
   - Fulfill University requirements for Honors in the Major
   - Maintain a UCF GPA of at least 3.2 and a Humanities GPA of at
     least 3.5
   - Successful completion and oral defense of Honors thesis
   - No more than 2 courses (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.
   - Earn a “B” (3.0) or better in both of the following:
     - HUM 4903H  Honors Directed Reading I 3 hrs
     - HUM 4970H  Undergraduate Honors Thesis 3 hrs

Related Programs
- Humanities
- Philosophy
- Religious Studies

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.oeas.ucf.edu/alc/academic_learning_compacts.htm

Industrial Engineering (B.S.I.E.)
College of Engineering and Computer Science
Department of Industrial Engineering and Management
Systems, Engineering II, Room: 312
http://www.iems.ucf.edu/
Dr. William Thompson, william.thompson@ucf.edu
407-823-2204

Admission Requirements
- None

Degree Requirements
- Each engineering student is assigned a qualified engineering aca-
  demic 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 prog-
  ress 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 trans-
     ferring.

   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)
   - 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 3023  Probability and Statistics for Engineers 3 hrs

   D: Social Foundations (6 hrs)
   - Select 1:
     - Preferred ECO 2013  Principles of Macroeconomics 3 hrs
     - Preferred ECO 2023  Principles of Microeconomics 3 hrs
   - Select one class from Social Foundations Group 2 3 hrs
20. University Minimum Exit Requirements

- **A 2.0 UCF GPA**
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- At least 30 hours 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 Examination, 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**
- Mechanical Engineering

**Certificates**
- None

**Related Minors**
- None

**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. Restricted Electives.

**Acceptable Substitutes for Transfer Courses**
- None

**Plan of Study**

**Freshman Year - Fall**
- ENC 1101 Composition I
- EGN 1006C Introduction to the Engineering Profession
- MAC 2311 Calculus with Analytic Geometry I
- CHS 1440 Fundamentals of Chemistry for Engineers

**Freshman Year - Spring**
- ENC 1102 Composition II
- EGN 1007C Introduction to Programming with C
- MAC 2312 Calculus with Analytic Geometry II
- PHY 2048C Physics for Engineers & Scientists I

**Freshman Year - Summer**
- COP 3223 Introduction to Programming with C
Select 1: 3 hrs
- ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics

Sophomore Year - Fall 14 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- EIN 3001 Introduction to Industrial Engineering and Management Systems 3 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs

Sophomore Year - Spring 15 hrs
- MAP 2302 Differential Equations 3 hrs
- EGN 3310 Engineering Analysis-Statics 3 hrs
- EIN 4517 Systems Engineering 3 hrs
- EIN 4243C Human Engineering 3 hrs

Select 1: 3 hrs
- SPC 1608 Fundamentals of Oral Communication or SPC 1603 Fundamentals of Technical Presentations

Sophomore Year - Summer 8 hrs
- EGN 3613 Engineering Economic Analysis 2 hrs
- GEP 3 hrs
- EGN 3321 Engineering Analysis-Dynamics 3 hrs

Junior Year - Fall 15 hrs
- EIN 3314 Work Analysis and Design 3 hrs
- EIN 4391 Manufacturing Engineering 3 hrs
- EIN 3354 Principles of Cost Engineering 3 hrs
- ESI 4312 Operations Research 3 hrs
- ESI 4628C Industrial Engineering Applications of Computers 3 hrs

Junior Year - Spring 15 hrs
- EIN 4364 Facilities Planning 3 hrs
- ESI 4221 Empirical Methods for Industrial Engineering 3 hrs
- ESI 4523C Systems Simulation 3 hrs
- EIN 4333 Production and Distribution Systems 3 hrs

Select 1: 3 hrs
- EGN 3358 Thermo-Fluids-Heat Transfer or EGN 3343 Thermodynamics

Junior Year - Summer 6 hrs
- GEP 3 hrs

Senior Year - Fall 13 hrs
- EIN 4516C Systems Analysis and Design 3 hrs
- ESI 4234 Quality Engineering 3 hrs
- Restricted Elective 3 hrs
- EGN 3373 Principles of Electrical Engineering 3 hrs
- EGN 4624 Engineering Administration 3 hrs

Senior Year - Spring 12 hrs
- EIN 4891C Industrial Engineering Senior Design Project 3 hrs
- Restricted Elective 3 hrs
- GEP 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Information Technology (B.S.)
College of Engineering and Computer Science
Department of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 346
http://www.eecs.ucf.edu/
E-mail: undergraduate@eecs.ucf.edu

Dr. Ali Orooji
Julie Faris
407-823-3327

Admission Requirements
- None

Degree Requirements
- None

4. Core Requirements: Advanced Level (51 hrs)
- A "C" (2.0) or better is required in all these courses.

Core Requirements 45 hrs
- COP 350C Computer Science I 3 hrs
- CIS 3360 Security in Computing 3 hrs
- CAP 4104 Human and Technology Interaction 3 hrs
- EEL 3041 Circuit Analysis 3 hrs
- CGS 3269 Computer Architecture Concepts 3 hrs
- CNT 3004 Computer Network Concepts 3 hrs
- CIS 3193 Fundamentals of Information Technology 3 hrs
- CIS 4313 Managing IT Integration 3 hrs
- CNT 4714 Enterprise Computing 3 hrs
- CIS 4004 Web-Based Information Technology 3 hrs
Plan of Study

**Freshman Year - Fall**
- ENGL 1101 Composition I 3 hrs
- MAC 1114 College Trigonometry 3 hrs
- COP 4910 Frontiers in Information Technology 3 hrs
- ENC 4265 Writing for the Computer Industry 3 hrs
- ENC 4414 Writing and Hypertext or
- ENC 4415 Digital RHETORICS The Modern Dialectic 3 hrs
- Select 1: 3 hrs
- ENC 3241 Writing for the Technical Professional or
- ENC 3211 Theory and Practice of Technical Writing or
- ENC 3260 Professional Writing 3 hrs

**Sophomore Year - Fall**
- MAC 1105 College Algebra or
- MAC 1140 Pre-Calculus Algebra 3 hrs
- ENC 1102 Composition II 3 hrs
- MAC 1114 College Trigonometry 3 hrs
- COP 3502 Computer Science I 3 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs
- PSY 2012 General Psychology 3 hrs

**Junior Year - Fall**
- MAD 2104 Foundations of Discrete Math 3 hrs
- COP 3330 Object Oriented Programming 3 hrs
- PHY 2053 College Physics I 4 hrs
- CGS 3269 Computer Architecture Concepts 3 hrs
- STA 2023 Statistical Methods I 3 hrs
- CGS 2545 Database Concepts 3 hrs
- GEP 3 hrs

**Senior Year - Fall**
- CNT 4703C Design and Implementation of Computer Communication Networks 3 hrs
- CIS 4004 Web-Based Information Technology 3 hrs
- Restricted Elective 3 hrs
- Free Elective 3 hrs
- CNT 4603 System Administration and Maintenance 3 hrs
- CNT 4714 Enterprise Computing 3 hrs

**Sophomore Year - Spring**
- MAD 2104 Foundations of Discrete Math 3 hrs
- COP 3330 Object Oriented Programming 3 hrs
- CGS 3269 Computer Architecture Concepts 3 hrs
- STA 2023 Statistical Methods I 3 hrs
- CGS 2545 Database Concepts 3 hrs
- GEP 3 hrs

**Senior Year - Spring**
- CNT 4703C Design and Implementation of Computer Communication Networks 3 hrs
- CIS 4004 Web-Based Information Technology 3 hrs
- Restricted Elective 3 hrs
- Free Elective 3 hrs
- COP 4910 Frontiers in Information Technology 3 hrs
- CNT 4714 Enterprise Computing 3 hrs

**Program Academic Learning Compacts**
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oeas.ucf.edu/abacademic_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
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)
   - 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
   - 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
  - Health
  - Humanities
  - Letters and Modern Languages
  - Physical Sciences
  - Life/Biomedical Sciences
  - Public Affairs

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 either a foreign language or proficiency equivalent to American Sign Language III. Standardized examinations 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

Related Programs
- Interdisciplinary Studies - Environmental Studies Track
- Interdisciplinary Studies - Women’s Studies Track

Certificates
- None

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
407-823-0144

The Environmental Studies track is a program that prepares students for a number of interesting and challenging careers. Its interdisciplinary nature provides students with tools that can be applied across a spectrum of science, social behavior, and humanities, using the strengths of the various areas. Students seeking journalistic or artistic careers will gain a scientific background by which to understand environmental science, while students going into the sciences will appreciate the social, political, and ethical dimensions of environmental actions and policy decisions.

Admission Requirements

- None

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog
- Students must have declared an Interdisciplinary Studies major at least one semester before graduation
- Independent study forms must be approved by the director prior to taking an independent study or internship for use in the program; non-approved independent studies will not be counted towards the major
- Co-op credit cannot be used in the major
- Students must earn at least a "C" (2.0) grade in each required course in the core and subject areas
- Students must consult with an Interdisciplinary Studies adviser when entering the program
- Courses designated in 1 (General Education Program) and 2 (Program Academic Learning Compacts) 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)

D: Social Foundations (6 hrs)

Select 1: (3 hrs)

E: Science Foundations (8 hrs)

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UCF Degree Programs

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

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.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   D: Social Foundations (6 hrs)
   E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)
■ None

3. Core Requirements: Basic Level
■ None

4. Core Requirements: Advanced Level
■ None

5. Restricted Electives (36 hrs)
■ 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.
■ Students must complete one subject area from those specified in the Second Study Area below.
■ Students must take a minimum of 18 hours of approved courses in each selected subject area (excluding GEP courses).
■ Students are required to take a minimum of 18 UCF hours, as well as 18 upper division hours, in the two areas combined

First Study Area - Womanist/Women of Color Area 18 hrs
■ Take 18 hours from either the Womanist/Women of Color Area or from the Women’s Studies Cognate Area
WST 3401 Women, Race and Struggle 3 hrs
Select 5:
AML 3614 Topics in African-American Literature or 3 hrs
ANT 4308 Gender Issues in Latin America or 3 hrs
ASH 4304 Women in China or 3 hrs

Second Study Area - Women’s Studies Cognate Area 18 hrs
■ Take 18 hours from either the Womanist/Women of Color Area or from the Women’s Studies Cognate Area

Related Minors
■ None

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.oecs.ucf.edu/alc/academic_learning_compacts.htm

6. Capstone Requirements
■ None

7. Foreign Language Requirements
Admissions
■ Two years of high school, or one year college language (or equivalency 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
■ Environmental Engineering
■ Political Science
■ Economics

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.oecs.ucf.edu/alc/academic_learning_compacts.htm

Undergraduate Catalog 2011-2012
International and Global Studies (B.A.)
Department of Political Science, Howard Phillips Hall,
Room: 302
http://www.cos.ucf.edu/politicalscience
E-mail: politics@ucf.edu
Dr. Roger Handberg
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/duale degree policy in Political Science programs and minors:
- Students who double major/degree in any Political Science track and International and Global Studies shall not count more than two courses toward both programs, with the exception of:
  - POS 204 | 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 204 | American National Government 3 hrs
### UCF Degree Programs

<table>
<thead>
<tr>
<th>1. UCF General Education Program (GEP)</th>
<th>(36 hrs)</th>
</tr>
</thead>
<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>Prefer WOH 2012 World Civilization I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Prefer WOH 2022 World Civilization II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Required One course from GEP B.2 list</td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>C: Mathematical Foundations</strong></td>
<td>(6 hrs)</td>
</tr>
<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>
</tr>
<tr>
<td>May substitute a higher level math with appropriate scores</td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>Math:</strong></td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>Statistics:</strong></td>
<td>3 hrs</td>
</tr>
<tr>
<td>Prefer STA 2014C Principles of Statistics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Prefer STA 1060C Basic Statistics Using Microsoft Excel or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>May substitute a more advanced STA course.</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>Required One course from GEP D.2 list</td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>E: Science Foundations</strong></td>
<td>(6 hrs)</td>
</tr>
<tr>
<td><strong>2. Common Program Prerequisites (CPP)</strong></td>
<td></td>
</tr>
<tr>
<td>None</td>
<td></td>
</tr>
<tr>
<td><strong>3. Core Requirements: Basic Level</strong></td>
<td>(6 hrs)</td>
</tr>
<tr>
<td>INR 2002 International Relations-Theory and Practice</td>
<td>3 hrs</td>
</tr>
<tr>
<td>POS 2041 American National Government</td>
<td>GEP</td>
</tr>
<tr>
<td>ECO 2013 Principles of Macroeconomics</td>
<td></td>
</tr>
<tr>
<td><strong>4. Core Requirements: Advanced Level</strong></td>
<td>(15 hrs)</td>
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<tr>
<td>GEO 3471 World Political Geography</td>
<td>3 hrs</td>
</tr>
<tr>
<td>IDS 4515 Global Perspectives</td>
<td>3 hrs</td>
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<tr>
<td>CPO 3103 Comparative Politics</td>
<td>3 hrs</td>
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<tr>
<td>POS 3703 Scope and Methods of Political Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4603 International Relations Theory</td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>5. Restricted Electives</strong></td>
<td>(18 hrs)</td>
</tr>
<tr>
<td>Note: Students must meet all prerequisites before taking these courses.</td>
<td></td>
</tr>
<tr>
<td>Other courses may be substituted with the chair’s approval.</td>
<td></td>
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<tr>
<td><strong>Regional</strong></td>
<td>9 hrs</td>
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<tr>
<td>Select from the following listing:</td>
<td></td>
</tr>
<tr>
<td>CPO 3034 Politics of Developing Areas</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CPO 3104 Politics of Western Europe</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CPO 3403 Politics of the Middle East</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CPO 3614 Politics of Eastern Europe</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CPO 4062 Comparative Judicial Process</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CPO 4074 Political Economy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CPO 4101 Politics of the European Union</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CPO 4123 Government and Politics of Great Britain</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CPO 4303 Comparative Latin American Politics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CPO 4553 Politics of Japan</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CPO 4643 Government and Politics of Russia</td>
<td>3 hrs</td>
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<tr>
<td>CPO 4710 Women in Comparative Politics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CPO 5354 Contemporary Politics of the Mayan Region</td>
<td>3 hrs</td>
</tr>
<tr>
<td>POS 3253 Contemporary Revolution and Political Violence</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CPO 4514 Politics of East Asia</td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>Functional</strong></td>
<td>9 hrs</td>
</tr>
<tr>
<td>Select from the following listing:</td>
<td></td>
</tr>
<tr>
<td>INR 3253 International Politics of Africa</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4030 Diplomacy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4350 Global Environmental Politics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4054 Global Politics of Energy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4074 Immigration Policy</td>
<td>3 hrs</td>
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<tr>
<td>INR 4075 Human Rights Policy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4076 Global Drug Policy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4304 Issues in International Public Policy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4364 The Intelligence Community</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4714 Politics of International Trade Policy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4035 International Political Economy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4065 Women, Gender, and Globalization</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4102 American Foreign Policy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4104 Topics and Cases in American Foreign Policy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4114 American Security Policy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4115 Strategic Weapons and Arms Control</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4224 Contemporary International Politics of Asia</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4243 International Politics of Latin America</td>
<td>3 hrs</td>
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<tr>
<td>INR 4335 Coercion in International Politics</td>
<td>3 hrs</td>
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<tr>
<td>INR 4351 International Environmental Law</td>
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<tr>
<td>INR 4401 International Law I</td>
<td>3 hrs</td>
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<tr>
<td>INR 4402 International Law II</td>
<td>3 hrs</td>
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<tr>
<td>INR 4404 Space Law</td>
<td>3 hrs</td>
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<tr>
<td>INR 4502 International Organizations</td>
<td>3 hrs</td>
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<tr>
<td>INR 4941 Internship</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PUP 4503 Government and Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PUP 4510 Space Policy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4084 Politics of International Terrorism</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1 A maximum of 3 hours of Internship can be used.

### 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.

#### 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.

### 8. Electives

- 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.

#### 9. Additional Requirements

- None

### 10. Required Minors

- Select from the following minors
- 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
- French
- German
- International Business
- Italian
- European Studies
- 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.

### 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
- Anthropology
- Economics
- History

Certificates
- None

Related Minors
- Anthropology
- Economics
- History
- Psychology
- Sociology
- 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
- 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
- POS 2041 American National Government 3 hrs
- ENC 1101 Composition I 3 hrs
- WOH 2012 World Civilization I 3 hrs
- MGF 1107 Explorations in Mathematics 3 hrs
- Foreign Language 4 hrs

Freshman Year - Spring 16 hrs
- ENC 1102 Composition II 3 hrs
- STA 2014C Principles of Statistics 3 hrs
- Foreign Language 4 hrs
- WOH 2022 World Civilization II 3 hrs
- INR 2002 International Relations-Theory and Practice 3 hrs

Sophomore Year - Fall 16 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs
- Foreign Language 4 hrs
- GEO 3471 World Political Geography 3 hrs
- POS 3703 Scope and Methods of Political Science 3 hrs
- GEP 3 hrs

Sophomore Year - Spring 16 hrs
- Foreign Language 4 hrs
- IDS 4315 Global Perspectives 3 hrs
- CPO 3103 Comparative Politics 3 hrs
- INR 4603 International Relations Theory 3 hrs
- GEP 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

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.oelas.ucf.edu/alic/academic_learning_compacts.htm

Interpersonal/Organizational Communication (B.A.)

College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu
E-mail: communication@mail.ucf.edu
Dr. Jim Katt, Area Coordinator, jkatt@mail.ucf.edu
Rebecca Morales, Academic Support, rmorales@mail.ucf.edu
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 must consult with a school advisor.
- School residency requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the Nicholson School of Communication.
- 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: 3 hrs
- Required STA 1060C Basic Statistics Using Microsoft Excel or
- Required STA 2014C Principles of Statistics 3 hrs

Math: 3 hrs
- Suggested 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 Exam.

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (18 hrs)
- Students are expected to select these courses outside their major, and outside the GEP. The courses may be interspersed throughout their 4 year program.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements: Basic Level (3 hrs)
- SPC 1608 Fundamentals of Oral Communication
- GEP

Statistics: 3 hrs
- STA 1060C Basic Statistics Using Microsoft Excel or
- STA 2014C Principles of Statistics

Computer Science: 3 hrs
- CGS 2100C Computer Fundamentals for Business or
- CGS 2585C Desktop/Internet Publishing or
- CGS 3175 Internet Applications

4. Core Requirements: Advanced Level (12 hrs)
- Take all of the following: 12 hrs
- COM 3011C Communication and Human Relations and
- COM 3120 Organizational Communication and
- COM 3311 Communication Research Methods and
- SPC 3301 Interpersonal Communication 3 hrs
UCF Degree Programs

5. Restricted Electives (27 hrs)

Internal Restricted Electives: 21 hrs
- Select from the following list:
  - COM 3013 Communication and the Family 3 hrs
  - COM 3022 Health Communication 3 hrs
  - COM 3110 Business and Professional Communication 3 hrs
  - COM 3332 Communication, Technology, and Change 3 hrs
  - COM 3406 Role of Motivation in Communication 3 hrs
  - COM 4014 Gender Issues in Communication 3 hrs
  - COM 4416 Terrorism and Communication 3 hrs
  - COM 4461 Intercultural Communication 3 hrs
  - COM 4462 Conflict Management 3 hrs
  - SPC 3445 Leadership Through Oral Communication 3 hrs
  - SPC 3513C Argumentation and Debate 3 hrs
  - SPC 4331 Nonverbal Communication 3 hrs
  - SPC 4426 Group Dynamics 3 hrs
  - SPC 4540 Attitudes and Communication 3 hrs

A maximum of 6 credits of any combination of the following can be used as an Internal Restricted Elective:
- COM 4941 Internship or 3 hrs
- SPC X949 Coop or 3 hrs

A maximum of 6 credits of any combination of the following can be used as an Internal Restricted Elective:
- ENC 3250 Professional Writing or 3 hrs
- ENC 3311 Advanced Expository Writing or 3 hrs
- ENC 3241 Writing for the Technical Professional 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.
- Eight credits of American Sign Language (ASL) can satisfy this requirement for students graduating under this catalog. Consult with the NSC advising staff to understand how choosing ASL might impact hours needed to graduate.

8. Electives
- Select primarily from upper level courses. May be taken outside of the Nicholson School of Communication.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Achieve a “C” (2.0) or better average GPA in Nicholson School of Communication 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.

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 school advisor for alternate, new or more appropriate selections.

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- ENC 1102 Composition II 3 hrs
- MGF 1107 Explorations in Mathematics 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- STA 2014C Principles of Statistics 3 hrs
- Foreign Language 4 hrs
- Free Elective 3 hrs

Sophomore Year - Fall
- Free Elective 3 hrs
- GE 3 hrs
- GE 3 hrs
- Free Elective 4 hrs

Sophomore Year - Spring
- Free Elective 3 hrs
- GE 3 hrs
- GE 3 hrs
- Free Elective 3 hrs

Junior Year - Fall
- COM 3011C Communication and Human Relations 3 hrs
- COM 3311 Communication Research Methods 3 hrs
- Restricted Elective 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs

Junior Year - Spring
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Free Elective 3 hrs
- SPC 3301 Organizational Communication 3 hrs
- SPC 3301 Interpersonal Communication 3 hrs

Senior Year - Fall
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Free Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Senior Year - Spring
- 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.oceas.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@mail.ucf.edu
Dr. Steve Collins, Area Coordinator, scollins@mail.ucf.edu
Rebecca Morales, Academic Support, rmorales@mail.ucf.edu
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.
- At least 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 gram- mar 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 recommend that majors work for a student newspaper.
- Journalism majors may obtain an off-campus internship with a commercial newspaper, a magazine, or website.
- 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 Nicholson 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 UCF Nicholson School of Communication.
- The Journalism program follows the Society of Professional Journalists Code of Ethics. Students who violate the code (plagiarizing, cheating or fabricating, for example) may be removed from the program.

1. UCF General Education Program (GEP)  (36 hrs)
   A: Communication Foundations  (9 hrs)
   Composition: Complete both courses.  6 hrs
   Required ENC 1101 Composition I and
   Required ENC 1102 Composition II  3 hrs
   Speech:  3 hrs
       Required SPC 1608 Fundamentals of Oral Communication

B: Cultural & Historical Foundations  (9 hrs)
   Group 1: Select a course from group 1. 3 hrs
       Prefer AMH 2010 U.S. History: 1492-1877 or
       Prefer AMH 2020 U.S. History: 1877-Present  3 hrs
   Group 2: Select a course from group 2. 3 hrs
   Group 3: Select a third course from either group 1 or 2. 3 hrs

C: Mathematical Foundations  (6 hrs)
   Statistics-Computers:  3 hrs
       Suggested CGS 1080C Introduction to Computer Science or
       Prefer STA 2014C Principles of Statistics  3 hrs
   Math:  3 hrs
       Suggested 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 Exam.

D: Social Foundations  (6 hrs)
   Group 1: 3 hrs
       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)
   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

Complete the following:
   SPC 1608 Fundamentals of Oral Communication GEP

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 Magazine Publishing  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
   PGY 3610C Photojournalism I  3 hrs
   Any JOU or PGY prefix writing, photojournalism, or editing course

6. Capstone Requirements
   None

7. Foreign Language Requirements

Admissions
   Met by graduation requirement
UCF Degree Programs

Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.
- Eight credits of American Sign Language (ASL) can satisfy this requirement for students graduating under this catalog; however it will not count toward the 65 hour Liberal Arts requirement. Consult with the NSC advising staff to understand how choosing ASL impacts hours needed to graduate.

8. Electives
- Select primarily from upper level courses, with school advisor's approval. Must be from outside of the Nicholson School of Communication 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 Nicholson 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 Nicholson School of Communication in order to not exceed the 40 credit hour cap.

11. Department 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.

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 Nicholson School of Communication are not open to Journalism majors.
- English - Creative Writing
- English - Linguistics
- English - Literature
- English - Technical Communication
- Writing and Rhetoric
- History
- Magazine Journalism
- Political Science
- Sociology

Advising Notes
- It is the student's responsibility to ensure that course prerequisites have been satisfied before registering for a class.
- Students are urged to contact their school 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 school advisor for alternate, new or more appropriate selections.

Freshman Year - Fall
- SPC 1608  Fundamentals of Oral Communication  3 hrs
- ENC 1101  Composition I  3 hrs
- MGF 1107  Explorations in Mathematics  3 hrs
- GEP 3 hrs
- Foreign Language  4 hrs

Freshman Year - Spring
- ENC 1102  Composition II  3 hrs
- Foreign Language  4 hrs
- STA 204C  Principles of Statistics  3 hrs
- GEP 3 hrs
- Elective / Minor  3 hrs
- Apply for admission to the major

Sophomore Year - Fall
- JOU 2100C  News Reporting  3 hrs
- GEP 3 hrs
- GEP 3 hrs
- Elective / Minor  3 hrs
- Elective / Minor  3 hrs

Sophomore Year - Spring
- JOU 3004  History of American Journalism  3 hrs
- GEP 3 hrs
- GEP 3 hrs
- Elective / Minor  3 hrs
- Elective / Minor  3 hrs

Junior Year - Fall
- 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
- Elective / Minor  3 hrs
- Restricted Elective  3 hrs
- Free Elective  3 hrs
- VIC 3001  Visual Communication  3 hrs
- MMC 3200  Mass Communication Law  3 hrs

Senior Year - Fall
- Elective / Minor  3 hrs
- Restricted Elective  3 hrs
- Restricted Elective  3 hrs
- Free Elective  3 hrs
- JOU 4700  Journalism Ethics  3 hrs

Senior Year - Spring
- 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.oelas.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fees
- Full-Time Student: $22 per term
- Full-Time Student: $44 per term

UNIVERSITY OF CENTRAL FLORIDA
Latin American Studies (B.A.)

College of Arts and Humanities
Colburn Hall, Room: 406E and F
http://las.cah.ucf.edu/

E-mail: latinamerica@mail.ucf.edu
Dr. Jose M. Maunez-Cuadra, jmaunez@mail.ucf.edu, 407-823-1173
407-823-1174

Admission Requirements

None

Major Requirements 15 hrs

ANT 4332 People and Cultures of Latin America 3 hrs
GEA 4405 Geography of Latin America 3 hrs
LAH 3200 Modern Latin America 3 hrs
LAS 2001 Topics in Latin American Studies 3 hrs
LAS 3101 Latin American Popular Culture 3 hrs

In addition, students are required to take 21 hours of restricted electives, 12 hours from the first area and 9 hours from the second area of emphasis.

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 previous approval by the program director.

Students must earn at least a "C" (2.0) in each required course.

Students should consult with the program director.

Program Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken at UCF.

Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

Required ARH 2050 History of Western Art I 3 hrs
Select 2 Courses From B.1 Based On Area Selections 6 hrs

C: Mathematical Foundations (6 hrs)

Suggested STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

Select 1:

Suggested MGF 1106 Finite Mathematics 3 hrs
Suggested MGF 1107 Explorations in Mathematics 3 hrs

D: Social Foundations (6 hrs)

Prefer ANT 2000 General Anthropology 3 hrs
Prefer POS 2041 American National Government 3 hrs

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)

None

3. Core Requirements: Basic Level (3 hrs)

LAS 2001 Topics in Latin American Studies 3 hrs

4. Core Requirements: Advanced Level (12 hrs)

ANT 4332 People and Cultures of Latin America 3 hrs
GEA 4405 Geography of Latin America 3 hrs
LAH 3200 Modern Latin America 3 hrs
LAS 3101 Latin American Popular Culture 3 hrs

5. Restricted Electives (21 hrs)

Restricted electives are divided into two areas of emphasis. Students must take a minimum of 12 credit hours in the first area of emphasis and 9 additional credit hours in the second area of emphasis as detailed below.

Students may not use more than 9 credit hours of courses with the same prefix within the first area of emphasis or more than 6 credit hours of courses with the same prefix within the second area of emphasis.

Note that this is not an exhaustive list of course options. Other courses with a focus on either Latin America or the Caribbean can be accepted with prior written authorization from the program director.

AREA ONE: 12 hrs

ANTHROPOLOGY

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 3166 Maya Archaeology 3 hrs
ANT 3319 Anthropology of Diaspora 3 hrs
ANT 3330 Cultural Ecology of Amazonia 3 hrs
ANT 3344 Puerto Rican Culture 3 hrs
ANT 4266 Economic Anthropology: Production, Consumption, and Exchange 3 hrs

HISTORY

LAH 3130 Latin American History I 3 hrs
LAH 3400 History of Mexico and Central America 3 hrs
LAH 3470 History of the Caribbean 3 hrs
LAH 4136 Colonial Florida 3 hrs
LAH 4512 Modern Argentina 3 hrs
LAH 4461 History of Puerto Rico 3 hrs
LAH 4480 History of Cuba 3 hrs
LAH 4742 The Mexican Revolution 3 hrs
LAH 4780 Poverty and Development in Latin America 3 hrs

Spanish and Spanish Literature

Students may choose from the extensive listing of upper level SPN and SPW courses. No more than six (6) hours can overlap between the major and the minor.

AREA TWO: 9 hrs

(Select no more than 6 credit hours of courses with the same prefix)

ART HISTORY

ARH 2051 History of Western Art II 3 hrs
ARH 3670 20th Century Latin American Art 3 hrs
ARH 3673 Modern Art of Mexico 3 hrs
ARH 3674 Latin American Popular Visual Culture 3 hrs
ARH 4653 Meso American Art 3 hrs

ENGLISH

AML 3615 Harlem, Haiti, and Havana 3 hrs
AML 3682 Ethnic Literature in America 3 hrs
AML 4630 Latino/Latina Literature 3 hrs
LIT 3192 Caribbean Literature 3 hrs
LIT 3381 Women Writers of Color 3 hrs
LIT 3823 Hispanic Women Writers 3 hrs

HUMANITIES

HUM 3460 Latin American Humanities 3 hrs

INTERNATIONAL RELATIONS

INR 4243 International Politics of Latin America 3 hrs

LATIN AMERICAN STUDIES

LAS 4023 African Caribbean Experience 3 hrs

POLITICS

CPO 3034 Politics of Developing Areas 3 hrs
CPO 3103 Comparative Politics 3 hrs
CPO 4047 Politics of the NAFTA Region 3 hrs
CPO 4074 Political Economy 3 hrs
CPO 4794 Indigenous Politics and the Environment 3 hrs
CPO 4303 Comparative Latin American Politics 3 hrs

PUBLIC POLICY

PUP 3314 Minorities in American Politics 3 hrs

6. Capstone Requirements

Required Experiential Learning (capstone experience, 0 - 3 hrs):

Students are required to complete a study or work experience in Latin American Studies. This may be fulfilled through participation in any one of the following:

A formal study-abroad program on Latin America of at least 45 contact hours equaling three hours of academic credit or a Program Director approved program in the United States or its territories with Hispanic populations. Up to three hours of academic internship credit for this option may be available if authorized by the Program Director Internship on Latin American Studies.

Students may also elect to complete three hours of upper division credit in an indigenous language such as Yucatec Maya, Nahuatl, or Quechua. As the latter languages are currently not taught at UCF, interested students would need to enroll in an off-campus program.

At the discretion of the Program Director, prior life, study, or work experience may be considered as satisfying this experiential learning requirement.
UCF Degree Programs

7. Foreign Language Requirements
   Admissions
   ■ Foreign Language Requirement: (0 - 14 hrs)
   ■ LAS majors will have a proficiency equivalent to four semesters of college instruction in a single foreign language taught by the Department of Modern Languages and Literatures. Spanish or Portuguese preferred, although other Latin American languages may be acceptable with prior written consent of the LAS program director. Standardized examinations for foreign languages may be used to meet the requirement.
   Graduation
   ■ None
   8. Electives
   ■ Variable
   ■ Select primarily from upper level courses after meeting with an advisor. Courses may be outside the department.
   9. Additional Requirements
   ■ None
   10. Required Minors
       ■ Required Minor: 18 hrs (minimum)
       ■ LAS majors cannot minor in Anthropology, Art History, English, History, Humanities, Latin American Studies or Political Science. A second major in any of the disciplines listed below will satisfy the minor requirement. The LAS minor will continue to be available to non-LAS majors.
       ■ Students will select a minor in consultation with the LAS Program Director. No more than six (6) hours can overlap between the major and the minor. The following are among the options to be considered:
         ■ Accounting
         ■ Digital Media
         ■ Economics
         ■ Emergency Management and Homeland Security
         ■ Energy and Sustainability
         ■ Entrepreneurship: For Non-Business Majors
         ■ Environmental Studies
         ■ Finance
         ■ Health Informatics and Information Management
         ■ International Business
         ■ Leadership Studies
         ■ Marketing
         ■ Public Administration
         ■ Spanish
         ■ Technological Entrepreneurship
         ■ Urban and Regional Planning
         ■ 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.
   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.eas.ucf.edu/alc/academic_learning_compacts.htm

Legal Studies (B.A. / B.S.)
College of Health and Public Affairs
Department of Criminal Justice and Legal Studies,
Health and Public Affairs, Room: 343
http://www.cohpa.ucf.edu/legalstudies/index.shtml
E-mail: legalstudies@ucf.edu
Dr. David Slaughter
407-823-1670

The Legal Studies Program provides students with a broad understanding of basic principles of law and the role and function of the legal system. While no specific major is prescribed for admission to law school, many pre-law students elect to major in legal studies. The legal studies program, in addition to preparing students for law-related careers, provides a foundation for law school or other graduate education. All of the full time Legal Studies faculty are attorneys who are graduates of ABA approved law schools and are available for law school advising. Pre-law students are encouraged to work closely with legal studies advisors in planning their programs. Satisfactory completion of program requirements leads to the degree of Bachelor of Arts or Bachelor of Science with a major in Legal Studies.

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
11. Departmental Exit Requirements
- Students must take a minimum of 33 hours of PLA courses at UCF.
- The total semester hours required is 120.
- Second Bachelor’s degree students must complete a minimum of 30 credit hours of Legal Studies (PLA) coursework after being admitted as a second degree seeking student.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors in Major
- Interested students should consult with their faculty advisor.

Related Programs
- Criminal Justice
- History
- Political Science
- Public Administration
- Sociology
- Business Administration

Certificates
- Undergraduate Certificate in Public and Professional Writing

Related Minors
- Business
- Criminal Justice
- Political Science
- Public Administration
- Sociology
- Writing and Rhetoric

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 or
- 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
- ENC 1102 Composition II 3 hrs
- CGS 1060C Introduction to Computer Science 3 hrs
- Free Elective 3 hrs

Select 1: 3 hrs
- ECO 2013 Principles of Macroeconomics or
- POS 2041 American National Government or
- ECO 2023 Principles of Microeconomics 3 hrs

Select 1: 3 hrs
- ARH 2050 History of Western Art I or
- ARH 2051 History of Western Art II or
- MUL 2104 Enjoyment of Music or
- THE 2110 Theatre Survey or
- REL 2300 World Religions or
- PHI 2101 Introduction to Philosophy or
- LIT 2110 World Literature I or
- LIT 2120 World Literature II 3 hrs
UCF Degree Programs

Sophomore Year - Fall  
SPC 1608  Fundamentals of Oral Communication  3 hrs  
Free Elective  3 hrs  
Select 1:  3 hrs  
PSC 1121  Physical Science or  3 hrs  
CHM 1020  Concepts in Chemistry  3 hrs  
Select 1:  3 hrs  
EUH 2000  Western Civilization I or  3 hrs  
HUM 2210  Humanistic Tradition I or  3 hrs  
AMH 2010  U.S. History: 1492-1877  3 hrs  
Foreign Language I or BS option  4 hrs

Sophomore Year - Spring  
PLA 3014  Law and the Legal System  3 hrs  
Free Elective  3 hrs  
Elective / Minor  3 hrs  
Select 1:  3 hrs  
EUH 2001  Western Civilization II or  3 hrs  
HUM 2230  Humanistic Tradition II or  3 hrs  
AMH 2020  U.S. History: 1877-Present  3 hrs  
Foreign Language II or BS option  4 hrs

Junior Year - Fall  
PLA 3108  Legal Research  3 hrs  
PLA 3205  Civil Practice and Procedure  3 hrs  
Restricted Elective  3 hrs  
Restricted Elective  3 hrs  
Supporting Elective  3 hrs

Junior Year - Spring  
PLA 3155  Legal Writing  3 hrs  
PLA 3615  Property and Real Estate Law  3 hrs  
Restricted Elective  3 hrs  
Restricted Elective  3 hrs  
Supporting Elective  3 hrs

Senior Year - Fall  
PLA 4703  Professional Ethics and Liability  3 hrs  
Supporting Elective  3 hrs  
Elecive / Minor  3 hrs  
Elecive / Minor  3 hrs  
Internship or Restricted Elective  3 hrs

Senior Year - Spring  
PLA 4935  Capstone: Legal Issues  3 hrs  
Restricted Elective  3 hrs  
Elective / Minor  3 hrs  
Elective / Minor  3 hrs  
Internship or Restricted Elective  3 hrs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oenas.ucf.edu/alc/academic_learning_compacts.htm

Management (B.S.B.A.)

College of Business Administration
Department of Management, Business Administration
II, Room: 101
http://www.bus.ucf.edu/
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 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)

A: Communication Foundations  (9 hrs)
- Prefer SPC 1608 Fundamentals of Oral Communication

B: Cultural & Historical Foundations  (9 hrs)

C: Mathematical Foundations  (6 hrs)
- Required CGS 2100C Computer Fundamentals for Business
- Required MAC 1140 Pre-Calculus Algebra  3 hrs

D: Social Foundations  (6 hrs)
- Required ANT 2000 General Anthropology or  3 hrs
- Required PSY 2012 General Psychology or  3 hrs
- Required SYG 2000 Introduction to Sociology  3 hrs

1. Select 1:  3 hrs

E: Science Foundations  (6 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.

1 Required  ECO 2023 Principles of Macroeconomics  3 hrs
2  Required  ECO 2023 Principles of Microeconomics  3 hrs

Select one of the following sequences of courses:

- Students who have not completed both MAC 2233 and STA 2023 with a “C” (2.0) or better must take ECO 3401.

- ECO 3401 Quantitative Business Tools I  3 hrs
- or
- MAC 2233 Concepts of Calculus and
- STA 2023 Statistical Methods I  3 hrs

3. Core Requirements: Basic Level

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 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
- MAN 3025 Management of Organizations  4 hrs
- MAR 3023 Marketing  4 hrs
- MAR 3203 Supply Chain Management  4 hrs

1 Required in 1st or 2nd semester
2 Must be taken with GEB 3031

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</td>
<td>Management of Human Resources and ( 3 ) hrs</td>
</tr>
<tr>
<td>MAN 4240</td>
<td>Organizations: Theory and Behavior and ( 3 ) hrs</td>
</tr>
<tr>
<td>MAN 4250</td>
<td>Human Resources Recruitment and Selection and ( 3 ) hrs</td>
</tr>
<tr>
<td>MAN 4330</td>
<td>Compensation Administration and ( 3 ) hrs</td>
</tr>
<tr>
<td>MAN 4350</td>
<td>Training and Development ( 3 ) hrs</td>
</tr>
</tbody>
</table>

#### Restricted Elective Courses 9 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUL 4540</td>
<td>Employment Law ( 3 ) hrs</td>
</tr>
<tr>
<td>GEB 3113</td>
<td>How to Start a Business or ( 3 ) hrs</td>
</tr>
<tr>
<td>GEB 4110</td>
<td>Business Plan Preparation or ( 3 ) hrs</td>
</tr>
<tr>
<td>GEB 4111</td>
<td>New Venture Finance or ( 3 ) hrs</td>
</tr>
<tr>
<td>GEB 4435</td>
<td>Moral Foundations of Business or ( 3 ) hrs</td>
</tr>
<tr>
<td>Any MAN Course</td>
<td>( 3 ) hrs</td>
</tr>
</tbody>
</table>

### General Management Track 24 hrs

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAN 3301</td>
<td>Management of Human Resources and ( 3 ) hrs</td>
</tr>
<tr>
<td>MAN 3520</td>
<td>Quality &amp; Productivity Management and ( 3 ) hrs</td>
</tr>
<tr>
<td>MAN 4240</td>
<td>Organizations: Theory and Behavior and ( 3 ) hrs</td>
</tr>
<tr>
<td>MAN 4441</td>
<td>Conflict Resolution and Negotiation and ( 3 ) hrs</td>
</tr>
<tr>
<td>MAN 4701</td>
<td>Business Ethics and Society ( 3 ) hrs</td>
</tr>
</tbody>
</table>

#### Restricted Elective Courses 9 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUL 4540</td>
<td>Employment Law or ( 3 ) hrs</td>
</tr>
<tr>
<td>GEB 3113</td>
<td>How to Start a Business or ( 3 ) hrs</td>
</tr>
<tr>
<td>GEB 4110</td>
<td>Business Plan Preparation or ( 3 ) hrs</td>
</tr>
<tr>
<td>GEB 4111</td>
<td>New Venture Finance or ( 3 ) hrs</td>
</tr>
<tr>
<td>GEB 4435</td>
<td>Moral Foundations of Business or ( 3 ) hrs</td>
</tr>
<tr>
<td>Any MAN Course</td>
<td>( 3 ) hrs</td>
</tr>
</tbody>
</table>

### Entrepreneurship Track 24 hrs

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>12 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEB 4110</td>
<td>Business Plan Preparation and ( 3 ) hrs</td>
</tr>
<tr>
<td>GEB 4111</td>
<td>New Venture Finance and ( 3 ) hrs</td>
</tr>
<tr>
<td>MAN 3301</td>
<td>Management of Human Resources and ( 3 ) hrs</td>
</tr>
<tr>
<td>MAN 4802</td>
<td>Entrepreneurship ( 3 ) hrs</td>
</tr>
</tbody>
</table>

#### Select 1:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAR 3391</td>
<td>Professional Selling or ( 3 ) hrs</td>
</tr>
<tr>
<td>MAR 3641</td>
<td>Marketing Intelligence ( 3 ) hrs</td>
</tr>
</tbody>
</table>

#### Restricted Elective Courses 9 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUL 4540</td>
<td>Employment Law or ( 3 ) hrs</td>
</tr>
<tr>
<td>GEB 4435</td>
<td>Moral Foundations of Business or ( 3 ) hrs</td>
</tr>
<tr>
<td>Any MAN course</td>
<td>( 3 ) hrs</td>
</tr>
</tbody>
</table>

### 6. Capstone Requirements (4 hrs)

- MAN 4720 | Strategic Management \( 4 \) hrs
- This course is 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
  - GEB 3031L | Cornerstone Lab: Professional Skills for Business \( 1 \) hr
  - MAN 3025 | Management of Organizations \( 4 \) hrs
  - MAR 3023 | Marketing \( 4 \) hrs

  \(^1\) Required in 1st or 2nd semester
  \(^2\) Must be taken with GEB 3031

### 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

- None

### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded

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**UCF Degree Programs**

- 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**

- 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**

- ACG 2021 | Principles of Financial Accounting \( 3 \) hrs
- ACG 2021 | Principles of Financial Accounting \( 3 \) hrs

**Plan of Study**

- Must complete 9 hours in a summer semester.

**Freshman Year - Fall**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>Composition I ( 3 ) hrs</td>
</tr>
<tr>
<td>SPC 1608</td>
<td>Fundamentals of Oral Communication ( 3 ) hrs</td>
</tr>
<tr>
<td>Cult-Hist I</td>
<td>( 3 ) hrs</td>
</tr>
<tr>
<td>Elective</td>
<td>( 3 ) hrs</td>
</tr>
<tr>
<td>Elective</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>CGS 2100C</td>
<td>Computer Fundamentals for Business ( 3 ) hrs</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>Composition II ( 3 ) hrs</td>
</tr>
<tr>
<td>MAC 1105C</td>
<td>College Algebra ( 3 ) hrs</td>
</tr>
<tr>
<td>Cult-Hist II</td>
<td>( 3 ) hrs</td>
</tr>
<tr>
<td>Art/Music/Lit</td>
<td>( 3 ) hrs</td>
</tr>
</tbody>
</table>

**Sophomore Year - Fall**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACG 2021</td>
<td>Principles of Financial Accounting ( 3 ) hrs</td>
</tr>
<tr>
<td>ECO 2023</td>
<td>Principles of Microeconomics ( 3 ) hrs</td>
</tr>
<tr>
<td>Science</td>
<td>( 3 ) hrs</td>
</tr>
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</table>
### UCF Degree Programs

<table>
<thead>
<tr>
<th>Business</th>
<th>Business</th>
<th>Business</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Sophomore Year - Spring</strong></td>
<td><strong>Senior Year - Fall</strong></td>
<td><strong>Senior Year - Spring</strong></td>
</tr>
<tr>
<td>1 AC 2071 Principles of Managerial Accounting 3 hrs</td>
<td>1 GEB 3031 Cornerstone: Professional Skills for Business 3 hrs</td>
<td>1 ECO 3411 Quantitative Business Tools II 4 hrs</td>
</tr>
<tr>
<td>1 ECO 2013 Principles of Macroeconomics 3 hrs</td>
<td>1 GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr</td>
<td>FIN 3403C Business Finance 4 hrs</td>
</tr>
<tr>
<td>1 ECO 3401 Quantitative Business Tools I 3 hrs</td>
<td>MAN 3023 Marketing 4 hrs</td>
<td>MAR 3023 Supply Chain Management 4 hrs</td>
</tr>
<tr>
<td>Science 3 hrs</td>
<td>MAN 3024 Management of Organizations 4 hrs</td>
<td><strong>Junior Year - Fall</strong></td>
</tr>
<tr>
<td>Science 3 hrs</td>
<td>MAR 3023 Marketing 4 hrs</td>
<td><strong>Junior Year - Fall</strong></td>
</tr>
<tr>
<td>Elective 3 hrs</td>
<td><strong>Junior Year - Fall</strong></td>
<td><strong>Junior Year - Fall</strong></td>
</tr>
<tr>
<td>Elective 3 hrs</td>
<td><strong>Junior Year - Fall</strong></td>
<td><strong>Junior Year - Fall</strong></td>
</tr>
</tbody>
</table>

**Entrepreneurship Track**

<table>
<thead>
<tr>
<th>Junior Year - Fall</th>
<th>Senior Year - Fall</th>
<th>Senior Year - Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 GEB 3031 Cornerstone: Professional Skills for Business 3 hrs</td>
<td>1 GEB 3031 Cornerstone: Professional Skills for Business 3 hrs</td>
<td>MAN 4411 Conflict Resolution and Negotiation 3 hrs</td>
</tr>
<tr>
<td>1 GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr</td>
<td>1 GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr</td>
<td>MAN 4701 Business Ethics and Society 3 hrs</td>
</tr>
<tr>
<td>GEB 3375 Introduction to International Business 4 hrs</td>
<td>GEB 3375 Introduction to International Business 4 hrs</td>
<td>MAN 4720 Strategic Management 4 hrs</td>
</tr>
<tr>
<td>MAN 3025 Management of Organizations 4 hrs</td>
<td>MAN 3025 Management of Organizations 4 hrs</td>
<td>Restricted Elective 3 hrs</td>
</tr>
<tr>
<td>MAR 3023 Marketing 4 hrs</td>
<td>MAR 3023 Marketing 4 hrs</td>
<td>Free Elective 3 hrs</td>
</tr>
<tr>
<td><strong>Entrepreneurship Track</strong></td>
<td><strong>Entrepreneurship Track</strong></td>
<td><strong>Entrepreneurship Track</strong></td>
</tr>
<tr>
<td><strong>Junior Year - Spring</strong></td>
<td><strong>Senior Year - Fall</strong></td>
<td><strong>Senior Year - Spring</strong></td>
</tr>
<tr>
<td>BUL 3130 Legal and Ethical Environment of Business 4 hrs</td>
<td>1 ECO 3411 Quantitative Business Tools II 4 hrs</td>
<td>MAR 4411 Conflict Resolution and Negotiation 3 hrs</td>
</tr>
<tr>
<td>ECO 3411 Quantitative Business Tools II 4 hrs</td>
<td>FIN 3403C Business Finance 4 hrs</td>
<td>MAN 4701 Business Ethics and Society 3 hrs</td>
</tr>
<tr>
<td>FIN 3403C Business Finance 4 hrs</td>
<td>MAR 3023 Marketing 4 hrs</td>
<td>MAN 4720 Strategic Management 4 hrs</td>
</tr>
<tr>
<td>MAN 3020 Entrepreneurship 3 hrs</td>
<td>MAR 3023 Supply Chain Management 4 hrs</td>
<td>Restricted Elective 3 hrs</td>
</tr>
<tr>
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<td><strong>Junior Year - Spring</strong></td>
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<td>BUL 3130 Legal and Ethical Environment of Business 4 hrs</td>
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<td><strong>Junior Year - Spring</strong></td>
<td><strong>Senior Year - Fall</strong></td>
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<tr>
<td>BUL 3130 Legal and Ethical Environment of Business 4 hrs</td>
<td>1 ECO 3411 Quantitative Business Tools II 4 hrs</td>
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<td>ECO 3411 Quantitative Business Tools II 4 hrs</td>
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</tr>
<tr>
<td>MAN 3020 Entrepreneurship 3 hrs</td>
<td>MAR 3023 Supply Chain Management 4 hrs</td>
<td>Restricted Elective 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: $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](http://www.bus.ucf.edu)

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 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: MAR 3023 Marketing 4 hrs
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
Required CGS 2100C Computer Fundamentals for Business 3 hrs

D: Social Foundations (6 hrs)
Select 1: ECO 2013 Principles of Microeconomics 3 hrs
         or ECO 2023 Principles of Microeconomics 3 hrs
Select 1: PSY 2012 General Psychology or ANT 2000 General Anthropology or SUG 2000 Introduction to Sociology 3 hrs

E: Science Foundations (6 hrs)
Select one of the following sequences of courses:
1. UCF General Education Program (GEP) (36 hrs)
Select a minimum of 2 courses from the following list of courses:
   - MAR 3023 Marketing 4 hrs
   - MAN 3025 Management of Organizations 4 hrs
   - FIN 3403C Business Finance 4 hrs
   - GEB 3375 Cornerstone: Professional Skills for Business 4 hrs
   - GEB 3371 Cornerstone Lab: Professional Skills for Business 1 hr
   - Supply Chain Management 4 hrs
   - Other courses as specified in the catalog
   - 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)

5. Restricted Electives (6 hrs)
   - Select a minimum of 2 courses from the following list of courses:
     - MAR 4941 Marketing Internship 3 hrs
     - Other courses as specified in the catalog

6. Capstone Requirements (4 hrs)
Take all of the following:
   - MAR 3023 Marketing
   - MAN 3025 Management of Organizations
   - FIN 3403C Business Finance
   - GEB 3375 Cornerstone: Professional Skills for Business
   - This course is taken in the graduating term and requires the following prerequisites:
     - GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
     - Other courses as specified in the catalog

7. Foreign Language Requirements
   - Admissions:
     - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
   - Graduation:
     - None

10. Required Minors
   - None

11. Departmental Exit Requirements
   - None

12. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 46 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 Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- None

Certificates
- Marketing: Entertainment Marketing
- Marketing: Healthcare Marketing
- Marketing: Retailing Management
- Marketing: Selling and Sales Management
- Marketing: Services Marketing
- Marketing: Sport Marketing Management
- Marketing: e-Marketing

Related Minors
- None
UCF Degree Programs

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.

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
- ENC 1102 Composition II 3 hrs
- MAC 1105C College Algebra 3 hrs
- CGS 2100C Computer Fundamentals for Business 3 hrs
- Cult-Hist II 3 hrs
- Art/Music/Lit 3 hrs

Sophomore Year - Fall
15 hrs
- ECO 2023 Principles of Microeconomics 3 hrs
- ACG 2021 Principles of Financial Accounting 3 hrs
- Science 3 hrs
- Psy/Ant/Soc 3 hrs
- Elective 3 hrs

Sophomore Year - Spring
15 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs
- ACG 2071 Principles of Managerial Accounting 3 hrs
- ECO 3401 Quantitative Business Tools I 3 hrs
- Science 3 hrs
- Elective 3 hrs

Junior Year - Fall
16 hrs
- ECO 3411 Quantitative Business Tools II 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
- MAN 4720 Strategic Management 4 hrs
- MAR 4804 Marketing Strategy 3 hrs
- MAR Elective 3 hrs
- GE Non-Business Elective 3 hrs

Senior Year - Spring
17 hrs
- MAR Elective 3 hrs
- MAR 3203 Supply Chain Management 4 hrs

Marketing: Professional Selling Track
Freshman Year - Fall
15 hrs
- ENC 1101 Composition I 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- Restricted Elective 3 hrs
- Cult-Hist I 3 hrs

Freshman Year - Spring
15 hrs
- ENC 1102 Composition II 3 hrs
- MAC 1105C College Algebra 3 hrs
- CGS 2100C Computer Fundamentals for Business 3 hrs
- Cult-Hist II 3 hrs
- Art/Music/Lit 3 hrs

Sophomore Year - Fall
15 hrs
- ECO 2023 Principles of Microeconomics 3 hrs
- ACG 2021 Principles of Financial Accounting 3 hrs
- Restricted Elective 3 hrs
- Science 3 hrs
- Psy/Ant/Soc 3 hrs

Sophomore Year - Spring
15 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs
- ACG 2071 Principles of Managerial Accounting 3 hrs
- ECO 3401 Quantitative Business Tools I 3 hrs
- Science 3 hrs
- Elective 3 hrs

Junior Year - Fall
16 hrs
- ECO 3411 Quantitative Business Tools II 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
16 hrs
- MAR 4803 Marketing Management 3 hrs
- MAR 3025 Management of Organizations 4 hrs
- MAR 3641 Marketing Intelligence 3 hrs
- MAR Elective 3 hrs
- MAR 3203 Supply Chain Management 4 hrs

Senior Year - Fall
17 hrs
- MAR 4803 Marketing Management 3 hrs
- MAR 3025 Management of Organizations 4 hrs
- MAR 3641 Marketing Intelligence 3 hrs
- MAR 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: $15 per term
- Full-Time Student: $30 per term

University of Central Florida
Mathematics - Applied Track (B.S.)
College of Sciences
Department of Mathematics, MAP, Room: 207
http://math.ucf.edu
E-mail: math@mail.ucf.edu
Dr. J. Brennan, jpbrenna@mail.ucf.edu
407-823-5700

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)
- Required: COP 3502C: Computer Science I 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Required: COP 3502C: Computer Science I 3 hrs

C: Mathematical Foundations (7 hrs)
- Required: MAC 2311: Calculus with Analytic Geometry I 4 hrs
- Required: COP 3502C: Computer Science I 3 hrs

D: Social Foundations (6 hrs)
- Required: PHV 2048C: Physics for Engineers & Scientists I 4 hrs

E: Science Foundations (7 hrs)
- Required: PHV 2048C: Physics for Engineers & Scientists I 4 hrs

Physical Science:

- Required: PHV 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 3 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
  - PHV 2048C: Physics for Engineers & Scientists I 3 hrs

3. Core Requirements: Basic Level (3 hrs)
- Required: MAC 3103: Matrix and Linear Algebra 4 hrs
- Required: MAC 3106: Linear Algebra 4 hrs
- Required: MAP 4363: Applied Boundary Value Problems I 3 hrs
- Required: MAP 4364: Applied Boundary Value Problems II 3 hrs

4. Core Requirements: Advanced Level (42 hrs)
- Required: MAC 2311: Calculus with Analytic Geometry I 4 hrs
- Required: MAC 2312: Calculus with Analytic Geometry II 4 hrs
- Required: MAC 2313: Calculus with Analytic Geometry III 4 hrs
- Required: MAP 2302: Differential Equations 3 hrs
- Required: MAP 4363: Applied Boundary Value Problems I 3 hrs
- Required: MAP 4364: Applied Boundary Value Problems II 3 hrs
- Required: STA 4321: Statistical Theory I 3 hrs
- Required: STA 4322: Statistical Theory II 3 hrs
- Required: MAA 4226: Advanced Calculus I 4 hrs
- Required: COP 3502C: Computer Science I 3 hrs
- Required: COP 3502C: Computer Science II 3 hrs
- Required: COP 3502C: Computer Science III 3 hrs
- Required: ENC 3241: Writing for the Technical Professional or ENC 3311: Magazine Writing I or ENC 3311: Advanced Expository Writing 3 hrs

5. Restricted Electives (6 hrs)
- Note: Students must satisfy course prerequisites before enrolling in these courses.
- Select 1: 3 hrs
- Select 2: 3 hrs
- Select 3: 3 hrs
- Select 4: 3 hrs
- Select 5: 3 hrs
- Select 6: 3 hrs

- Required: STA 4641: Risk Theory and Decision 3 hrs

5.b. Biological or physical sciences Elective: 3 hrs
- Select 1: 3 hrs
- Select 2: 3 hrs
- Select 3: 3 hrs
- Select 4: 3 hrs
- Select 5: 3 hrs
- Select 6: 3 hrs

- Required: EGN 3373: Principles of Electrical Engineering 3 hrs
- Required: PHY 3101: Physics for Engineers and Scientists III 3 hrs
- Required: PHY 3336: Thermodynamics 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
- Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.

9. Additional Requirements
- None
- 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.

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)
### UCF Degree Programs

#### Total Semester Hours Required
- 120

#### Honors In Major
- None

#### Related Programs
- Computer Science
- Mathematics Education
- Statistics
- Electrical Engineering
- Mechanical Engineering
- Aerospace Engineering
- Computer Engineering

#### 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.

#### 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.

#### 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
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- STA 2023 Statistical Methods I 3 hrs
- GEP 3 hrs

#### Freshman Year - Spring
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- MHF 3302 Logic and Proof in Mathematics 3 hrs
- GEP 3 hrs
- Free Elective 3 hrs

#### Sophomore Year - Fall
- PHY 2048C Physics for Engineers & Scientists I 4 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- MAS 3105 Matrix and Linear Algebra 4 hrs
- GEP 3 hrs

#### Sophomore Year - Spring
- MAP 2302 Differential Equations 3 hrs
- MAS 3106 Linear Algebra 4 hrs
- PHY 2049C Physics for Engineers and Scientists II 3 hrs

#### Junior Year - Fall
- GEP 3 hrs
- COP 3223 Introduction to Programming with C 3 hrs
- Free Elective 3 hrs
- MAP 4363 Applied Boundary Value Problems I 3 hrs
- Core Course 3 hrs

#### Junior Year - Spring
- COP 3502C Computer Science I 3 hrs
- MAA 4402 Introduction to Complex Variables 3 hrs
- MAP 4364 Applied Boundary Value Problems II 3 hrs
- Free Elective 3 hrs
- GEP 4 hrs

#### Senior Year - Fall
- COP 3502C Computer Science I 3 hrs
- STA 4322 Statistical Theory II 3 hrs
- Restricted Elective 3 hrs

#### Senior Year - Spring
- MAP 4103 Mathematical Modeling I 3 hrs
- STA 4322 Statistical Theory II 3 hrs
- Restricted Elective 3 hrs
- Free Elective 3 hrs
- Writing Core 3 hrs

#### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  - http://www.oetas.ucf.edu/lac/academic_learning_compacts.htm

#### 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. J. Brennan, jbrenna@mail.ucf.edu, 407-823-5700

407-823-6284

E-mail: math@mail.ucf.edu

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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

**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 COP 3502C Computer Science I 3 hrs

**D: Social Foundations** (6 hrs)

**E: Science Foundations** (7 hrs)

**Physical Sciences:** (4 hrs)
- Required PHY 2048C Physics for Engineers & Scientists I 4 hrs

**Life Sciences:** (3 hrs)
- 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 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  CPP
PHY 2049C  Physics for Engineers and Scientists II  4 hrs

3. Core Requirements: Basic Level (3 hrs)

- STA 2023  Statistical Methods I  3 hrs
- MAP 2302  Differential Equations  CPP
- PHY 2048C  Physics for Engineers & Scientists I  CPP
- COP 3002C  Computer Science I  GEP

4. Core Requirements: Advanced Level (42 hrs)

ENC 3241  Writing for the Technical Professional  3 hrs
MAA 4402  Introduction to Complex Variables  3 hrs
MAA 4226  Advanced Calculus I  4 hrs
MAD 4203  Applied Combinatorics  3 hrs
MAS 3106  Linear Algebra  4 hrs
MAP 4363  Applied Boundary Value Problems I  3 hrs
MAP 4364  Applied Boundary Value Problems II  3 hrs
STA 4321  Statistical Theory I  3 hrs
STA 4322  Statistical Theory II  3 hrs
COP 3502C  Computer Science I  GEP
COT 4500  Numerical Calculus  3 hrs

Select 1:

- MHF 3302  Logic and Proof in Mathematics or  3 hrs
- COT 3100C  Introduction to Discrete Structures  3 hrs

Select 1:

- MAP 4103  Mathematical Modeling I or  3 hrs
- MAP 4153  Vector and Tensor Analysis  3 hrs

5. Restricted Electives (18 hrs)

Select 6:

- COP 3402  Systems Software or  3 hrs
- COP 4331C  Processes for Object-Oriented Software Development or  4 hrs
- COP 4020  Programming Languages I or  3 hrs
- COP 4600  Operating Systems or  3 hrs
- COT 4210  Discrete Structures II or  3 hrs
- EEL 4768C  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.

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

- Mathematics - Applied Track
- Computer Science
- Electrical Engineering
- 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
- 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 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

Graduation
UCF Degree Programs

Junior Year - Spring 15 hrs
- Restricted Elective 3 hrs
- GEP 3 hrs
- COP 3502C Computer Science I 3 hrs
- MAA 4402 Introduction to Complex Variables 3 hrs
- MAP 4364 Applied Boundary Value Problems II 3 hrs

Senior Year - Fall 16 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- STA 4321 Statistical Theory I 3 hrs
- MAD 4203 Applied Combinatorics 3 hrs
- COP 3503C Computer Science II 4 hrs

Senior Year - Spring 15 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- ENC 3241 Writing for the Technical Professional 3 hrs
- COT 4500 Numerical Calculus 3 hrs
- GEP 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oaeas.ucf.edu/a/all/academic_learning_compacts.htm

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. J. Brennan, jpbrenna@mail.ucf.edu, 407-823-5700

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

A: Communication Foundations (9 hrs)
- Required MAC 2311 Calculus with Analytic Geometry I 4 hrs

B: Cultural & Historical Foundations (9 hrs)
- Required COP 3502C Computer Science I 3 hrs

C: Mathematical Foundations (7 hrs)
- Required MAC 2311 Calculus with Analytic Geometry I 4 hrs

D: Social Foundations (6 hrs)
- Required PHY 2048C Physics for Engineers & Scientists I 4 hrs

E: Science Foundations (7 hrs)
- Required PHY 2048C Physics for Engineers & Scientists I 4 hrs

Life & Earth Sciences. (3 hrs)
- Select one course listed in GEP E 2.

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.
- COP 3223 Introduction to Programming with C 3 hrs
- MAC 2311 Calculus with Analytic Geometry I 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 3 hrs
- MAC 2313 Calculus with Analytic Geometry III 3 hrs
- MAP 2302 Differential Equations 3 hrs
- PHY 2048C Physics for Engineers & Scientists I 3 hrs
- PHY 2049C Physics for Engineers and Scientists II 3 hrs

3. Core Requirements: Basic Level (3 hrs)
- COP 3502C Computer Science I 3 hrs
- MAP 2302 Differential Equations 3 hrs
- PHY 2048C Physics for Engineers & Scientists I 3 hrs
- PHY 2049C Physics for Engineers and Scientists II 3 hrs

Select one statistics course:
- STA 3032 Probability and Statistics for Engineers or 3 hrs
- STA 2023 Statistical Methods I 3 hrs

4. Core Requirements: Advanced Level (53 hrs)
- MAP 4103 Mathematical Modeling I or 3 hrs
- MAA 3380 Applied Combinatorics 3 hrs
- MAO 3363 Applied Boundary Value Problems I 3 hrs
- MAA 3364 Applied Boundary Value Problems II 3 hrs
- MAA 4226 Advanced Calculus I 4 hrs
- EGN 3321 Engineering Analysis-Dynamics 3 hrs

Select 1:
- MHF 3302 Logic and Proof in Mathematics or 3 hrs
- COT 3100C Introduction to Discrete Structures 3 hrs

Select 1:
- MAP 4103 Mathematical Modeling I or 3 hrs
- EML 3034C Modeling Methods in Mechanical and Aerospace Engineering or 3 hrs
- PHZ 3151 Computer Methods in Physics 3 hrs

Select 1:
- EGN 3420 Engineering Analysis or 3 hrs
- COT 4500 Numerical Calculus 3 hrs

Select 1:
- MAS 3106 Linear Algebra or 4 hrs
- MAD 4203 Applied Combinatorics 3 hrs

Select 1:
- EGN 3310 Engineering Analysis-Statics or 3 hrs
- PHY 3220 Mechanics I 3 hrs

Select 1:
- EGN 3373 Principles of Electrical Engineering or 3 hrs
- PHY 3312 Principles of Electrical Engineering or 3 hrs
- PHY 3314 Principles of Electrical Engineering or 3 hrs

Select 1:
- CHM 2046 Chemistry Fundamentals II or 3 hrs
- Or any MAA, MAD, MAP, MAS, or MTG course at 3000 level or above 3 hrs

Select 1:
- EGN 3358 Energy-Fluids-Heat Transfer or 3 hrs
- PHY 3513 Thermal and Statistical Physics or 3 hrs
- Or any MAA, MAD, MAP, MAS, or MTG course at 3000 level or above 3 hrs

Select 1:
- EML 3701 Fluid Mechanics I or 3 hrs
- CWR 3001 Engineering Fluid Mechanics or 3 hrs
- 1 PHY 3101 Physics for Engineers and Scientists III or 3 hrs
- ESI 4628C Industrial Engineering Applications of Computers or 3 hrs
- PHZ 3113 Introduction to Theoretical Methods of Physics or 3 hrs

Select 1:
- EGN 3331 Mechanics of Materials or 3 hrs
- CHM 2046 Chemistry Fundamentals II or 3 hrs
- ESI 4312 Operations Research or 3 hrs
- EGM 3601 Solid Mechanics or 3 hrs
- EML 4220 Vibration Analysis or 3 hrs
- EEL 4004 Electrical Networks or 3 hrs
- PHY 4604 Wave Mechanics I or 3 hrs

UNIVERSITY OF CENTRAL FLORIDA
Or any MAA, MAD, MAP, or MAS course at 3000 level or above 3 hrs  

Select 1: 3 hrs
CES 4100C Structural Analysis I and Lab or EGN 3331 Mechanics of Materials or EIN 3001 Introduction to Industrial Engineering and Management Systems or EAS 3101 Fundamentals of Aerodynamics or EGM 3601 Solid Mechanics or EEL 3004 Electrical Networks or or any PHY, AST, PHZ, MAA, MAD, MAP, or MAS course at 3000 level or above  

5. Restricted Electives (6 hrs)  
Select 2: 6 hrs
STA 4321 Statistical Theory I or STA 4322 Statistical Theory II or PHY 3323 Electricity and Magnetism I or PHY 4324 Electricity and Magnetism II or EGN 3365 Structure and Properties of Materials or EGN 3613 Engineering Economic Analysis or EEE 3342C Digital Systems or EEL 3801C Computer Organization or EEL 3857 Linear Control Systems or EML 4142 Heat Transfer or EML 4312C Feedback Control or EML 3262 Kinematics of Mechanisms or EAS 4200 Flight Structures or EAS 4400 Spacecraft Attitude Dynamics or EAS 4505 Orbital Mechanics or EAS 4105 Flight Mechanics or EML 4703 Fluid Mechanics II or EMA 4223 Fundamentals of Mechanical Behavior of Materials or CWR 4203C Hydraulics or CWR 4101C Hydrology or ENV 4561 Environmental Engineering Operations & Processes II or ESI 4234 Quality Engineering or ESI 4523C Systems Simulation or EIN 4333 Production and Distribution Systems or EEL 3470 Electromagnetic Fields or EEL 3352C Analog and Digital Communication or EEL 4750 Digital Signal Processing Fundamentals or EEL 4742C Embedded Systems or EEL 4832 Engineering Applications of Computer Methods or EEL 4851C Engineering Data Structures or Or any MAA, MAD, MAP, or MAS course at 3000 level or above 3 hrs  

6. Capstone Requirements
- None  

7. Foreign Language Requirements
- 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.  

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
- Mathematics - Applied Track  
- Computer Science  
- Civil Engineering  
- Electrical Engineering  
- Aerospace Engineering  
- Mechanical Engineering  
- Physics  
- 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 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**  
- 13 hrs  
  - 3 hrs  
  - GEP  
  - MAC 2311 Calculus with Analytic Geometry I 4 hrs  
  - STA 2023 Statistical Methods I 3 hrs  
  - GEP  

**Freshman Year - Spring**  
- 16 hrs  
  - 3 hrs  
  - GEP  
  - MAC 2311 Calculus with Analytic Geometry II 4 hrs  
  - STA 2023 Statistical Methods I 3 hrs  
  - GEP  

**Sophomore Year - Fall**  
- 14 hrs  
  - 3 hrs  
  - GEP  
  - MAC 2311 Calculus with Analytic Geometry II 4 hrs  
  - PHY 2048C Physics for Engineers & Scientists I 4 hrs  
  - GEP  

**Sophomore Year - Spring**  
- 16 hrs  
  - 3 hrs  
  - GEP  
  - MAC 2311 Calculus with Analytic Geometry III 4 hrs  
  - PHY 2048C Physics for Engineers & Scientists II 4 hrs  
  - Core Course  
  - 4 hrs  
  - Free Elective  
  - 3 hrs  

**Undergraduate Catalog 2011-2012**  

**UCF Degree Programs**
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. J. Brennan, jpbrenna@mail.ucf.edu
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

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

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)
- Prefer SPC 1608 Fundamentals of Oral Communication

B: Cultural & Historical Foundations (9 hrs)
- Required MAC 2311 Calculus with Analytic Geometry I

C: Mathematical Foundations (7 hrs)
- Required STA 2023 Statistical Methods I

D: Social Foundations (6 hrs)
- Select 1: 3 hrs
  - Required ECO 2013 Principles of Macroeconomics
  - Required ECO 2023 Principles of Microeconomics

Select 1: 3 hrs
- Suggested PSY 2012 General Psychology
- Suggested SYG 2000 Introduction to Sociology
- Suggested ANT 2000 General Anthropology

E: Science Foundations (7 hrs)
- Select a science course designed for majors: 4 hrs
  - Required BSC 2010C Biology I or
  - Required CHM 2045C Chemistry Fundamentals I or
  - Required PHY 2048C Physics for Engineers & Scientists I

2. Remaining Science Requirement 3 hrs
- Complete the section of the Science GEP not yet taken.

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
- Required BSC 2010C Biology I or
- Required CHM 2045C Chemistry Fundamentals I or
- Required PHY 2048C Physics for Engineers & Scientists I

3. Core Requirements: Basic Level (26 hrs)
- ECO 2013 Principles of Macroeconomics 3 hrs
- ECO 2023 Principles of Microeconomics GEP
- MHF 3302 Logic and Proof in Mathematics 3 hrs
- MAP 2302 Differential Equations CPP
- MAS 3105 Matrix and Linear Algebra 4 hrs
- STA 4321 Statistical Theory I 3 hrs
- ECO 3101 Intermediate Microeconomics 3 hrs
- ECO 3203 Intermediate Macroeconomics 3 hrs
- ECO 4451 Research Methods in Economics 3 hrs
- STA 2023 Statistical Methods I GEP

Remaining Science Sequence
- Complete the science sequence started in the Common Program Prerequisites.
  - PHY 2049C Physics for Engineers and Scientists II 4 hrs
  - or
  - CHM 2046 Chemistry Fundamentals II and
  - CHM 2046L Chemistry Fundamentals Laboratory 1 hr
  - or
  - BSC 2011C Biology II 4 hrs

4. Core Requirements: Advanced Level (17 hrs)
- MAP 4226 Advanced Calculus I 4 hrs
- MAS 3106 Linear Algebra 4 hrs
- MAP 4103 Mathematical Modeling I 3 hrs
- ECO 3410 Mathematical Economics 3 hrs
- ECO 4412 Econometrics 3 hrs
Plan of Study

- One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

**Freshman Year - Fall**
- ENC 1101 Composition I 3 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- STA 2023 Statistical Methods I 3 hrs
- GEP 3 hrs
- COP 3223 Introduction to Programming with C 3 hrs

**Freshman Year - Spring**
- ECO 2023 Principles of Microeconomics 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- MHF 3302 Logic and Proof in Mathematics 3 hrs
- ENC 1102 Composition II 3 hrs
- GEP 3 hrs

**Sophomore Year - Fall**
- ECO 2013 Principles of Macroeconomics 3 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- MAS 3105 Matrix and Linear Algebra 4 hrs
- GEP 4 hrs

**Sophomore Year - Spring**
- ECO 3101 Intermediate Microeconomics 3 hrs
- MAP 2302 Differential Equations 3 hrs
- MAS 3106 Linear Algebra 4 hrs
- GEP 3 hrs
- Core Course 4 hrs

**Junior Year - Fall**
- STA 3421 Statistical Theory I 3 hrs
- Free Elective 3 hrs
- GEP 3 hrs
- Restricted Elective 3 hrs

**Junior Year - Spring**
- ENC 4451 Research Methods in Economics 3 hrs
- ECO 3410 Mathematical Economics 3 hrs
- GEP 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

**Senior Year - Fall**
- MAP 4103 Mathematical Modeling I 3 hrs
- ECO 4412 Econometrics 3 hrs
- MAA 4226 Advanced Calculus I 4 hrs
- GEP 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

**Senior Year - Spring**
- ECO 4451 Research Methods in Economics 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs
- Free 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

Mathematics - Pure 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. J. Brennan, jbrenna@mail.ucf.edu, 407-823-5700

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
UCF Degree Programs

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 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: MAC 2311 Calculus with Analytic Geometry I 4 hrs
     Required: COP 3502 Computer Science I 3 hrs
   D: Social Foundations (6 hrs)
   E: Science Foundations (6 hrs)
     E.1. Physical Sciences Required: PHY 2048C Physics for Engineers & Scientists I 4 hrs
   E.2. Life & Earth Sciences: Select one of the following courses; 3 hrs
     - 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.
     - 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)
   - STA 2023 Statistical Methods I 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

4. Core Requirements: Advanced Level (42 hrs)
   - MGF 3302 Logic and Proof in Mathematics 3 hrs
   - MAS 3105 Matrix and Linear Algebra 4 hrs
   - MAS 3106 Linear Algebra 4 hrs
   - MAP 4363 Applied Boundary Value Problems I 3 hrs
   - STA 4321 Statistical Theory I 3 hrs
   - STA 4322 Statistical Theory II 3 hrs
   - MAS 4301 Abstract Algebra I 3 hrs
   - COP 3002 Computer Science I GEP
   - MAA 4226 Advanced Calculus I 4 hrs
   - MAA 4227 Advanced Calculus II 3 hrs
   - MAD 4203 Applied Combinatorics 3 hrs
   - MTG 4302 Introduction to Topology 3 hrs
   - MAA 4402 Introduction to Complex Variables 3 hrs

Select one of the following courses; 3 hrs
- ENC 3241 Writing for the Technical Professional or 3 hrs
- ENC 3310 Magazine Writing I or 3 hrs
- ENC 3311 Advanced Expository Writing 3 hrs

5. Restricted Electives (3 hrs)
   - Biological or physical sciences electives 3 hrs
     - Note: Students must satisfy course prerequisites before enrolling in these courses.

Select one of the following courses; 3 hrs
- PCB 3044 Principles of Ecology or 3 hrs
- PCB 3063 Genetics or 3 hrs
- PCB 4302C Physicochemical Limnology or 4 hrs
- PCB 4303C Biological Limnology or 4 hrs
- CHM 2046 Chemistry Fundamentals II or 3 hrs
- CHM 2210 Organic Chemistry I or 3 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
- None

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.
   - 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.

Honors in Major
- None

Related Programs
- Statistics
- Mathematics - Applied Track
- Mathematics - Mathematical Economics Track
- Computer Science
- Statistics
- Mathematics Education

Certificates
- None

Related Minors
- Computer Science
- Physics
- Statistics
- Economics
- Mathematics

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://mathplacement.sdes.ucf.edu/

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

Freshman Year - Fall
- GEP 3 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- STA 2023 Statistical Methods I 3 hrs

Freshman Year - Spring
- GEP 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- MTH 3302 Logic and Proof in Mathematics 3 hrs
- Free Elective 3 hrs

Sophomore Year - Fall
- GEP 3 hrs
- PHV 2048C Physics for Engineers & Scientists I 4 hrs
- MAS 3105 Matrix and Linear Algebra 4 hrs

Sophomore Year - Spring
- 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
- COP 3223 Introduction to Programming with C 3 hrs
- MAP 4301 Abstract Algebra I 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs

Junior Year - Spring
- MAA 4402 Introduction to Complex Variables 3 hrs
- Restricted Elective 4 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs
- COP 3504C Computer Science I 3 hrs

Senior Year - Fall
- 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
- GEP 3 hrs
- MAA 4227 Advanced Calculus II 3 hrs
- MTG 4302 Introduction to Topology 3 hrs
- STA 4322 Statistical Theory II 3 hrs
- Free Elective 4 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oecs.ucf.edu/aic/academic_learning_compacts.htm

Mathematics Education (B.S.)

College of Education
School of Teaching, Learning, and Leadership,
Education Building, Room: 209
http://education.ucf.edu/mathed
Dr. Janet Andreasen, ED 123Q, jandreas@mail.ucf.edu, 407-823-5430
Dr. Erhan Haciomeroglu, ED 115L, erhanh@mail.ucf.edu, 407-823-4338

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) (37 hrs)
- Students are advised to take the preferred courses.
- Students are advised to take the preferred courses.
- 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: 1877-Present 3 hrs
- Prefer AMH 2020 U.S. History: 1877-Present 3 hrs
- Prefer PHI 2010 Introduction to Philosophy 3 hrs

C: Mathematical Foundations (7 hrs)
- Required MAA 3114 Calculus with Analytic Geometry I 4 hrs
- Required STA 2023 Statistical Methods I 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 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.

Take all of the following: (9 hrs)
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- 1 EDF 2085 Introduction to Diversity for Educators and 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 (14 hrs)
- Students should consult advisor regarding course options.
- Students should consult advisor regarding course options.
- Students should consult advisor regarding course options.

1 EDF 2130 Child and Adolescent Development for Educators 3 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- STA 2023 Statistical Methods I 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
-
UCF Degree Programs

MAC 2313 Calculus with Analytic Geometry III 4 hrs
MAP 2302 Differential Equations 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 (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.

EDG 4410 Teaching Strategies and Classroom Management 3 hrs
EDF 4467 Learning Theory and Assessment 3 hrs
EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs
EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs

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/

MAE 3360 Mathematics Instructional Analysis 4 hrs
1 MAE 3940 Internship 3 hrs

1 3 hrs

Specialization Requirements 23 hrs
- A grade of "C-" (1.75) or better is required.
- A grade of "C-" (1.75) or better is required.

MAS 3105 Matrix and Linear Algebra 4 hrs
MAS 3203 Introduction to Number Theory 3 hrs
MHF 3302 Logic and Proof in Mathematics 3 hrs
MHF 4404 History of Mathematics 3 hrs
MTG 4212 Modern Geometries 4 hrs
STA 4163 Statistical Methods II 3 hrs
MAE 4634 Program in Teaching of Mathematics 3 hrs

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.
- 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 Practicess at the professional level in accordance with State Board of Education Rule 6A-5.066.

MAC 4941 Internship 12 hrs

5. Restricted Electives
- None

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- State University System foreign language admission requirement:
  - two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Achieve a minimum 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 Practicess.
- 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 13 hrs
ENC 1101 Composition I 3 hrs
MAC 2311 Calculus with Analytic Geometry I 4 hrs
PSC 1121 Physical Science 3 hrs
AMH 2010 U.S. History: 1492-1877 3 hrs

Freshman Year - Spring 16 hrs
ENC 1102 Composition II 3 hrs
MAC 2312 Calculus with Analytic Geometry II 4 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs
AMH 2020 U.S. History: 1877-Present 3 hrs

Select 1: 3 hrs
ANT 2511 The Human Species or 3 hrs
BSC 1005 Biological Principles 3 hrs

Freshman Year - Summer 10 hrs
MAC 2313 Calculus with Analytic Geometry III 4 hrs
PHI 2100 Introduction to Philosophy 3 hrs
PSY 2102 General Psychology 3 hrs

Sophomore Year - Fall 15 hrs
EDF 2005 Introduction to the Teaching Profession 3 hrs
MAP 2302 Differential Equations 3 hrs
MHF 3302 Logic and Proof in Mathematics 3 hrs
POS 2041 American National Government 3 hrs
STA 2023 Statistical Methods I 3 hrs
Sophomore Year - Spring 16 hrs
- EME 2040: Introduction to Technology for Educators 3 hrs
- EDF 2085: Introduction to Diversity for Educators 3 hrs
- MAS 3105: Matrix and Linear Algebra 4 hrs
- MAS 3203: Introduction to Number Theory 3 hrs
- EDF 2130: Child and Adolescent Development for Educators 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.

Junior Year - Fall 13 hrs
- EDF 4467: Learning Theory and Assessment 3 hrs
- EDG 4410: Teaching Strategies and Classroom Management 3 hrs
- EEX 4242: Teaching Exceptional Students in Secondary Settings 3 hrs
- MTG 4212: Modern Geometries 4 hrs

Junior Year - Spring 12 hrs
- RED 4043: Content Reading in Kindergarten through Grade 12 3 hrs
- MAE 4634: Programs in Teaching of Mathematics 3 hrs
- STA 4163: Statistical Methods II 3 hrs
- TSL 4080: Theory and Practice of Teaching ESOL Students in Schools 3 hrs

Senior Year - Fall 13 hrs
- MAE 3940: Internship 3 hrs
- EDF 4603: Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- MHF 4404: History of Mathematics 3 hrs
- MAE 4360: Mathematics Instructional Analysis 4 hrs

Senior Year - Spring 12 hrs
- MAE 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

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
Waheedah Iliasarie, willasar@mail.ucf.edu, 407-823-5448

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: Preference SP 1603: Fundamentals of Technical Presentations or 3 hrs
- Suggested: SP 1608: Fundamentals of Oral Communication 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 3032: Probability and Statistics for Engineers 3 hrs

D: Social Foundations (6 hrs)
- Select 1: 3 hrs
  - Prefer: ECO 2023: Principles of Microeconomics 3 hrs
  - Prefer: ECO 2033: Principles of Macroeconomics 3 hrs
  - Select one course from Social Foundations 3 hrs

E: Science Foundations (7 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.

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 (63 hrs)
- Required Courses: Advanced 42 hrs
  - EGN 3301: 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
  - STA 3032: Probability and Statistics for Engineers GEP 3 hrs
  - EML 3034C: Modeling Methods in Mechanical and Aerospace Engineering 3 hrs

  - EML 3303C: Mechanical Engineering Measurements 3 hrs
  - EML 4312C: Feedback Control 3 hrs
  - EML 3500: Machine Design and Analysis 3 hrs
  - EGM 3601: Solid Mechanics 3 hrs
  - EML 3701: Fluid Mechanics I 3 hrs
  - EML 4142: Heat Transfer 3 hrs
  - EML 4220: Vibration Analysis 3 hrs
  - EML 4535C: CAD/CAM 3 hrs

- Select one of the following three options for your senior year to complete your BSME:
### UCF Degree Programs

**Energy Systems Option**
- EML 3101: Thermodynamics of Mechanical Systems and 3 hrs
- EML 4304C: Design of Thermo-Fluid Experiment and 2 hrs
- EML 4073: Fluid Mechanics I and 3 hrs
- EML 4145: Topics in Heat Transfer and 2 hrs
- EML 4221C: Mechanical Systems Experimental Techniques and 2 hrs
  - Approved Electives: 9 hrs

**Materials Option**
- EMA 3124: Design and Selection of Materials and 3 hrs
- EMA 3125: Thermodynamics and Kinetics of Materials and 3 hrs
- EMA 4223: Fundamentals of Mechanical Behavior of Materials and 3 hrs
  - Approved Electives: 12 hrs

**Mechanical Systems Option**
- EML 304C: Design of Thermo-Fluid Experiment and 2 hrs
- EML 3062: Kinematics of Mechanics and 3 hrs
- EGM 3601L: Solid Mechanics Lab and 2 hrs
- EML 4221C: Mechanical Systems Experimental Techniques and 2 hrs
  - Approved Electives: 9 hrs

### 5. Restricted Electives

- 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](http://mmae.ucf.edu/Academics/Undergraduate/Approved%20Electives.pdf)

### 6. Capstone Requirements

- These courses are a capstone experience to your engineering program and should be completed in your last 2 major semesters of study.
  - **Select 1:**
    - EML 4501C: Engineering Design I or 3 hrs
    - EGN 4412C: Interdisciplinary Design I 3 hrs
  - **Select 1:**
    - EML 4502C: Engineering Design II or 3 hrs
    - EGN 4413C: Interdisciplinary Design II 3 hrs

### 7. Foreign Language Requirements

- Admissions
  - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
- Graduation
  - None
- Select 1: 1 hr
- Select 2: 1 hr

### 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)

### 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

- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Engineering Leadership

### Advising Notes

- Double Degree/Double Major requirements listed under the college section of the catalog.

### Career and Academic Advising

- The department requires all students in the program meet with a faculty member for advising on career and academic issues. These courses must be taken in sequence during the 3rd and 4th year.
  - EML 3990: Mechanical Career and Academic Faculty 0 hrs
  - EML 4991: Mechanical Career and Academic Faculty 0 hrs

### Transfer Notes

- EGN 1006C and EGN 1007C are required courses for incoming freshmen only. The two credit hours for these courses will be substituted by an approved Mechanical Engineering technical elective for transfer students.
- Courses 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

<table>
<thead>
<tr>
<th>Year</th>
<th>Course Sequence</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshman Year - Fall</td>
<td>EGN 1006C Introduction to the Engineering Profession 1 hr</td>
</tr>
<tr>
<td>ENC 1101 Composition I 3 hrs</td>
<td></td>
</tr>
<tr>
<td>MAC 2311 Calculus with Analytic Geometry I 4 hrs</td>
<td></td>
</tr>
<tr>
<td>GEP 3 hrs</td>
<td></td>
</tr>
<tr>
<td>Select 1: 4 hrs</td>
<td></td>
</tr>
<tr>
<td>CHS 1440 Fundamentals of Chemistry for Engineers or 4 hrs</td>
<td></td>
</tr>
<tr>
<td>CHM 2045C Chemistry Fundamentals I or 4 hrs</td>
<td></td>
</tr>
<tr>
<td>1 CHM 2040 Chemistry Fundamentals IA 3 hrs</td>
<td></td>
</tr>
<tr>
<td>Freshman Year - Spring</td>
<td>EGN 1007C Engineering Concepts and Methods 1 hr</td>
</tr>
<tr>
<td>ENC 1102 Composition II 3 hrs</td>
<td></td>
</tr>
<tr>
<td>MAC 2312 Calculus with Analytic Geometry II 4 hrs</td>
<td></td>
</tr>
<tr>
<td>PHY 2048C Physics for Engineers &amp; Scientists I 4 hrs</td>
<td></td>
</tr>
<tr>
<td>GEP 3 hrs</td>
<td></td>
</tr>
<tr>
<td>Freshman Year - Summer</td>
<td>MAC 2313 Calculus with Analytic Geometry III 4 hrs</td>
</tr>
<tr>
<td>GEP 3 hrs</td>
<td></td>
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<tr>
<td>GEP 3 hrs</td>
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</tr>
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</table>

### Sophomore Year - Fall

<table>
<thead>
<tr>
<th>Year</th>
<th>Course Sequence</th>
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<tbody>
<tr>
<td>MAP 2302 Differential Equations 3 hrs</td>
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</tr>
<tr>
<td>EGN 3310 Engineering Analysis-Statistics 3 hrs</td>
<td></td>
</tr>
<tr>
<td>STA 3032 Probability and Statistics for Engineers 3 hrs</td>
<td></td>
</tr>
<tr>
<td>PHY 2049C Physics for Engineers and Scientists II 4 hrs</td>
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</tr>
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</table>

### Sophomore Year - Spring

<table>
<thead>
<tr>
<th>Year</th>
<th>Course Sequence</th>
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</thead>
<tbody>
<tr>
<td>EGN 3321 Engineering Analysis-Dynamics 3 hrs</td>
<td></td>
</tr>
<tr>
<td>EGN 3343 Thermodynamics 3 hrs</td>
<td></td>
</tr>
<tr>
<td>EGM 3601 Solid Mechanics 3 hrs</td>
<td></td>
</tr>
<tr>
<td>EGM 3373 Principles of Electrical Engineering 3 hrs</td>
<td></td>
</tr>
</tbody>
</table>

### Sophomore Year - Summer

<table>
<thead>
<tr>
<th>Year</th>
<th>Course Sequence</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 3385 Structure and Properties of Materials 3 hrs</td>
<td></td>
</tr>
<tr>
<td>GEP 3 hrs</td>
<td></td>
</tr>
<tr>
<td>GEP 3 hrs</td>
<td></td>
</tr>
<tr>
<td>Semester</td>
<td>Hours</td>
</tr>
<tr>
<td>---------------------</td>
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</tr>
</tbody>
</table>
| **Junior Year - Fall** | 15 hrs | EML 3500 Machine Design and Analysis 3 hrs  
EML 3701 Fluid Mechanics I 3 hrs  
EML 3034C Modeling Methods in Mechanical and Aerospace Engineering 3 hrs  
EML 3303C Mechanical Engineering Measurements 3 hrs  
GEP 3 hrs  
EML 3990 Mechanical Career and Academic Faculty Advising I 0 hrs |
| **Senior Year - Fall** | 14 hrs | EML 3262 Kinematics of Mechanisms 3 hrs  
EML 4312C Feedback Control 3 hrs  
Upper Division Elective 3 hrs  
EML 4221C Mechanical Systems Experimental Techniques 2 hrs  
EML 4991 Mechanical Career and Academic Faculty Advising I 0 hrs |
| **Junior Year - Spring** | 12 hrs | EML 4220 Vibration Analysis 3 hrs  
EML 4142 Heat Transfer 3 hrs  
EML 4535C CAD/CAM 3 hrs  
Upper Division Elective 3 hrs |
| **Senior Year - Spring** | 13 hrs | EML 4304C Design of Thermo-Fluid Experiment 2 hrs  
EML 3601L Solid Mechanics Lab 2 hrs  
Upper Division Elective 3 hrs |
| **Select 1:** | 3 hrs | EML 4501C Engineering Design I or EGN 4412C Interdisciplinary Design I 3 hrs |
| **Energy Systems Option** |       | EML 4991 Mechanical Career and Academic Faculty Advising II 0 hrs |
| **Senior Year - Spring** | 14 hrs | EML 3101 Thermodynamics of Mechanical Systems 3 hrs  
EML 4703 Fluid Mechanics II 3 hrs  
EML 4312C Feedback Control 3 hrs  
EML 4221C Mechanical Systems Experimental Techniques 2 hrs  
Upper Division Elective 3 hrs  
EML 4991 Mechanical Career and Academic Faculty Advising II 0 hrs |
| **Select 1:** | 3 hrs | EML 4502C Engineering Design II or EGN 4413C Interdisciplinary Design II 3 hrs |
| **Materials Option** |       | EML 4991 Mechanical Career and Academic Faculty Advising II 0 hrs |
| **Senior Year - Fall** | 15 hrs | EMA 4102 Thermodynamics and Kinetics of Materials 3 hrs  
EMA 3124 Design and Selection of Materials 3 hrs  
EML 4312C Feedback Control 3 hrs  
EML 4991 Mechanical Career and Academic Faculty Advising II 0 hrs  
Upper Division Elective 3 hrs |
| **Select 1:** | 3 hrs | EML 4501C Engineering Design I or EGN 4412C Interdisciplinary Design I 3 hrs |
| **Senior Year - Spring** | 12 hrs | EMA 3012C Experimental Techniques in Mechanics and Materials 3 hrs  
EMA 4223 Fundamentals of Mechanical Behavior of Materials 3 hrs  
Upper Division Elective 3 hrs |
| **Select 1:** | 3 hrs | EML 4502C Engineering Design II or EGN 4413C Interdisciplinary Design II 3 hrs |

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oesas.ucf.edu/aic/academic_learning_compacts.htm](http://www.oesas.ucf.edu/aic/academic_learning_compacts.htm)
- **Equipment Fees**
  - Part-Time Student: $45 per term
  - Full-Time Student: $90 per term

### Medical Laboratory Sciences (B.S.)
**College of Medicine**
**Burnett School of Biomedical Sciences**
**Department of Molecular and Microbiology, Health and Public Affairs II, Room: 335**
[http://www.biomed.ucf.edu](http://www.biomed.ucf.edu)

Dr. P.E. Kolattukudy, Chair
Dorilyn Hitchcock, Program Director, hitchcod@mail.ucf.edu
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 taken at a Florida community college, and should usually be completed in the first 60 hours.
- A minimum overall GPA of 2.5 and a minimum grade of “C” (2.0) in prerequisite and major courses is required for admission to, continuation in, and graduation from the Medical Laboratory Sciences Program.
- UCF Residency Requirement: 32 hours.
- The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should usually be completed in the first 60 hours.
- An FDLE background check and Board of Clinical Lab Personnel trainees license are required.

1. **UCF General Education Program (GEP)**
   - Communication Foundations (9 hrs)
   - Cultural & Historical Foundations (9 hrs)
   - Mathematical Foundations (6 hrs)
   - Required: MAC 1105C College Algebra 3 hrs  
   - Required: STA 2023 Statistical Methods I 3 hrs
   - Social Foundations (6 hrs)
   - Science Foundations (8 hrs)
   - Required: BSC 2010C Biology I 4 hrs  
   - Required: CHM 2045C Chemistry Fundamentals I 4 hrs

2. **Equipment Fees**
   - Part-Time Student: $45 per term
   - Full-Time Student: $90 per term

[Undergraduate Catalog 2011-2012](http://www.oesas.ucf.edu/aic/academic_learning_compacts.htm)
UCF Degree Programs

2. Common Program Prerequisites (CPP) 
   (25 hrs)
   ■ See “Common Prerequisites” in the Transfer and Transitions
   Services section for more information.
   BSC 2010C Biology I GEP
   STA 2023 Statistical Methods I GEP
   1 ZOO Human Anatomy 4 hrs
   3733C
   1 MCB General Microbiology 5 hrs
   3020C
   1 PCB 3703C Human Physiology 4 hrs

   Take all of the following: 4 hrs
   CHM 2045C Chemistry Fundamentals I and 
   CHM 2046 Chemistry Fundamentals II and
   CHM 2048L Chemistry Fundamentals Laboratory 1 hr

   Take all of the following: 8 hrs
   CHM 2210 Organic Chemistry I and
   CHM 2211 Organic Chemistry II and
   CHM 2211L Organic Laboratory Techniques I 2 hrs

   1 See Transfer Notes

3. Core Requirements: Basic Level
   ■ None

4. Core Requirements: Advanced Level (64 hrs)
   ■ None
   ■ See Transfer Notes

5. Restricted Electives
   ■ None

6. Capstone Requirements
   ■ None

7. Foreign Language Requirements
   Admissions
   ■ Two years of one foreign language in high school, or one year of
   one foreign language in college (or equivalent proficiency exam) prior to
   graduation.

   Graduation
   ■ None

8. Electives
   ■ None

9. Additional Requirements
   ■ None

10. Required Minors
    ■ None

11. Departmental Exit Requirements
    ■ A minimum 2.5 overall GPA is required for clinical assignment.
    ■ The degree in Medical Laboratory Sciences will be awarded upon
      satisfactory completion of the University's didactic component and the
      clinical component in affiliated hospital laboratories.
    ■ Upon receiving the degree in Medical Laboratory Sciences, the
      graduate will be eligible to take a national certification examination and
      then qualify for State Licensure.
    ■ Students must earn a grade of "C" (2.0) or higher in required cours-
      es 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 resi-
     dency 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)
Select 1: 3 hrs
- EUH 2001 Western Civilization II or 3 hrs
- HUM 2230 Humanistic Tradition II or 3 hrs
- AMH 2020 U.S. History: 1877-Present 3 hrs

Junior Year - Fall 13 hrs
- MLS 3220C Techniques in Clinical Microscopy 3 hrs
- MLS 4625 Advanced Clinical Chemistry I 3 hrs
- MLS 4625L Advanced Clinical Chem I Lab 1 hr
- PCB 3233 Immunology 3 hrs
- PCB 3233L Immunology Laboratory 1 hr
- MLS 4430C Clinical Parasitology 2 hrs

Junior Year - Spring 16 hrs
- MLS 3305 Hematology 3 hrs
- MLS 3305L Hematology Lab 1 hr
- MLS 4630 Advanced Clinical Chemistry II 3 hrs
- MLS 4460C Clinical Pathogenic Microbiology 5 hrs

Junior Year - Summer 7 hrs
- MLS 4334 Hemostasis 3 hrs
- MLS 4550 Clinical Immunohematology 4 hrs

Senior Year - Fall 16 hrs
- MLS 4830C Interpretive & Practical Clinical Chemistry 4 hrs
- MLS 4831C Interpretive & Practical Immunohematology 4 hrs
- MLS 4832C Interpretive & Practical Hematology 4 hrs
- MLS 4833C Diagnostic Microbiology 4 hrs

Senior Year - Spring 13 hrs
- MLS 4910 Introduction to Clinical Research 1 hr
- MLS 4505C Immunodiagnostics 3 hrs
- MLS 4633 Medical Technology Seminar 2 hrs
- MLS 3705 Concepts in Education/Management 3 hrs
- BSC 3403C Quantitative Biological Methods 4 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oias.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $39 per term
- Full-Time Student: $78 per term

Modern Language Combination (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, 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.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Language combinations may consist of French, German or Spanish as a first language and any of those three as a second language, as well as Italian.
- 24 credits in the first language and 15 credits in the second must be taken at the 3000 level or above.
- At least 33 credit hours must be taken in Modern Language courses taught in the target language.
- Students must earn at least a “C” (2.0) in each upper division foreign language course.
- Co-op or internship credit cannot be used in this major.
- Departmental Residency Requirement consists of at least 21 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 credit by Examination in literature courses only.
- Students must see their departmental advisor for counseling and schedule approval before registering.
- 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 Required MGF 1106 Finite Mathematics 3 hrs

Select 1: 3 hrs
- Prefer CGS 1060C Introduction to Computer Science or
- 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)
   Completion of intermediate level of proficiency.
   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level (39 hrs)
First Language (French, German or Spanish) 24 hrs

Composition (Select One) 3 hrs
- 1 SPN 3420 Spanish Composition or
- 1 FRE 3420 French Composition or
- 1 FRE 4422 Advanced French Composition or
- 1 GER 3420 Intensive German Composition 3 hrs

Oral Communication (Select One) 3 hrs
- 1 SPN 3760 Advanced Spanish Oral Communication or
- 1 FRE 3760 Advanced French Oral Communication or
- 1 FRE 4421 Advanced French Conversation or
- 1 GER 3760 Advanced German Oral Communication 3 hrs

Linguistics (Select One) 3 hrs
- 1 SPN 3420 Spanish Composition or
- 1 FRE 3420 French Composition or
- 1 GER 3420 Intensive German Composition 3 hrs

Literature (select one sequence) 2 hrs
- SPW 3100 Survey of Spanish Literature I and
- SPW 3101 Survey of Spanish Literature II 3 hrs
- or
- SPW 3130 Survey of Latin-American Literature I and
- SPW 3131 Survey of Latin-American Literature II 3 hrs
- or
- FRW 3100 Survey of French Literature I and
- FRW 3101 Survey of French Literature II 3 hrs
- or
- GEW 3101 Survey of German Literature II and
- GEW 3100 Survey of German Literature I 3 hrs

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) 15 hrs

Communication (Select One) 3 hrs
- SPN 3420 Spanish Composition or
- FRE 3420 French Composition or
- GER 3420 Intensive German Composition or
- ITA 3420 Italian Composition 3 hrs

Advanced Oral Communication (select one) 3 hrs
- SPN 3760 Advanced Spanish Oral Communication or
- FRE 3760 Advanced French Oral Communication or
- GER 3760 Advanced German Oral Communication or
- ITA 3760 Advanced Italian Oral Communication 3 hrs
5. Restricted Electives

Restricted Electives in the First Language 9 hrs
- chosen with departmental advisor

Restricted Electives in the Second Language 9 hrs
- 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
- 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
- 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 - Spring 16 hrs
- ENC 1101 Composition I 3 hrs
- 1 GEP 3 hrs
- 1 GEP 3 hrs
- 1 GEP 3 hrs
- 1 CPP 4 hrs

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
- 1 GEP 3 hrs
- 1 GEP 3 hrs
- 1 GEP 3 hrs
- 1 GEP 3 hrs
- 1 CPP 3 hrs
- FRE 1120C Elementary French Language and Civilization I 4 hrs

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 - Spring 15 hrs
- 1 GEP 3 hrs
- 1 CPP 3 hrs
- 1 Restricted Elective 3 hrs
- 1 Restricted Elective 3 hrs
- FRE 1121C Elementary French Language and Civilization II 4 hrs

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.

Junior Year - Fall 15 hrs
- 1 Core Course 3 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

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.

Junior Year - Spring 15 hrs
- 1 Core Course 3 hrs
- 1 Core Course 3 hrs
- 2 Core Course 3 hrs
- 2 Restricted Elective 3 hrs
- 2 Restricted Elective 3 hrs

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.

Senior Year - Fall 15 hrs
- 1 Core Course 3 hrs
- 1 Core Course 3 hrs
- 1 Core Course 3 hrs
- 1 Core Course 3 hrs
- 1 Restricted Elective 3 hrs

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.

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

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.
Music (B.A.)
College of Arts and Humanities
Department of Music, Performing Arts Center, Room: M203
http://www.music.cah.ucf.edu
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 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.

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 3212 Music History and Literature II 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
     - 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) (28 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
   - MVK 1111 Class Piano I 1 hr
   - MVK 1112 Class Piano II 1 hr
   - MVK 2121 Class Piano III 1 hr
   - MVK 2122 Class Piano IV 1 hr
   - MUN XXXX Ensembles 4 hrs
   - MVX XXXX Performance 4 hrs

3. Core Requirements: Basic Level (6 hrs)
   - MUS 1010 Music Forum 0 hrs
   - MUL 2014 Introduction to Music History and Literature 3 hrs
   - MUS 2360C Introduction to Music Technology 3 hrs

4. Core Requirements: Advanced Level (3 hrs)
   - MUH 3211 Music History and Literature I 3 hrs
   - MUH 3212 Music History and Literature II GEP

5. Restricted Electives (33 hrs)
   - Restricted Electives-Music 15 hrs
     - Choose from any MUX XXXX or MUN XXXX (No more than 6 of these credits can be taken as MUN courses.)
     - Choose one MUT 3XXX or MUX 4XXX course 3 hrs
   - Restricted Electives-Non-Music 18 hrs
     - Select, with the approval of the Academic Advisor, primarily from upper-level courses that form a coherent progression within a single or two related departments. The completion of a minor is strongly encouraged.

6. Capstone Requirements
   - MUS 4900 Music BA Capstone Project 3 hrs

7. Foreign Language Requirements
   - Admissions
     - Two years of foreign language in high school or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.
   - Graduation
     - Proficiency equivalent to two semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
   - Select primarily from upper-level courses

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - Earn a grade of "C" (2.0) or better in each Music course

12. University Minimum Exit Requirements
    - None

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

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.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oes.ucf.edu/aic/academic_learning_compacts.htm

Degree Requirements
- Candidates must
  - satisfactorily complete the Academic Learning Compacts (student learning outcomes) for the major.
  - satisfactorily complete the Academic Learning Compacts (student learning outcomes) for the minor.
  - meet University Minimum Exit Requirements.
  - complete the Capstone Program.
  - meet the University Minimum Exit Requirements.
  - earn a grade of "C" (2.0) or better in each required course and upper-level courses that form a coherent progression within a single or two related departments.
  - earn a grade of "C" (2.0) or better in each required course and upper-level courses that form a coherent progression within a single or two related departments.

Advising Notes
- None

Transfer Notes
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

1 Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Restricted Electives
- None

Advising Notes
- None

Transfer Notes
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

1 Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Restricted Electives
- None

Advising Notes
- None

Transfer Notes
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

1 Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Restricted Electives
- None

Advising Notes
- None

Transfer Notes
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

1 Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Restricted Electives
- None

Advising Notes
- None

Transfer Notes
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

1 Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Restricted Electives
- None

Advising Notes
- None

Transfer Notes
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

1 Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Restricted Electives
- None

Advising Notes
- None

Transfer Notes
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

1 Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
UCF Degree Programs

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
- ENC 1101 Composition I 3 hrs
- MUP 1121 Music Theory and Musicianship I 4 hrs
- MVK 1111 Class Piano I 1 hr
- MUS 1010 Music Forum 0 hrs
- MUL 2014 Introduction to Music History and Literature 3 hrs
- MUN XXXX Ensemble 1 hr
- MVX 141X Performance I 2 hrs
- GEP E.1. Science Foundation 3 hrs

(1) (GEP A.1.)

Freshman Year - Spring 14 hrs
- ENC 1102 Composition II 3 hrs
- MUP 1122 Music Theory and Musicianship II 4 hrs
- MVK 1112 Class Piano II 1 hr
- MUS 1010 Music Forum 0 hrs
- MUS 2300C Introduction to Music Technology 3 hrs
- MUN XXXX Ensemble 1 hr
- MVX 141X Performance I 2 hrs

Sophomore Year - Fall 16 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- MUP 2126 Music Theory and Musicianship III 4 hrs
- MVK 2121 Class Piano III 1 hr
- STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUN XXXX Ensemble 1 hr
- XXX 1120 Foreign Language 4 hrs

(1) (GEP A.3.)

Sophomore Year - Spring 16 hrs
- MUP 2127 Music Theory and Musicianship IV 4 hrs
- MVK 2122 Class Piano IV 1 hr
- MUS 1010 Music Forum 0 hrs
- MVX 141X Performance I 2 hrs
- MUX 3/4XXX Non-Music Restricted Elective 3 hrs
- XXX 3/4XXX Non-Music Restricted Elective 3 hrs

Junior Year - Fall 15 hrs
- MUL 3211 Music History and Literature I 3 hrs
- GEP B.2. Cultural & Historical Foundation 3 hrs
- MUP 3/4XXX Music Restricted Elective 3 hrs
- MUX 3/4XXX Music Restricted Elective 3 hrs
- XXX 3/4XXX Non-Music Restricted Elective 3 hrs

Junior Year - Spring 15 hrs
- MUL 3212 Music History and Literature II 3 hrs
- Elective 3 hrs
- MUX 3/4XXX Music Restricted Elective 3 hrs
- MUX 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
- MUX 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
- MUL 4000 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.cah.ucf.edu
E-mail: musicaud@mail.ucf.edu
J. Rupert, jrupert@mail.ucf.edu, 407-823-5411
Kirk Gay, kgay@mail.ucf.edu, 407-823-5968

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/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
  - Class Piano III
  - Completion of MUT 2127, Music Theory and Musicianship IV
  - Completion of Class Piano IV
  - Completion of Jazz Theory I & II
  - Overall GPA of at least 2.5, and a GPA for all music courses of at least 3.0
- This review is a pre-requisite for Performance level III.

Degree Requirements
- Prior to attending the first class as a music major at UCF, all students must take a keyboard placement examination to determine the appropriate level of class piano. Go to http://music.ucf.edu/ to see the class piano requirements.
- Students who change degree programs and select this major must adopt the most current catalog.
- At least 65 hours of credit must be earned in music courses.
- Departmental Residency Requirement; at least 30 hours must be taken from the UCF Music department.
- Performance students must present two faculty-approved public recitals.
- Students should consult with a departmental advisor for course selection.
- Courses designated in 1 (General Education Program) are usually completed throughout four years of study.

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 II 3 hrs
- Required ENC 1102 Composition I and II 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Required MUL 2126 Evolution of Jazz 3 hrs
- Select one course from 1.B.1 list 3 hrs
- Select one course from 1.B.1 list or 1.B.2 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

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.
   - MUP 1121 Music Theory and Musicianship I 4 hrs
   - MUP 1122 Music Theory and Musicianship II 4 hrs
   - MUP 2126 Music Theory and Musicianship III 4 hrs
### 1. Core Requirements: Basic Level (6 hrs)
- MUT 2014 Introduction to Music History and Literature 3 hrs
- MUS 2360C Introduction to Music Technology 3 hrs
- \(^1\) MUS 1010 Music Forum 0 hrs
- MUL 2016 Evolution of Jazz GEP 1 hr

### 2. Core Requirements: Advanced Level (27 hrs)
- MUT 3170 Jazz Theory I 3 hrs
- MUT 3171 Jazz Theory II 3 hrs
- \(^1\) MUT 3923 Jazz Workshop 3 hrs
- MUS 4320 Music Business and Industry 3 hrs
- MUH 4814 Jazz Styles and Analysis 3 hrs
- MUS 4854 Recital Performance II 0 hrs

#### Select 1:
- MUH 3211 Music History and Literature I or 3 hrs
- MUH 3212 Music History and Literature II 3 hrs

#### Specialty Requirements (Choose one):
- **27 hrs**
- All courses are taken for two semesters each except restricted elective courses

- **Trumpet**
  - MV 1411 Trumpet I and 2 hrs
  - MV 2421 Trumpet II and 2 hrs
  - MV 3431 Trumpet III and 2 hrs
  - MV 4441 Trumpet IV and 4 hrs
  - Restricted Electives 5 hrs

- **Trombone**
  - MV 1413 Trombone I and 2 hrs
  - MV 2423 Trombone II and 2 hrs
  - MV 3433 Trombone III and 2 hrs
  - MV 4443 Trombone IV and 4 hrs
  - Restricted Electives 5 hrs

- **Saxophone**
  - MVW 1415 Saxophone I and 2 hrs
  - MVW 2425 Saxophone II and 2 hrs
  - MVW 3435 Saxophone III and 2 hrs
  - MVW 4445 Saxophone IV 4 hrs
  - Restricted Electives 5 hrs

- **Jazz Piano**
  - 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**
  - 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 Guitar**
  - MVJ 1213 Jazz Guitar I and 2 hrs
  - MVJ 2223 Jazz Guitar II and 2 hrs
  - MVJ 3233 Jazz Guitar III and 3 hrs
  - MVJ 4243 Jazz Guitar IV and 4 hrs
  - MVJ 1216 Secondary Guitar and 1 hr
  - Restricted Electives 3 hrs

- **Jazz Drum Set**
  - MVJ 1219 Jazz Drum Set I and 2 hrs
  - MVJ 2229 Jazz Drum Set II and 2 hrs
  - MVJ 3339 Jazz Drum Set III and 3 hrs
  - MVJ 4349 Jazz Drum Set IV and 4 hrs
  - MVJ 1211 Secondary Percussion and 1 hr
  - Restricted Electives 3 hrs

### 5. Restricted Electives
- Any secondary performance course not in area of major instrument
- Any MUC, MUE, MUG, MUH, MUL, MUN, MUS, MUT, MVX courses numbered 3000 or higher.

### 6. Capstone Requirements
- None

### 7. Foreign Language Requirements

#### Admissions
- Two years of foreign language in high school or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.

#### Graduation
- None

### 8. Electives
- Select primarily from upper level courses. May be outside of the department.

### 9. Additional Requirements
- None

### 10. Required Minors
- None

### 11. Departmental Exit Requirements
- Earn a grade of "C" (2.0) or better in each Music course
- Computer Competency met by the following course, or departmental examination:
  - MUS 2360C Introduction to Music Technology 3 hrs

### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required
- 120

### Honors In Major
- None

### Related Programs
- Music Education
- Music
- Theatre

### Certificates
- None

### Related Minors
- Music
- Theatre
- Digital Media

### Advising Notes
- None

### Transfer Notes
- 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

#### Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- MUT 1121 Music Theory and Musicianship I 4 hrs
- MUN 3713 Jazz Lab 1 hr
- MVK 1111 Class Piano I 1 hr
- MUS 1010 Music Forum 0 hrs

#### Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- MUT 1122 Music Theory and Musicianship II 4 hrs
<table>
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<th>Term</th>
<th>Hours</th>
<th>Courses</th>
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<td>MUS 1010: Music Forum 3 hrs</td>
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<tr>
<td></td>
<td>Spring</td>
<td>14</td>
<td>MUS 2010: Evolution of Jazz 3 hrs</td>
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<tr>
<td>Senior</td>
<td>Fall</td>
<td>16</td>
<td>MUS 3010: Music Forum 3 hrs</td>
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<td></td>
<td>Spring</td>
<td>13</td>
<td>MUS 4010: Introduction to Jazz 3 hrs</td>
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<td>Fall</td>
<td>17</td>
<td>MUS 5010: Jazz Lab 1 hr</td>
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<td></td>
<td>Spring</td>
<td>14</td>
<td>MUS 6010: Introduction to Jazz 3 hrs</td>
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<tr>
<td>Junior</td>
<td>Fall</td>
<td>16</td>
<td>MUS 7010: Music Forum 3 hrs</td>
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<tr>
<td></td>
<td>Spring</td>
<td>13</td>
<td>MUS 8010: Introduction to Jazz 3 hrs</td>
</tr>
<tr>
<td>Senior</td>
<td>Fall</td>
<td>16</td>
<td>MUS 9010: Music Forum 3 hrs</td>
</tr>
<tr>
<td></td>
<td>Spring</td>
<td>13</td>
<td>MUS 1010: Music Forum 3 hrs</td>
</tr>
</tbody>
</table>

### Program B: Jazz Piano, Guitar, Bass, Drum Set

<table>
<thead>
<tr>
<th>Year</th>
<th>Term</th>
<th>Hours</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshman</td>
<td>Fall</td>
<td>15</td>
<td>ENC 1101: Composition I 3 hrs</td>
</tr>
<tr>
<td></td>
<td>Spring</td>
<td>17</td>
<td>ENC 1102: Composition II 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

### Music - Music Composition Track (B.M.)

#### College of Arts and Humanities

Department of Music, Colbourn Hall, Room: 205

E-mail: musicaud@mail.ucf.edu

K. 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.
UCF Degree Programs

Professional Sequence Entrance Review
- Prospective composition students must audition for and be accepted for either the BA in Music, the BME degree or the Bachelor of Music in Performance or Jazz Studies for their first two years of study. Students will normally be considered for acceptance into the Bachelor of Music in Composition in the fourth semester of study at UCF. Students will be accepted based on the Professional Sequence Entrance Review. Students will be required to pass this evaluation before entering Level III Composition. This review will include:
  - Approval of composition portfolio
  - Completion of Composition I and II
  - Completion of Performance I and II
  - Completion of MUS 2360C

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

B: Cultural & Historical Foundations (9 hrs)
- Required MUH 3212 Music History and Literature II 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)
- Prefer MGF 1106 Finite Mathematics 3 hrs
- Prefer STA 1080C 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 1226 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 1122 Class Piano II 1 hr
MVK 2121 Class Piano III 1 hr
MVK 2122 Class Piano IV 1 hr

MUN XXXX Major Ensemble (four semesters) Piano students take MUN 3453; guitar students take MUN 3483 4 hrs

MUX 141X Performance I (two semesters) 4 hrs
MUX 242X Performance II (two semesters) 4 hrs

3. Core Requirements: Basic Level (20 hrs)

MUL 2014 Introduction to Music History and Literature 3 hrs
MUL 2360C Introduction to Music Technology 3 hrs
MUC 1101C Composition I 2 hrs
MUC 2104C Composition II 2 hrs

MUS 1010 Music Forum 0 hrs
MUG 3104 Basic Conducting 2 hrs
MUH 3211 Music History and Literature I 3 hrs
MUH 3212 Music History and Literature II 3 hrs

MUT 4511 Analysis of Twentieth-Century Music 3 hrs
MUN XXXX Major Ensembles (Piano students take MUN 3453; guitar students take MUN 3483) 2 hrs

4. Core Requirements: Advanced Level (23 hrs)

Professional Sequence Requirements:
- MUC 3105C Composition III 3 hrs
- MUC 4106C Composition IV 4 hrs
- MUT 4401 Counterpoint 3 hrs
- MUT 4311 Orchestration 3 hrs

MUC 4950 Composition Recital 0 hrs
One course selected from MUC/MUH/MUS/MUT, 3000 level or above

5. Restricted Electives (9 hrs)
- Any secondary performance course not in area of major instrument, or
- Any MUC, MUE, MUG, MUH, MUL, MUM, MUN, MUS, MUT, MVX courses numbered 3000 or higher.

Special Non-Course Requirements: Honors in Major

Admissions
- No
- 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 Education
- Music
- Theatre
Music - Music Performance Track (B.M.)

College of Arts and Humanities

Department of Music, Performing Arts Center, Room: M203

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/admissionsaudection.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 2360 C Introduction to Music Technology 3 hrs
- MUT 2127 Music Theory and Musicianship IV 4 hrs

Degree Requirements

Prior to attending the first music class as a music major at UCF, all students must take a keyboard placement examination to determine the appropriate level of class piano. Go to http://music.ucf.edu/students to learn more about 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)

A: Communication Foundations

Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

1. (GEP C.2.)

2. GEP

Take all of the following:

- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
**B: Cultural & Historical Foundations (9 hrs)**
- Required MUH 3212 Music History and Literature II 3 hrs
- Select one course from B.1 list 3 hrs
- Select one course from B.2 list 3 hrs

**C: Mathematical Foundations (6 hrs)**
1. Prefer MGF 1106 Finite Mathematics 3 hrs
2. Prefer STA 1000C Basic Statistics Using Microsoft Excel 3 hrs

1. (May substitute a higher level math)

**D: Social Foundations (6 hrs)**
- STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
- STA 1061C Research Methods 3 hrs

**E: Science Foundations (6 hrs)**
- Preferred MUN 3453 Piano Ensemble 2 hrs
- Preferred MUN 3454 Piano Ensemble 1 hr

**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
- MVK 1111 Class Piano I 1 hr
- MVK 1112 Class Piano II 1 hr
- MVK 2121 Class Piano III 1 hr
- MVK 2122 Class Piano IV 1 hr
- MUN XXXX Major Ensemble (four semesters) Piano students take MUN 3453; guitar students take MUN 3484 4 hrs
- MVX 141X Performance I (2 semesters) 4 hrs
- MVX 242X Performance II (2 semesters) 4 hrs

**3. Core Requirements: Basic Level (6 hrs)**
- MUL 2014 Introduction to Music History and Literature 3 hrs
- MUS 2360C Introduction to Music Technology 3 hrs
- MUS 1010 Music Forum 0 hrs

**4. Core Requirements: Advanced Level (24 hrs)**
- MUS 3953 Recital Performance I 0 hrs
- MUS 4954 Recital Performance II 0 hrs
- MUG 3104 Basic Conducting 2 hrs
- MUH 3211 Music History and Literature I 3 hrs
- MUH 3212 Music History and Literature II GEP 3 hrs
- MUX 345X Performance III (2 Semesters) 6 hrs
- MUX 443X Performance IV (2 Semesters) 8 hrs
- MUN XXXX Major Ensembles (Piano students take MUN 3453; guitar students take MUN 3484) 2 hrs
- MVX 444X Performance IV (2 Semesters) 8 hrs

**Choose one:**
- MUS 3XXX or MUX 4XXX course 3 hrs

**Specialty Requirements (Choose One):**

**Piano**
- MUL 3400 Piano Literature I and 2 hrs
- MUL 3401 Piano Literature II and 2 hrs
- MVK 4640 Piano Pedagogy I and 2 hrs
- MUN 3453 Piano Ensemble and 1 hr
- MUN XXXX Minor Ensembles 2 hrs

**Guitar**
- MUL 4437 String Literature and Pedagogy and 3 hrs
- MUN 3487 Guitar Ensemble and 1 hr
- MUN XXXX Minor Ensembles 2 hrs

**Voice**
- MUS 1250 IPA for Singers and 1 hr
- MUS 3255 German and English Lyric Diction and 2 hrs
- MUS 3254 Italian and French Lyric Diction and 2 hrs
- MVX 4640 Voice Pedagogy and 2 hrs
- MUL 3602 Song Literature and 3 hrs
- MUX 343X Performance III and 1 hr
- MUX 344X Performance IV and 2 hrs
- Foreign Language (French, German, or Italian) 8 hrs

**Woodwinds**
- MUL 4444 Woodwind Literature and Pedagogy and 3 hrs
- MUX 343X Performance III and 1 hr
- MUX 344X Performance IV and 2 hrs

**Brass**
- MUL 4443 Brass Literature and Pedagogy and 3 hrs
- MUX 343X Performance III and 1 hr
- MUX 344X Performance IV and 2 hrs

**Electives**
- MUN XXXX Minor Ensembles and 4 hrs
- Restricted Electives and 8 hrs
- Electives 5 hrs

**Percussion**
- MUL 3463 Percussion Literature and 2 hrs
- MVP 3630 Percussion Pedagogy and 2 hrs
- MUX 343X Performance III and 1 hr
- MUX 344X Performance IV and 2 hrs

**Strings**
- MUL 4437 String Literature and Pedagogy and 3 hrs
- MUX 343X Performance III and 1 hr
- MUX 344X Performance IV and 2 hrs

**5. Restricted Electives**
- Any MUC, MUE, MUG, MUH, MUL, MUM, MUN, MUO, MUS, MUT, MVX courses numbered 3000 or higher.
- Restricted Electives and 8 hrs
- Electives 5 hrs

**6. Capstone Requirements**
- None

**7. Foreign Language Requirements**
- Two years of foreign language in high school or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.

**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.

**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**
- 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
UCF Degree Programs

Related Programs
- Music Education
- Music
- Theatre - Musical Theatre Track

Certificates
- None

Related Minors
- Music
- Theatre
- 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
- None

Plan of Study
- Program A: Strings, Woodwinds, Brass
- Program B: Percussion

Freshman Year - Fall
14 hrs
- ENC 1101 Composition I 3 hrs
- MUT 1121 Music Theory and Musicanship I 4 hrs
- MVP 1111 Class Piano I 1 hr
- MUS 1010 Music Forum 0 hrs
- MUL 2014 Introduction to Music History and Literature 3 hrs
- MUN XXXX Major Ensemble 1 hr
- MVX 141X Performance I 2 hrs

Freshman Year - Spring
17 hrs
- ENC 1102 Composition II 3 hrs
- MUT 1122 Music Theory and Musicanship II 4 hrs
- MVK 1112 Class Piano II 1 hr
- MUS 1010 Music Forum 0 hrs
- MUS 2360C Introduction to Music Technology 3 hrs
- MUN XXXX Major Ensemble 1 hr
- MVX 141X Performance I 2 hrs
- Science Foundation 3 hrs

Sophomore Year - Fall
17 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- MUT 2126 Music Theory and Musicanship III 4 hrs
- MVK 2121 Class Piano III 1 hr
- MUS 1010 Music Forum 0 hrs
- MUG 3104 Basic Conducting 2 hrs
- STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
- MUN XXXX Major Ensemble 1 hr
- MUN XXXX Minor Ensemble 1 hr
- MVX 242X Performance II 2 hrs

Sophomore Year - Spring
15 hrs
- MUT 2127 Music Theory and Musicanship IV 4 hrs
- MVK 2122 Class Piano IV 1 hr
- MUS 1010 Music Forum 0 hrs
- MGF 1106 Finite Mathematics 3 hrs
- Cultural & Historical Foundation 3 hrs
- MUN XXXX Major Ensemble 1 hr
- MUN XXXX Minor Ensemble 1 hr
- MVX 242X Performance II 2 hrs
- Professional Sequence Entrance Interview

Junior Year - Fall
17 hrs
- MUH 3211 Music History and Literature I 3 hrs
- MUS 1010 Music Forum 0 hrs
- Cultural & Historical Foundation 3 hrs
- MVX 343X Performance III 3 hrs
- MUX 3/4XXX Restricted Electives 3 hrs
- MUN XXXX Major Ensemble 1 hr
- MUN XXXX Minor Ensemble 1 hr

Junior Year - Spring
14 hrs
- MUH 3212 Music History and Literature II 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUS 3953 Recital Performance I 0 hrs
- MUX 3/4XXX Restricted Electives 3 hrs
- MUL 44XX Literature and Pedagogy 3 hrs
- MVX 343X Performance III 3 hrs

Senior Year - Fall
14 hrs
- MUS 1010 Music Forum 0 hrs
- Free Elective 2 hrs
- Social Foundation 3 hrs
- MVX 444X Performance IV 4 hrs
- Science Foundation 3 hrs
- MUN XXXX Major Ensemble 1 hr
- MUN 3XXX Restricted Elective 1 hr

Senior Year - Spring
12 hrs
- MUS 1010 Music Forum 0 hrs
- MUS 4954 Recital Performance II 0 hrs
- Free Elective 2 hrs
- Social Foundation 3 hrs
- MVX 444X Performance IV 4 hrs
- MUN XXXX Major Ensemble 1 hr
- MUN 3XXX Restricted Elective 1 hr

Program B: Percussion

Freshman Year - Fall
14 hrs
- ENC 1101 Composition I 3 hrs
- MUT 1121 Music Theory and Musicanship I 4 hrs
- MVK 1111 Class Piano I 1 hr
- MUS 1010 Music Forum 0 hrs
- MUL 2014 Introduction to Music History and Literature 3 hrs
- MVP 1411 Percussion I 2 hrs
- MUN XXXX Major Ensemble 1 hr

Freshman Year - Spring
17 hrs
- ENC 1102 Composition II 3 hrs
- MUT 1122 Music Theory and Musicanship II 4 hrs
- MVK 1112 Class Piano II 1 hr
- MUS 1010 Music Forum 0 hrs
- MUS 2360C Introduction to Music Technology 3 hrs
- MVP 1411 Percussion I 2 hrs
- MUN XXXX Major Ensemble 1 hr
- Science Foundation 3 hrs

Sophomore Year - Fall
17 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- MUT 2126 Music Theory and Musicanship III 4 hrs
- MUN 3443 Percussion Ensemble 1 hr
- MVP 2421 Percussion II 2 hrs
- MUS 2122 Music Forum 0 hrs
- MUG 3104 Basic Conducting 2 hrs
- STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
- MVK 2121 Class Piano III 1 hr
- MUN XXXX Major Ensemble 1 hr

Sophomore Year - Spring
15 hrs
- MUT 2127 Music Theory and Musicanship IV 4 hrs
- MUN 3443 Percussion Ensemble 1 hr
- MVP 2421 Percussion II 2 hrs
- MVK 2122 Class Piano IV 1 hr
- MUS 1010 Music Forum 0 hrs
- MG 1106 Finite Mathematics 3 hrs
- Cultural & Historical Foundation 3 hrs
- MUN XXXX Major Ensemble 1 hr
- Professional Sequence Entrance Review

Junior Year - Fall
17 hrs
- MUH 3211 Music History and Literature I 3 hrs
- MVP 3431 Percussion III 2 hrs
- MUS 1010 Music Forum 0 hrs
- MUN 3443 Percussion Ensemble 1 hr
- MUT 4571 Analysis of Twentieth-Century Music 3 hrs
- Cultural & Historical Foundation 3 hrs
- MUX 3/4XXX Restricted Elective 3 hrs
- MUN XXXX Major Ensemble 1 hr

Junior Year - Spring
13 hrs
- MUH 3212 Music History and Literature II 3 hrs
- MUL 3463 Percussion Literature 2 hrs
- MVP 3431 Percussion III 2 hrs
- MUS 1010 Music Forum 0 hrs
- MUN 3443 Percussion Ensemble 1 hr
- MUS 3953 Recital Performance I 0 hrs
- MUX 3/4XXX Restricted Electives 3 hrs
- MUN XXXX Major Ensemble 1 hr
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<tr>
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**Program D: Guitar**

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<tr>
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<td>MUN 3435 Piano Ensemble</td>
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<td>MKV 1111 Class Piano I</td>
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<td>MUS 1010 Music Forum</td>
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<tr>
<td>MUL 2014 Introduction to Music History and Literature</td>
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<td>MVK 1411 Piano I</td>
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<tr>
<td><strong>Freshman Year - Spring</strong></td>
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<tr>
<td>ENC 1102 Composition II</td>
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<tr>
<td>MUN 3435 Piano Ensemble</td>
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<tr>
<td>MKV 1112 Class Piano II</td>
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<tr>
<td>MUS 1010 Music Forum</td>
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<tr>
<td>MUS 2300C Introduction to Music Technology</td>
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<tr>
<td>SPC 1608 Fundamentals of Oral Communication</td>
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<tr>
<td>MKV 2121 Class Piano III</td>
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<td>STA 1060C Basic Statistics Using Microsoft Excel</td>
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<tr>
<td>MUT 2127 Music Theory and Musicianship IV</td>
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<td>MUN 3435 Piano Ensemble</td>
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<tr>
<td>MKV 2122 Class Piano IV</td>
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<td>MUS 1010 Music Forum</td>
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<td>MGF 1106 Finite Mathematics</td>
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<td>Professional Sequence Entrance Review</td>
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<tr>
<td><strong>Junior Year - Fall</strong></td>
<td>15 hrs</td>
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<tr>
<td>MUS 3211 Music History and Literature I</td>
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<td>MUL 3400 Piano Literature I</td>
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<td>MUS 1010 Music Forum</td>
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<td>MUT 4571 Analysis of Twentieth-Century Music</td>
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<tr>
<td>MUS 3212 Music History and Literature II</td>
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<td>MUN 3435 Piano Ensemble</td>
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<tr>
<td>MVK 4640 Piano Pedagogy I</td>
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<td>MVK 4441 Piano IV</td>
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<td>Social Foundation</td>
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<td>Science Foundation</td>
<td>3 hrs</td>
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<tr>
<td>Free Elective</td>
<td>2 hrs</td>
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<tr>
<td><strong>Senior Year - Spring</strong></td>
<td>14 hrs</td>
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<tr>
<td>MUS 1010 Music Forum</td>
<td>0 hrs</td>
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<tr>
<td>MUS 4954 Recital Performance II</td>
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<tr>
<td>MUN 3487 Guitar Ensemble</td>
<td>1 hr</td>
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<td>MVK 4441 Piano IV</td>
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<td>MUX 34XXX Restricted Electives</td>
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**Program E: Music Production**

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<tr>
<td>ENC 1101 Composition I</td>
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<tr>
<td>MUT 1121 Music Theory and Musicianship I</td>
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<td>MUN 3487 Guitar Ensemble</td>
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<td>MVS 1416 Guitar II</td>
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<tr>
<td>MVK 1112 Class Piano II</td>
<td>1 hr</td>
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<tr>
<td>MUS 1010 Music Forum</td>
<td>0 hrs</td>
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<tr>
<td>MUS 2300C Introduction to Music Technology</td>
<td>3 hrs</td>
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<tr>
<td>MVK 1411 Piano I</td>
<td>2 hrs</td>
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<td>ENC 1102 Composition II</td>
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<td>MVS 2426 Guitar II</td>
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<tr>
<td>MUS 3211 Music History and Literature I</td>
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<td>MVS 4571 Analysis of Twentieth-Century Music</td>
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<tr>
<td>MUS 3212 Music History and Literature II</td>
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<td>MUS 4437 String Literature and Pedagogy</td>
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<td>MUS 3953 Recital Performance I</td>
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Program E: Voice

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- MUT 1122 Music Theory and musicianship I 4 hrs
- MUS 1290 IPA for Singers 1 hr
- MVK 1111 Class Piano I 1 hr
- MUS 1010 Music Forum 0 hrs
- MUL 2014 Introduction to Music History and Literature 3 hrs
- MVV 1411 Voice I 2 hrs
- MNU XXXX Major Ensemble 1 hr

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- MUT 1122 Music Theory and musicianship II 4 hrs
- MUS 3255 German and English Lyric Diction 2 hrs
- MVK 1112 Class Piano II 1 hr
- MUS 1010 Music Forum 0 hrs
- MUS 2390C Introduction to Music Technology 3 hrs
- MVV 1411 Voice I 2 hrs
- MNU XXXX Major Ensemble 1 hr

Sophomore Year - Fall
- MGF 1106 Finite Mathematics 3 hrs
- MUT 2126 Music Theory and musichship III 4 hrs
- MUS 3254 Italian and French Lyric Diction 2 hrs
- MVK 2121 Class Piano III 1 hr
- MUS 1010 Music Forum 0 hrs
- MUG 3104 Basic Conducting 2 hrs
- MVV 2421 Voice II 2 hrs
- MNU XXXX Major Ensemble 1 hr

Sophomore Year - Spring
- MUT 2127 Music Theory and musicianship IV 4 hrs
- SPC 1606 Fundamentals of Oral Communication 3 hrs
- MVK 2122 Class Piano IV 1 hr
- MUS 1010 Music Forum 0 hrs
- STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
- MVV 2421 Voice II 2 hrs
- Cultural & Historical Foundation 3 hrs
- MNU XXXX Major Ensemble 1 hr
- MNU XXXX Minor Ensemble 1 hr

Junior Year - Fall
- MUH 3211 Music History and Literature I 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUT 4571 Analysis of Twentieth-Century Music 3 hrs
- MVV 3431 Voice III 2 hrs
- XXX 1120 Foreign Language 4 hrs
- MNU XXXX Major Ensemble 1 hr
- MNU XXXX Minor Ensemble 1 hr

Junior Year - Spring
- MUH 3212 Music History and Literature II 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUS 3953 Recital Performance I 0 hrs
- MVV 3431 Voice III 2 hrs
- Cultural & Historical Foundation 3 hrs
- XXX 2121 Foreign Language 4 hrs
- MNU XXXX Major Ensemble 1 hr
- MNU XXXX Minor Ensemble 1 hr

Senior Year - Fall
- MVV 4640 Voice Pedagogy 2 hrs
- MUS 1010 Music Forum 0 hrs
- MVV 4441 Voice IV 4 hrs
- Social Foundation 3 hrs
- Science Foundation 3 hrs
- MNU XXXX Major Ensemble 1 hr

Senior Year - Spring
- MUL 3602 Song Literature 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUS 4954 Recital Performance II 0 hrs
- MVV 4441 Voice IV 4 hrs
- Social Foundation 3 hrs
- Science Foundation 3 hrs
- MNU XXXX Major Ensemble 1 hr

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes)
  for undergraduate programs are located at:
  http://www.oes.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Music Education (B.M.E.)
College of Arts and Humanities
Department of Music, Colbourn Hall, Room: 205A
http://www.music.cah.ucf.edu
E-mail: musicaud@mail.ucf.edu
A. Holcomb, aholcomb@mail.ucf.edu, 407-823-4180

Admission Requirements

Admission Requirements - Music Education
- Audition. To be accepted into 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 205, 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 2126, 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-5.5.066, 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)
   - Prefer SPC 1608: Fundamentals of Oral Communication

Take all of the following: 6 hrs
   - Required ENC 1101: Composition I
   - Required ENC 1102: Composition II

B: Cultural & Historical Foundations (9 hrs)
   - Required MUH 3212: Music History and Literature II
   - Required MUH 3201: U.S. History: 1877-1877
   - Prefer AMH 2020: U.S. History: 1877-Present

C: Mathematical Foundations (6 hrs)
   - 1 MGF 1106: Finite Mathematics
   - Prefer STA 100C: Basic Statistics Using Microsoft Excel

D: Social Foundations (6 hrs)
   - Prefer POS 2041: American National Government
   - Prefer PSY 2012: General Psychology

E: Science Foundations (6 hrs)
   - Prefer PSC 1121: Physical Science

2. Common Program Prerequisites (CPP) (38 hrs)
   - See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

EDF 2005: Introduction to the Teaching Profession 3 hrs
EME 2040: Introduction to Technology for Educators 3 hrs
EDF 2058: Diversity for Educators 3 hrs
MUT 1121: Music Theory and Musicianship I 4 hrs
MUT 1122: Music Theory and Musicianship II 4 hrs
MUT 2126: Music Theory and Musicianship III 4 hrs
MUT 2127: Music Theory and Musicianship IV 4 hrs
MVK 2122: Class Piano IV 1 hr
1 MUS 1010: Music Forum 0 hrs
MUN XXXX: Major Ensembles (4 semesters) 4 hrs
MVX 141X: Performance I (2 semesters) 4 hrs
MVX 242X: Performance II (2 semesters) 4 hrs

4 semesters

3. Core Requirements: Basic Level (5 hrs)
   - 1 MUS 1010: Music Forum CPP
   - MUT 1121: Music Theory and Musicianship I CPP
   - MUT 2126: Music Theory and Musicianship III CPP
   - MUT 2127: Music Theory and Musicianship IV CPP
   - MVK 2122: Class Piano IV CPP
   - MUN XXXX: Major Ensembles (4 semesters) CPP
   - MVX 141X: Performance I (2 semesters) CPP
   - MVX 242X: Performance II (2 semesters) CPP

1 4 semesters

Music Education Prerequisites - Basic 5 hrs
   - MUL 2014: Introduction to Music History and Literature 3 hrs
   - MUN XXXX: Major Ensembles (2 semesters) 2 hrs

4. Core Requirements: Advanced Level (20 hrs)
   - MUG 3104: Basic Conducting 2 hrs
   - MUH 3211: Music History and Literature I 3 hrs
   - MUH 3212: Music History and Literature II 3 hrs
   - ESE 3940: Internship I - Secondary 3 hrs
   - MUE 4311: Elementary School Music Methods 2 hrs
   - MUE 3333: Music Learning Theory and Assessment 3 hrs
   - MVX 343X: Performance III (2 Semesters) 4 hrs

5. Restricted Electives (26 hrs)
   - Music Education Specialty Area Courses and Professional Program Courses
   - Complete one program

Program A - Instrumental
   - MUE 2346: Vocal Techniques 1 hr
   - MUG 3302: Instrumental Conducting and Materials 1 hr
   - MUE 4332: Secondary Instrumental Methods I 3 hrs
   - ESE 4943: Internship II - Secondary 7 hrs
   - MUE 4394: Seminar in Music Teaching 1 hr

Select 1: 3 hrs
   - MUE 4335: Secondary Choral Methods II or
   - MUE 4441: String Methods

Select 2: 5 hrs
   - MUE 2450: Woodwind Techniques I or
   - MUE 3451: Woodwind Techniques II or
   - MUE 2460: Brass Techniques or
   - MUE 3461: Brass Techniques II or
   - MUE 2470: Percussion Techniques or
   - MUE 2471: Percussion Techniques II or
   - MUE 3461: Brass Techniques II

Program B - Choral
   - MUS 1250: IPA for Singers 1 hr
   - MUG 3202: Choral Conducting and Materials 1 hr
   - MVV 6640: Voice Pedagogy 2 hrs
   - MUE 4331: Secondary Choral Methods I 3 hrs
   - MUE 4337: Secondary Instrumental Methods II 3 hrs
   - MUE 4394: Seminar in Music Teaching 1 hr
   - ESE 4943: Internship II - Secondary 7 hrs
   - MUE 4943: Music Internship 12 hrs
   - MUE 4335: Secondary Choral Methods II 3 hrs

Select 2: 3 hrs
   - MUE 2450: Woodwind Techniques I or
   - MUE 3451: Woodwind Techniques II or
   - MUE 2460: Brass Techniques or
   - MUE 3461: Brass Techniques II or
   - MUE 2470: Percussion Techniques or
   - MUE 2471: Percussion Techniques II or
   - MUE 2440: String Techniques

Program C - Elementary School
   - MUE 2346: Vocal Techniques 1 hr
   - MUE 4393: Music and Students with Special Needs 2 hrs
   - MUE 3353: General Music Literature and Techniques 2 hrs
   - MUE 4331: Secondary Choral Methods I 3 hrs
   - MUE 4394: Seminar in Music Teaching 1 hr
   - ESE 4943: Internship II - Secondary 7 hrs

Select 4: 4 hrs
   - MUE 2450: Woodwind Techniques I or
   - MUE 3451: Woodwind Techniques II or
   - MUE 2460: Brass Techniques or
   - MUE 3461: Brass Techniques II or
   - MUE 2470: Percussion Techniques or
   - MUE 2471: Percussion Techniques II or
   - MUE 2440: String Techniques
   - MUG 3X02: Choral or Instrumental Conducting and Materials 2 hrs

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   - None

Admissions
   - Two years of foreign language in high school or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.
UCF Degree Programs

Graduation
- None

8. Electives
- None

9. Additional Requirements
Admission to Internship I will be granted to students who meet the following requirements:
- Have on file passing scores on all 4 parts of the Florida Teacher Certification General Knowledge Test (no alternatives or waivers will be accepted).
- Possess minimum overall GPA of 2.5
- Possess minimum specialization GPA of 2.5
- Achieve a "C" or better in all prerequisite methods/specialization courses
- Complete a formal application for Internship I online (Deadlines: February 15 for fall semester and September 15 for spring semester).
- Current enrollment in or completion of Performance III (first semester).
- Completion of Music Education prerequisites and Education Core Requirements.
- Completion of 30 semester hours of General Education and Common Program courses.
- Completion of all Specialty Area courses except Secondary Methods II (MUE 433X), 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 Teacher 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
- 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
- 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
- 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
- Attendance at all Music Education Forums (except during Internship I and II) is expected

Public School Partnerships
- Students are expected to be in K-12 schools each semester. Prior to internship experiences, students are expected to observe, assist, and teach in variety of grade levels and settings (e.g., urban, suburban, general, choral, instrumental). Students are expected to maintain a record of and reflections on all field experiences as this will be required for the Music Education Proficiency Examination.

10. Required Minors
- None

11. Departmental Exit Requirements
- Have on file passing scores for the General Knowledge, Professional Education, and Subject Area subtests of the Florida Teacher Certification Examination. (See for specific test information)
- A minimum GPA of 2.5 is required in all courses within the major.
- A grade of “C” (2.0) or better in each performance and music education course.
- Departmental Residency Requirement: at least 25 hours must be taken from the UCF Music Department. In addition, music education students must complete their last two semesters of required performance, recital, and Internship II while attending UCF.
- Computer competency is met through the following:
  - MUE 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 audition and interview in order to be accepted into the music education program (See Admissions Requirements above).
- 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.
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<th>Spring</th>
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</tr>
<tr>
<td>Sophomore Year - Fall</td>
<td>MUS 1010 Music Forum</td>
<td>0 hrs</td>
</tr>
<tr>
<td></td>
<td>MUS 1010 Music Forum</td>
<td>0 hrs</td>
</tr>
<tr>
<td></td>
<td>GEP</td>
<td>6 hrs</td>
</tr>
<tr>
<td></td>
<td>MVX 141X Performance I</td>
<td>2 hrs</td>
</tr>
<tr>
<td></td>
<td>MUN XXXX Ensemble</td>
<td>1 hr</td>
</tr>
<tr>
<td></td>
<td>CMENC/Schools</td>
<td></td>
</tr>
<tr>
<td>Sophomore Year - Spring</td>
<td>Apply for Professional Program</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MUS 1010 Music Forum</td>
<td>0 hrs</td>
</tr>
<tr>
<td></td>
<td>EDF 2085 Introduction to Diversity for Educators</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>MUT 2127 Music Theory and Musicianship IV</td>
<td>4 hrs</td>
</tr>
<tr>
<td></td>
<td>MVK 2121 Class Piano III</td>
<td>1 hr</td>
</tr>
<tr>
<td></td>
<td>MUH 3211 Music History and Literature I</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>MUS 1010 Music Forum</td>
<td>0 hrs</td>
</tr>
<tr>
<td></td>
<td>GEP</td>
<td>6 hrs</td>
</tr>
<tr>
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<td></td>
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<td></td>
</tr>
<tr>
<td>Sophomore Year - Spring</td>
<td>Apply for Professional Program</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MUS 1010 Music Forum</td>
<td>0 hrs</td>
</tr>
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<td></td>
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</tr>
<tr>
<td></td>
<td>MUN XXXX Ensemble</td>
<td>1 hr</td>
</tr>
<tr>
<td></td>
<td>CMENC/Schools</td>
<td></td>
</tr>
<tr>
<td>Senior Year - Fall</td>
<td>14 hrs</td>
<td>17 hrs</td>
</tr>
<tr>
<td>Senior Year - Fall</td>
<td>Take PET and Music Examination of FTCE</td>
<td></td>
</tr>
<tr>
<td></td>
<td>ESE 3940 Internship I - Secondary</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>MUE 3333 Music Learning Theory and Assessment</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>TSL 4080 Theory and Practice of Teaching ESOL</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>MUE 4311 Elementary School Music Methods</td>
<td>2 hrs</td>
</tr>
<tr>
<td></td>
<td>GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Senior Year - Summer</td>
<td>9 hrs</td>
<td>15 hrs</td>
</tr>
<tr>
<td>Senior Year - Summer</td>
<td>GEP</td>
<td>3 hrs</td>
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<tr>
<td></td>
<td>GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>GEP</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
## UCF Degree Programs

### Junior Year - Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 1010</td>
<td>Music Forum</td>
<td>0 hrs</td>
</tr>
<tr>
<td>MUG 3104</td>
<td>Basic Conducting</td>
<td>2 hrs</td>
</tr>
<tr>
<td>MUE 4331</td>
<td>Secondary Choral Methods I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDG 4323</td>
<td>Professional Teaching Practices</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDF 4603</td>
<td>Analysis and Application of Ethical, Legal, and Safety Issues in Schools</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUG 343X</td>
<td>Performance III</td>
<td>2 hrs</td>
</tr>
<tr>
<td>MUN XXXX</td>
<td>Ensemble</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

### Junior Year - Spring

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 1010</td>
<td>Music Forum</td>
<td>0 hrs</td>
</tr>
<tr>
<td>MUG 3202</td>
<td>Choral Conducting and Materials</td>
<td>1 hr</td>
</tr>
<tr>
<td>MUE 4337</td>
<td>Secondary Instrumental Methods II</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>EME 2040</td>
<td>Introduction to Technology for Educators</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUS 3935</td>
<td>Recital Performance</td>
<td>0 hrs</td>
</tr>
<tr>
<td>MUE 4337</td>
<td>Secondary Choral Methods II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUS 390C</td>
<td>Introduction to Music Technology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUE XXXX</td>
<td>Techniques</td>
<td>1 hr</td>
</tr>
<tr>
<td>MVX 343X</td>
<td>Performance III</td>
<td>2 hrs</td>
</tr>
<tr>
<td>MUN XXXX</td>
<td>Ensemble</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

### Senior Year - Fall

- **Senior Year - Fall**  
  - Take PET and Music Examination of FTCE  
  - ESE 3940 Internship I - Secondary  
  - MUE 3933 Music Learning Theory and Assessment  
  - MUE 4311 Elementary School Music Methods  
  - TSL 4080 Theory and Practice of Teaching ESOL Students in Schools  
  - GEP 3 hrs  
  - CMENC

### Senior Year - Spring

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 1010</td>
<td>Music Forum</td>
<td>0 hrs</td>
</tr>
<tr>
<td>MUT 2127</td>
<td>Music Theory and Musicianship IV</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MUK 2122</td>
<td>Class Piano IV</td>
<td>1 hr</td>
</tr>
<tr>
<td>MUE 3393</td>
<td>Music and Students with Special Needs</td>
<td>2 hrs</td>
</tr>
<tr>
<td>MVX 343X</td>
<td>Performance III</td>
<td>2 hrs</td>
</tr>
<tr>
<td>MUN XXXX</td>
<td>Ensemble</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

### Senior Year - Summer

- **Senior Year - Summer**  
  - Remaining 3 GEP courses taken as part of 9 required summer hours

### Program C - Elementary Program

#### Freshman Year - Fall

- **Freshman Year - Fall**  
  - Take General Knowledge Test  
  - MUL 2014 Introduction to Music History and Literature | 3 hrs |
  - MUT 1122 Music Theory and Musicianship II | 4 hrs |
  - MUS 1010 Music Forum | 0 hrs |
  - MVX 141X Performance I | 2 hrs |
  - MUN XXXX Ensemble | 1 hr |

#### Freshman Year - Spring

- **Freshman Year - Spring**  
  - Take General Knowledge Test  
  - MUL 2014 Introduction to Music History and Literature | 3 hrs |
  - MUT 1122 Music Theory and Musicianship II | 4 hrs |
  - MUS 1010 Music Forum | 0 hrs |
  - MVX 141X Performance I | 2 hrs |
  - MUN XXXX Ensemble | 1 hr |

#### Sophomore Year - Fall

- **Sophomore Year - Fall**  
  - MUS 1010 Music Forum | 0 hrs |
  - MUT 2126 Music Theory and Musicianship III | 4 hrs |
  - MVX 242X Performance II | 2 hrs |

### Sophomore Year - Spring

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 1010</td>
<td>Music Forum</td>
<td>0 hrs</td>
</tr>
<tr>
<td>EDF 2085</td>
<td>Introduction to Diversity for Educators</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUT 2127</td>
<td>Music Theory and Musicianship IV</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MVK 2122</td>
<td>Class Piano IV</td>
<td>1 hr</td>
</tr>
<tr>
<td>MUE 3393</td>
<td>Music and Students with Special Needs</td>
<td>2 hrs</td>
</tr>
<tr>
<td>MVX 343X</td>
<td>Performance III</td>
<td>2 hrs</td>
</tr>
<tr>
<td>MUN XXXX</td>
<td>Ensemble</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

### Equipment Fees

- **Part-Time Student:** $45 per term
- **Full-Time Student:** $90 per term
### Nursing (B.S.N.)

**College of Nursing**  
UTWR, Room: 3rd floor  
http://www.nursing.ucf.edu  
E-mail: ucfnurse@mail.ucf.edu  
Dr. Jean Leuner, Dean  
Dr. Linda Hennig, Associate Dean, Undergraduate  
Patricia Lei, Undergraduate Coordinator  
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 be at least one year post high school 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 basic 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](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](http://www.nursing.ucf.edu).
- All applicants are encouraged to attend an information session, 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 eight (8) Common Program Prerequisites must be completed by the program application deadline. This includes 3 courses from Group A, and the remainder from Groups A or B.

#### Group A

- A minimum of three courses, with a grade of C (2.0) or better.
- May take Anatomy and Physiology sequence (AP I & II) of six-eight total credits

<table>
<thead>
<tr>
<th>Subject</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Microbiology with Lab</td>
<td>4 hrs</td>
</tr>
<tr>
<td>Anatomy with Lab</td>
<td>4 hrs</td>
</tr>
<tr>
<td>1 CHM 1032 General Chemistry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Physiology with Lab</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

1. or other approved Physical or Life Science

#### Group B

- A minimum of three courses, with grade of C (2.0) or better at time of application.
- All courses must be completed before program begins.

<table>
<thead>
<tr>
<th>Subject</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sociology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Psychology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Developmental Psychology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Human Nutrition</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Statistics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 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 2.5 GPA in the nursing major are required for continuation and graduation from the Nursing Program
- UCF Residency Requirement: 30 hours

#### 1. UCF General Education Program (GEP) (38 hrs)

- Note: Certain courses must be selected in the GEP for this major, bringing the total GEP hours to more than 36. The courses designated in sections 1 and 2 below may be taken at a Florida Community or State College or other universities, and should be completed in the first 60 hours.

<table>
<thead>
<tr>
<th>Content</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>
</tbody>
</table>

#### 1. Mathematics

<table>
<thead>
<tr>
<th>Content</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Math</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

- You may substitute a higher level math with appropriate scores on the Math Placement Test.

<table>
<thead>
<tr>
<th>Content</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 2014C Principles of Statistics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 2023 Statistical Methods</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### 2. Statistics

<table>
<thead>
<tr>
<th>Content</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>3 hrs</td>
</tr>
<tr>
<td>POS 2041 American National Government</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### 2. Social Sciences

<table>
<thead>
<tr>
<th>Content</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 2012 General Psychology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYG 2000 Introduction to Sociology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### 2. Life Sciences

<table>
<thead>
<tr>
<th>Content</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 1032 General Chemistry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BSC 2010C Biology</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

#### 2. Common Program Prerequisites (CPP) (21 hrs)

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information and possible substitutions.
- Some of these courses have prerequisites that must be taken first.
- Students should consult with an advisor in the College of Nursing for clarification of questions regarding prerequisite requirements.
- Any variation from the stated prerequisites must be approved in writing by the College of Nursing. Petition forms are available on the College of Nursing website at [http://www.nursing.ucf.edu](http://www.nursing.ucf.edu)

<table>
<thead>
<tr>
<th>Content</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 2012 General Psychology</td>
<td>GEP</td>
</tr>
<tr>
<td>SYG 2000 Introduction to Sociology</td>
<td>GEP</td>
</tr>
<tr>
<td>MCB 2004C Microbiology for Health Professionals</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ZOO 3733C Human Anatomy</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PCB 3703C Human Physiology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>HUN 3011 Human Nutrition</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 CHM 1032 General Chemistry</td>
<td>GEP</td>
</tr>
</tbody>
</table>

#### Select 1:

<table>
<thead>
<tr>
<th>Content</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 2014C Principles of Statistics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 2023 Statistical Methods</td>
<td>GEP</td>
</tr>
</tbody>
</table>

#### Select 1:

<table>
<thead>
<tr>
<th>Content</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOW 3104 Assessing I: Human Development</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DEP 2004C Developmental Psychology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1. or other approved Life/Physical Science

#### 3. Core Requirements: Basic Level

- None

#### 4. Core Requirements: Advanced Level (62 hrs)

- Any variation from the following must be approved in advance by the College of Nursing.

<table>
<thead>
<tr>
<th>Content</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR 3065 Health Assessment</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3065L Health Assessment Lab</td>
<td>1 hr</td>
</tr>
</tbody>
</table>
UCF Degree Programs

NUR 3225 The Role of the Professional Nurse 2 hrs
NUR 3028 Essentials of Nursing Practice 2 hrs
NUR 3758L Essentials of Nursing Practice Clinical 2 hrs
NUR 3028L Essentials of Nursing Practice Lab 1 hr
NUR 3634 Community Health Nursing 3 hrs
NUR 3634L Community Health Nursing Clinical 2 hrs
NUR 3125 Pathophysiology for Nursing Practice 3 hrs
NUR 3145 Pharmacology for Nursing Practice 3 hrs
NUR 3225 Nursing Care of the Adult I 3 hrs
NUR 3225L Nursing Care of the Adult I: Clinical Practice 2 hrs
NUR 3445 Nursing Care of Families 3 hrs
NUR 3445L Nursing Care of Families Clinical 2 hrs
NUR 3165 Nursing Research 3 hrs
NUR 4637 Health Care Issues, Policy, and Economics 3 hrs
NUR 4227 Nursing Care of the Adult II 4 hrs
NUR 4227L Nursing Care of the Adult II: Clinical Practice 3 hrs
NUR 4535 Psychiatric Mental Health Nursing 3 hrs
NUR 4535L Psychiatric Mental Health Clinical 2 hrs
NUR 4257 Introduction to Critical Care Nursing 3 hrs
NUR 4945L Nursing Practicum 4 hrs
NUR 4828 Nursing Leadership, Management and Role Transition 3 hrs
NUR 4837L Nursing Practicum Lab 1 hr
NUR 4837 Public Health Nursing 2 hrs
NUR 4837L Public Health Nursing Clinical 1 hr

5. Restricted Electives (3 hrs)
Nursing Electives
- One College of Nursing elective
6. Capstone Requirements
- None
7. Foreign Language Requirements
Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
Graduation
- None
8. Electives
- None
9. Additional Requirements
- Students pursuing a BS degree must meet the University foreign language admission requirements before graduation.
- Mandatory Drug Screening is required prior to any clinical course and "on demand" for continuation in the program. 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
- 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
- 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.

Related Programs
- Health Services Administration
- Social Work
Certificates
- Aging Studies
Related Minors
- Psychology
- Health Sciences
- Health Services Administration

Advising Notes
- None
Transfer Notes
- Lower Division courses 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 1022: May substitute any college Chemistry course 3 hrs
  - DEP 2004: May substitute any Human Growth & Development course 3 hrs
  - HUN 3011: May substitute any Health Science course 3 hrs
  - MCB 2004C: May substitute any Microbiology course which has a lab.
  - PCB 3073C: May take Anatomy and Physiology course 4 hrs
  - PSY 2012: May substitute any General Psychology course.
  - STA 2014C: May substitute STA2023 or equivalent.
  - SYG 2000: May substitute any Introductory Sociology course.
  - ZOO 3733C: May take Anatomy and Physiology sequence (AP I & II).

Plan of Study
Freshman Year - Fall
SYG 2000 Introduction to Sociology 3 hrs
MAC 1105C College Algebra 3 hrs
BSC 2010C Biology I 4 hrs
1 GEP 3 hrs
1 General Education or SLS 1501
Freshman Year - Spring
PSY 2012 General Psychology 3 hrs
1 STA 2023 Statistical Methods I 3 hrs
1 CHM 1022 General Chemistry 3 hrs
2 GEP 3 hrs
1 or STA 2014C
2 General Education Course
Sophomore Year - Summer
MCB 2004C Microbiology for Health Professionals 4 hrs
Junior Year - Fall
NUR 3825 The Role of the Professional Nurse 2 hrs
NUR 3065 Health Assessment 2 hrs
NUR 3085L Health Assessment Lab 1 hr
NUR 3028 Essentials of Nursing Practice 2 hrs
NUR 3758L Essentials of Nursing Practice Clinical 2 hrs
NUR 3028L Essentials of Nursing Practice Lab 1 hr
NUR 3634 Community Health Nursing 3 hrs
NUR 3634L Community Health Nursing Clinical 2 hrs

UNIVERSITY OF CENTRAL FLORIDA
Junior Year - Spring 16 hrs
NUR 3125 Pathophysiology for Nursing Practice 3 hrs
NUR 3145 Pharmacology for Nursing Practice 3 hrs
NUR 3225 Nursing Care of the Adult I 3 hrs
NUR 3225L Nursing Care of the Adult I: Clinical Practice 2 hrs
NUR 3445 Nursing Care of Families 3 hrs
NUR 3445L Nursing Care of Families Clinical 2 hrs

Junior Year - Summer 6 hrs
NUR 3165 Nursing Research 3 hrs
NUR 4837 Health Care Issues, Policy, and Economics 3 hrs
NUR XXXX Nursing Elective 3 hrs

Senior Year - Fall 12 hrs
NUR 4227 Nursing Care of the Adult II 4 hrs
NUR 4227L Nursing Care of the Adult II: Clinical Practice 3 hrs
NUR 4535 Psychiatric Mental Health Nursing 3 hrs
NUR 4535L Psychiatric Mental Health Clinical 2 hrs
NUR XXXX Nursing Elective if needed 3 hrs

Senior Year - Spring 13 hrs
NUR 4257 Introduction to Critical Care Nursing 3 hrs
NUR 4945L Nursing Practicum 4 hrs
NUR 4637 Public Health Nursing 2 hrs
NUR 4637L Public Health Nursing Clinical 1 hr
NUR 4828 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.oes.ucf.edu/aac/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $25 per term
- Full-Time Student: $50 per term

Nursing - Concurrent A.S.N. to B.S.N. enrollment option (B.S.N.)
College of Nursing
UTWR, Room: 3rd floor
http://www.nursing.ucf.edu/
E-mail: ucfnurse@mail.ucf.edu
407-823-2744

A partnership between selected State/Community Colleges and UCF College of Nursing to allow qualified Associate of Science in Nursing (ASN) students to enroll in the RN to BSN program while completing the ASN program. This program allows simultaneous enrollment in both associate and baccalaureate nursing programs.

Admission Requirements
- Acceptance to the University does not constitute admission to this program. Only students admitted to the State/Community Colleges Nursing Programs are eligible for this enrollment option. Upon invitation, if not already admitted to UCF, students must make separate application to the UCF College of Nursing. Students are accepted into this program if not already admitted to UCF, students must make separate application.
- Students not yet admitted to UCF must make application and be accepted by the University prior to admission to the ASN program. Upon completion of the ASN and successful licensure as a Registered Nurse, students will enroll in remaining UCF nursing upper division courses to complete the BSN.
- Criminal background checks and drug screening are required for all Concurrent students prior to their registering for the final practicum course NUR 4604L.

At the time of application, students must have:
- A cumulative GPA of 3.0 or above.
- Been accepted for enrollment and in good standing at the State/Community College ASN Nursing program.
- An AA degree from a Florida State/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 ASN nursing programs.
- CLAS requirement satisfied.
- A satisfactory score on the standardized entry test required by both programs.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog year, including minors.
- Students should consult with a college advisor or community college A.A. transfer advisor regarding completion of General Education Program requirements.
- Students should consult with an advisor in the Concurrent Nursing program for clarification of questions regarding prerequisite requirements.
- The courses designated in sections 1 and 2 below may be taken at a Florida State/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)
   D: Social Foundations (6 hrs)
   E: Science Foundations (7 hrs)

2. Common Program Prerequisites (CPP) (18 hrs)
   Applicants should see a UCF Nursing Advisor for possible course substitutions.
   See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

3. Required
   MCB 2004C Microbiology for Health Professionals 4 hrs
   CHM 1032 General Chemistry 4 hrs
   ZOO 3733C Human Physiology 4 hrs
   HUN 3011 Human Nutrition 3 hrs

4. Select 1:
   STA 2023 Statistical Methods I or STA 2014C Principles of Statistics 3 hrs
   STA 2014C Principles of Statistics 3 hrs
   SOW 3104 Assessing I: Human Development or DEP 2004C Developmental Psychology 3 hrs
   SYG 2012 General Psychology or SYG 2000 Introduction to Sociology 3 hrs
   Other Physical Science

1. Science Foundation is six credit hours for General Education Program.
2. This BSC course is needed as a course prerequisite for Anatomy and Physiology and Health Microbiology.
3. or other Physical Science
### UCF Degree Programs

1. **Core Requirements: Advanced Level**
   (52 hrs)

#### Core UCF Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR 3008</td>
<td>Professional Socialization Seminar</td>
<td>1 hr</td>
</tr>
<tr>
<td>NUR 3065</td>
<td>Health Assessment Lab</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3065L</td>
<td>Health Assessment Lab</td>
<td>1 hr</td>
</tr>
<tr>
<td>NUR 3085</td>
<td>Dimensions of Professional Nursing Practice</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3165</td>
<td>Nursing Research</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3165L</td>
<td>Community Health Nursing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4387</td>
<td>Health Care Issues, Policy, and Economics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4828</td>
<td>Nursing Leadership, Management and Role Transition</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4637</td>
<td>Public Health Nursing</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 4640L</td>
<td>Practicum in Community and Public Health Nursing for RNs</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

#### Upper Division Credit

- **Total Semester Hours Required**: 11
  - May be met by validation

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR 3026</td>
<td>Essentials of Nursing Practice</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3028L</td>
<td>Essentials of Nursing Practice Lab</td>
<td>1 hr</td>
</tr>
<tr>
<td>NUR 3755L</td>
<td>Essentials of Nursing Practice Clinical</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3225</td>
<td>Nursing Care of the Adult I: Clinical Practice</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3245</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>
</tr>
<tr>
<td>NUR 4227</td>
<td>Nursing Care of the Adult II: Clinical Practice</td>
<td>4 hrs</td>
</tr>
<tr>
<td>NUR 4227L</td>
<td>Nursing Care of the Adult II: Clinical Practice</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4535</td>
<td>Psychiatric Mental Health Nursing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4535L</td>
<td>Psychiatric Mental Health Clinical</td>
<td>2 hrs</td>
</tr>
</tbody>
</table>

#### Restricted Electives

- **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

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### 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**

### 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**: $25 per term
- **Full-Time Student**: $50 per term

### Nursing - R.N. to B.S.N. Program (B.S.N.)

#### College of Nursing

- **UTWR, Room**: 3rd floor
- **http://www.nursing.ucf.edu**
- **E-mail**: ucfnurse@mail.ucf.edu
- **Stephen Heglund, RN to BSN Coordinator**
- **Dr. Linda Hennig, Assoc. Dean Undergraduate**
- **Dr. Jean Leuner, Dean**
- **407-823-2744**

### BSN completion program for individuals who are licensed RNs. Students must complete all university-wide graduation requirements (general education, foreign language, CLAS, Gordon Rule, etc.). All courses are available online and some courses may be offered face-to-face as well. For more information, see [http://distrub.ucf.edu/home](http://distrub.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.**

### 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.**

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**UNIVERSITY OF CENTRAL FLORIDA**

272 Undergraduate Catalog 2011-2012
1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)

Select 1:
- Required STA 2014C Principles of Statistics or STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)

Select 1:
- Required SYG 2000 Introduction to Sociology or PSY 2012 General Psychology 3 hrs

Select 1:
- Suggested ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics 3 hrs
- Suggested POS 2041 American National Government 3 hrs

E: Science Foundations (6 hrs)
   - Required BSC 2010C Biology I 4 hrs
   - Required CHM 1032 General Chemistry 3 hrs

Select 1:
- Required SYG 2000 Introduction to Sociology or PSY 2012 General Psychology 3 hrs

Select 1:
- Suggested ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics 3 hrs
- Suggested POS 2041 American National Government 3 hrs

1 One of these courses is required to meet General Education requirements.

2 Science Foundation is 6 credit hours for General Education Program. The BSC course is needed as a course prerequisite for Anatomy and Physiology and Health Microbiology. Chemistry is a prerequisite for Nutrition (HUN 3011).

2. Common Program Prerequisites (CPP) (18 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

Select 1:
- Required STA 2014C Principles of Statistics or STA 2023 Statistical Methods I 3 hrs

Select 1:
- Suggested CHM 1032 General Chemistry 3 hrs

Select 1:
- Suggested SYG 2000 Introduction to Sociology or PSY 2012 General Psychology 3 hrs

Select 1:
- Suggested ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics 3 hrs
- Suggested POS 2041 American National Government 3 hrs

3. Core Requirements: Basic Level
   - None

4. Core Requirements: Advanced Level (51 hrs)
   UCF Core
   - NUR 3805 Dimensions of Professional Nursing Practice 3 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 4837 Health Care Issues, Policy, and Economics 3 hrs
   - NUR 4604L Practicum in Community and Public Health Nursing for RNs 4 hrs
   - NUR 4828 Nursing Leadership, Management and Role Transition 3 hrs
   - NUR 4637 Public Health Nursing 2 hrs

Upper Division Credit
   - Upper Division Credit may be met by Validation.
     - NUR 3028 Essentials of Nursing Practice 2 hrs
     - NUR 3755L Essentials of Nursing Practice Clinical 2 hrs
     - NUR 3028L Essentials of Nursing Practice Lab 1 hr
     - NUR 3225 Nursing Care of the Adult I 3 hrs
     - NUR 3225L Nursing Care of the Adult I: Clinical Practice 2 hrs
     - NUR 3445 Nursing Care of Families 3 hrs
     - NUR 3445L Nursing Care of Families 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)
   - Any two upper division nursing electives (NUR or NSP prefix)

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   Admissions
   - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to enrollment in NUR 3634.

Graduation
   - None

8. Electives
   - variable to meet degree requirements

9. Additional Requirements
   - A criminal background check and mandatory Drug Screening are required prior to any clinical course and “on demand” for continuation in the program.
     - Complete all courses in major with at least a “C” (2.0).
     - Maintain a UCF GPA of 2.5 or above.
     - Maintain a College of Nursing GPA of 2.5 or above.

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) admission to the Nursing Program; 2) complete general education requirements or A.A. from a Florida public Community College or State University System (SUS); 3) complete Nursing prerequisites; 4) CLAS requirement satisfied; and 5) complete foreign language admission requirement

Other:
   - Selected courses may be offered at regional campuses of Daytona, Cocoa, Leesburg, and Ocala.
   - The RN to BSN coursework is offered online. Some on-campus labs and clinical practice may be required. For more information visit http://www.nursing.ucf.edu.
     - A maximum of 6 upper division credit hours of Nursing courses may be transferred from another institution.

10. Required Minors
   - None

11. Departmental Exit Requirements
   - Completion of all courses in major with a grade of “C” (2.0) or better
   - Overall cumulative GPA of 2.5 or above
   - College of Nursing GPA of 2.5 or above

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.
### UCF Degree Programs

- 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 Information Management
  - Health Services Administration
  - Psychology
- **Advising Notes**
  - Students are required to design an individual plan of study with an advisor. An example plan is noted below. Any changes to that plan must be made in consultation with the advisor. Failure to do so may result in a delay of program progression and/or graduation.
- **Transfer Notes**
  - None
- **Acceptable Substitutes for Transfer Courses**
  - None
- **Plan of Study**
  - (30 hrs)
  - Assuming general education, foreign language, and nursing prerequisites are complete
- **Junior Year - Fall**
  - NUR 3805 Dimensions of Professional Nursing Practice 3 hrs
  - NUR 3065 Health Assessment Lab 2 hrs
  - NUR 3065L Health Assessment Lab 1 hr
- **Junior Year - Spring**
  - NUR 3165 Nursing Research 3 hrs
  - NUR 3834 Community Health Nursing 3 hrs
- **Junior Year - Summer**
  - NUR 4837 Health Care Issues, Policy, and Economics 3 hrs
  - NUR/NSP XXXX Nursing Elective 3 hrs
- **Senior Year - Fall**
  - NUR 4828 Nursing Leadership, Management and Role Transition 3 hrs
  - NUR/NSP XXXX Nursing Elective 3 hrs
- **Senior Year - Spring**
  - NUR 4604L Practicum in Community and Public Health Nursing for RNs 4 hrs
  - NUR 4837 Public Health Nursing 2 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](http://www.oes.ucf.edu/alc/academic_learning_compacts.htm)
- **Equipment Fees**
  - Part-Time Student: $25 per term
  - Full-Time Student: $50 per term

### Philosophy (B.A.)

**College of Arts and Humanities**

**Department of Philosophy, Psychology Building, Room: 220**


**E-mail:** philosophy@mail.ucf.edu

Dr. Don Jones, donjones@mail.ucf.edu, 407-823-2273

Dr. Jennifer Mundale, jmundale@pegasus.cc.ucf.edu, 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)

#### A: Communication Foundations (9 hrs)

- Required
  - HUM 2210 Humanistic Tradition I
  - HUM 2230 Humanistic Tradition II
  - PHI 2010 Introduction to Philosophy

#### B: Cultural & Historical Foundations (9 hrs)

- Prefer
  - MGF 1106 Finite Mathematics
  - STA 1060C Basic Statistics Using Microsoft Excel

#### C: Mathematical Foundations (6 hrs)

- May substitute a higher level math course.

### 2. Common Program Prerequisites (CPP)

- None

### 3. Core Requirements: Basic Level (36 hrs)

- HUM 2210 Humanistic Tradition I
- HUM 2230 Humanistic Tradition II
- PHI 2010 Introduction to Philosophy

### 4. Core Requirements: Advanced Level (36 hrs)

#### Core

- PHI 4938 Senior Research Seminar 3 hrs

#### History of Philosophy

- PHI 3083 Research Methods in Philosophy 3 hrs

#### Values and Society

- PHI 3670 Ethical Theory or 3 hrs
- PHI 3626 Advanced Ethics in Science and Technology or 3 hrs
- PHM 3401 Philosophy of Law or 3 hrs
- PHM 3800 Aesthetics or 3 hrs
- PHM 3123 Feminist Theories or 3 hrs
- PHM 3638 Ethical Issues in the 21st Century or 3 hrs
- PHI 3625 Virtual Ethics or 3 hrs
- PHM 4633 Ethics and Biological Science or 3 hrs
- PHM 3100 Freedom and Justice or 3 hrs
- PHM 3640 Environmental Ethics or 3 hrs
- PHM 4031 Environmental Philosophy or 3 hrs
- PHI 3701 Native American Philosophy or 3 hrs
- PHI 3805 Contemporary Aesthetics 3 hrs

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### Notes:

- 1 May substitute a higher level math course.
- 2 Core
- 3 History of Philosophy
- 4 Values and Society

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**Program Academic Learning Compacts**

**Advising Notes**

**Transfer Notes**

**Acceptable Substitutes for Transfer Courses**

**Plan of Study**

**Junior Year - Fall**

**Junior Year - Spring**

**Junior Year - Summer**

**Senior Year - Fall**

**Senior Year - Spring**

**Equipment Fees**

**Full-Time Student:** $50 per term

**Part-Time Student:** $25 per term
Being and Knowing 6 hrs

Select 2: 6 hrs

PHI 4500 Metaphysics or 3 hrs
PHI 4341 Ways of Knowing or 3 hrs
PHI 4300 Theories of Knowledge or 3 hrs
PHI 3700 Philosophy of Religion or 3 hrs
PHI 4400 Philosophy of Science or 3 hrs
PHI 3320 Philosophy of Mind or 3 hrs
PHI 3451 Philosophy of Psychology or 3 hrs
PHI 4420 Philosophy of Social Science or 3 hrs
PHI 3323 Minds and Machines: Philosophy of Cogntive Science or 3 hrs
PHP 4782 Phenomenology or 3 hrs
PHI 4221 Philosophy of Language 3 hrs

Topics in Philosophy 3 hrs

Select 1: 3 hrs

Appropriate Special Topics in Philosophy may be substituted for some core courses with prior approval by Departmental advisor.

PHI 4931 Philosophy in the News or 3 hrs
PHI 3683 Philosophy of Friendship or 3 hrs
PHI 4321 Philosophies of Embodiment: Mind/Body/ Self or 3 hrs

PHI 3648 Ethical Implications of the Human Genome Project or 3 hrs
PHM 3022 Sexuality, Gender & Philosophy or 3 hrs
PHI 3033 Philosophy, Religion, and the Environment or 3 hrs

PHI 4804 Critical Theory or 3 hrs
PHP 3783 Modernity as a Philosophical Problem or 3 hrs
PHI 3750 The Problem of Evil or 3 hrs
PHI 3720 Faith and Reason or 3 hrs
PHI 3803 Philosophy and Creativity or 3 hrs
PHI 3941 Philosophy Practicum or 3 hrs
REL 3111 Religion and Philosophy Through Film or 3 hrs
PHP 3786 Existentialism or 3 hrs
HUM 4330 Performance Theory or 3 hrs
PHI 4935 Topics in Philosophy of Mind 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 gradation 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 4970H Undergraduate Honors Thesis or 1 hr
PHI 4938 Senior Research Seminar or 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

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 GPA of at least 3.5.
- Successful completion and oral defense of Honors thesis.
- Earn a "B" (3.0) or better in both of the following courses:
  PHI 4903H Honors Directed Reading I 1 hr
  PHI 4970H Undergraduate Honors Thesis 1 hr

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 2101 Introduction to Philosophy 3 hrs
SPN 1120C Elementary Spanish Language and Civilization I 4 hrs

Freshman Year - Spring 16 hrs

ENC 1102 Composition II 3 hrs
HUM 2230 Humanistic Tradition II 3 hrs
STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
Restricted Elective 3 hrs
SPN 1121C Elementary Spanish Language and Civilization II 4 hrs

Sophomore Year - Fall 15 hrs

GEP 3 hrs
GEP 3 hrs
Photography (B.S.)

College of Arts and Humanities

School of Visual Arts and Design

http://svad.cah.ucf.edu

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-Studios 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 (9 hrs)
  - ENC 1101 Composition I 3 hrs
  - ENC 1102 Composition II 3 hrs
  - SP 2000 Speech (A.S.) 3 hrs
- B: Cultural & Historical Foundations (6 hrs)
  - ARH 2051 History of Western Art II 3 hrs
- C: Mathematical Foundations (6 hrs)
  - MAC 2106 College Algebra 3 hrs
  - MAC 2107 Mathematics for Liberal Arts 3 hrs
- D: Social Foundations (6 hrs)
  - PSY 2010 Psychology 3 hrs
- E: Science Foundations (6 hrs)
  - PH 2050 General Physics I 3 hrs
  - PH 2051 General Physics II 3 hrs

2. Common Program Prerequisites (CPP)
- (Included in A.S. or B.S. requirements.)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- Subject to change. Prerequisites have not been set by the state.

3. Core Requirements: Basic Level (49 hrs)
- A.S. Required Courses:
  - (Completed in the A.S. degree program in Photographic Technology, or equivalent coursework)
  - PGY 1115 Color Materials and Processes 7 hrs
  - PGY 1403 Fundamentals of Photography 4 hrs
  - PGY 1806 Digital Imaging 4 hrs
  - PGY 2000 History and Aesthetics of Photography 3 hrs
  - PGY 2107 Large Format Photography 4 hrs
  - PGY 2215 Professional Studio Portraiture 4 hrs
  - PGY 2800 Photography and the Digital Image 4 hrs
  - PGY 2300 Field Survey of Professional Workshop 3 hrs
  - PGY 2650 Editorial Photography 4 hrs
  - PGY 2740 Advanced Photography Workshop OR 4 hrs
  - PGY 2935 Portfolio Workshop 4 hrs

4. Core Requirements: Advanced Level (36 hrs)
- PGY 3002 Contemporary Photography 3 hrs
- PGY 4003 Image, Culture, and Society 3 hrs
- PGY 3821C Advanced Digital Photography 3 hrs
- PGY 4472C Photo Visualization 3 hrs
- PGY 4480C Advanced Illustrative Photography 3 hrs
- PGY 4471 Photography Thesis 3 hrs
- PGY 3276 The Professional Environment 3 hrs
- PGY 3205C Photographic Lighting Techniques 3 hrs
- PGY 3615C Narrative Editorial Photography 3 hrs
- PGY 3653C Advanced Editorial Photography 3 hrs
- PGY 3703C Photography & the Web 3 hrs
- PGY 3751C Videography 3 hrs
- CRW 3011 Creative Writing for Non-Majors 3 hrs
- ENC 3250 Professional Writing 3 hrs
- ENC 3250 Professional Writing 3 hrs

5. Restricted Electives (6 hrs)
Select two of the following courses:
- PGY 3451C Alternative Processes 3 hrs
- PGY 4493C Photography and Art 3 hrs

GEP 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs

Sophomore Year - Spring 15 hrs
GEP 3 hrs
GEP 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs

Junior Year - Fall 15 hrs
PHI 3063 Research Methods in Philosophy 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs

Junior Year - Spring 15 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs

Senior Year - Fall 15 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs

Senior Year - Spring 15 hrs
PHI 4938 Senior Seminar 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes)
  for undergraduate programs are located at:
  http://www.oes.ucf.edu/alc/academic_learning_compacts.htm

Undergraduate Catalog 2011-2012
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
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)
Required SPC 1603 Fundamentals of Technical Presentations 3 hrs

Take all of the following: 6 hrs
Required ENC 1101 Composition I and Required ENC 1102 Composition II 3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (7 hrs)
Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
Required COP 3502C Computer Science I 3 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

2. Common Program Prerequisites (CPP) (20 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

CHM 2045C Chemistry Fundamentals I 4 hrs
CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory 1 hr

PHY 2048C Physics for Engineers & Scientists I GEP
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.

A: Communication Foundations
Prefer SPC 1603 Fundamentals of Technical Presentations 3 hrs

Take all of the following: 6 hrs
Required ENC 1101 Composition I and Required ENC 1102 Composition II 3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (7 hrs)
Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
Required COP 3502C Computer Science I 3 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

2. Common Program Prerequisites (CPP) (20 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

CHM 2045C Chemistry Fundamentals I 4 hrs
CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory 1 hr

PHY 2048C Physics for Engineers & Scientists I GEP
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.

A: Communication Foundations
Prefer SPC 1603 Fundamentals of Technical Presentations 3 hrs

Take all of the following: 6 hrs
Required ENC 1101 Composition I and Required ENC 1102 Composition II 3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (7 hrs)
Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
Required COP 3502C Computer Science I 3 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

2. Common Program Prerequisites (CPP) (20 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

CHM 2045C Chemistry Fundamentals I 4 hrs
CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory 1 hr

PHY 2048C Physics for Engineers & Scientists I GEP
PHY 2049C Physics for Engineers and Scientists II 4 hrs
4. Core Requirements: Basic Level

* Required of all specializations.
- MAP 2302 Differential Equations
- PHY 3101 Physics for Engineers and Scientists III
- PHZ 3111 Introduction to Theoretical Methods of Physics
- PHY 3220 Mechanics I
- PHY 3513 Thermal and Statistical Physics
- PHY 3323 Electricity and Magnetism I
- PHY 4324 Electricity and Magnetism II
- PHY 4604 Wave Mechanics I
- PHY 4605 Wave Mechanics II
- PHY 4912 Directed Independent Research (in area of specialization)

4.1. General Physics Specialization 18 hrs

- PHY 4803L Advanced Physics Laboratory

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.

* Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

4.2. Materials Physics Specialization 18 hrs

- EEE 5350C Fabrication of Solid-State Devices
- EMA 4413 Fundamentals of Electronic Materials
- CHM 3411L Physical Chemistry Laboratory
- PHZ 5405 Condensed Matter Physics
- EEE 5352 Semiconductor Material and Device Characterization

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

- PHY 4424 Optics

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

- PHZ 3151 Computer Methods in Physics
- COP 3502C Computer Science I
- COP 3503C Computer Science II
- COT 4500 Numerical Calculus

Directed Electives: 6 hrs
- Select courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Chemistry, Computer Science, or Engineering.

4.5. Astronomy Specialization 18 hrs

- AST 2002 Astronomy
- AST 3722C Techniques of Observational Astronomy

Selected 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

* 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 normalized 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 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 Examination, 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 - Engineering/Physics Track
- Mathematics - Applied Track
- Mathematics - Pure Track
- Electrical Engineering
- Mechanical Engineering

Certificates

- None

Related Minors

- Mathematics
Senior Year - Spring 14 hrs
Senior Year - Fall 15 hrs
Junior Year - Spring 15 hrs
Junior Year - Fall 15 hrs
Sophomore Year - Fall 17 hrs
Sophomore Year - Spring 15 hrs
Freshman Year - Fall 14 hrs
Freshman Year - Spring 15 hrs

Plan of Study
This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

Prior to enrolling in Math, take Math Placement Test ~
http://mathplacement.sdes.ucf.edu/

Prior to enrolling in Chemistry, take Chemistry Placement Test ~
http://chemplacement.sdes.ucf.edu/

Freshman Year - Fall

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Freshman Year - Spring

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Physics Test-Nationally normed

Program Academic Learning Compacts
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.ucas.ucf.edu/ac/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
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
  - POS 3703 Scope and Methods of Political Science 3 hrs
- 2. Students who major in International and Global Studies and minor in Political Science, shall not count more than one course toward both programs, 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)

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
- Select from GEP B.2 list 3 hrs

C: Mathematical Foundations (6 hrs)
- GEP - Math 3 hrs
- Prefer MGF 1106 Finite Mathematics or 3 hrs
- Prefer MGF 1107 Explorations in Mathematics or 3 hrs
- You may substitute a higher level math with appropriate scores on the Math Placement Test.

GEP - Statistics (3 hrs)
- Prefer STA 2014C Principles of Statistics or 3 hrs
- Prefer STA 1060C Basic Statistics Using Microsoft Excel or
- You may substitute a higher level Statistics course. 3 hrs

http://www.cos.ucf.edu/politicalscience
UCF Degree Programs

D: Social Foundations (6 hrs)
Required
POS 2041 American National Government 3 hrs
Select from GEP D.2 list 3 hrs

E: Science Foundations (6 hrs)
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.
POS 2041 American National Government GEP
POS 3703 Scope and Methods of Political Science 3 hrs

3. Core Requirements: Basic Level
POS 2041 American National Government GEP/CPP

4. Core Requirements: Advanced Level
POS 3703 Scope and Methods of Political Science CPP

5. Restricted Electives (30 hrs)
- Choose one of the following tracks.

Track 1: American Politics and Policy
Five 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
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 6 hrs
Five courses from Area B 15 hrs
Two courses from Area C 6 hrs
One additional course from any Area 3 hrs

Track 3: Prelaw
- Please see Political Science - Prelaw Track

Areas of Specialization

A. American Politics and Policy Area
POS 3122 State Government and Public Policy or 3 hrs
POS 3173 Southern Politics or 3 hrs
POS 3182 Florida Politics or 3 hrs
POS 3233 Public Opinion or 3 hrs
POS 3235 Mass Media and Politics or 3 hrs
POS 3268 Politics in Film or 3 hrs
POS 3273 Voting and Elections or 3 hrs
POS 3413 The American Presidency or 3 hrs
POS 3424 Congress and the Legislative Process or 3 hrs
POS 3443 Political Parties and Processes or 3 hrs
POS 3463 Interest Groups or 3 hrs
POS 3627 Cultural Pluralism and Law or 3 hrs
POS 4074 Latino Politics or 3 hrs
POS 4142 Metropolitan Politics or 3 hrs
POS 4204 Political Behavior or 3 hrs
POS 4266 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
PUP 4204 Sustainability or 3 hrs
PUP 4209 Urban Environmental Policy or 3 hrs
PUP 3203 Environmental Politics or 3 hrs
PUP 3314 Minorities in American Politics or 3 hrs
PUP 3325 Women and Political Behavior or 3 hrs
PUP 4003 American Public Policy or 3 hrs
PUP 4323 Women and Public Policy or 3 hrs
PUP 4404 Education and Politics or 3 hrs
PUP 4503 Government and Science or 3 hrs
PUP 4602 Politics of Health or 3 hrs
PUP 4744 Government and Business or 3 hrs
PUP 4931 Topics in Public Policy or 3 hrs
POS 3078 American Indian Politics or 3 hrs
POS 3234 Protest in American Politics 3 hrs

B. International Relations and Comparative Government Area
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 4043 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 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 or 3 hrs
Comparative Perspective or
GEO 3471 World Geography or 3 hrs
IDS 4315 Global Perspectives or 3 hrs
IRN 2002 International Relations-Theory and Practice or 3 hrs
IRN 3016 Global Political Issues or 3 hrs
IRN 3250 Politics of Pan-Africanism or 3 hrs
IRN 3253 International Politics of Africa or 3 hrs
IRN 4611 Politics of Globalization or 3 hrs
IRN 4030 Diplomacy or 3 hrs
IRN 4035 International Political Economy or 3 hrs
IRN 4054 Global Politics of Energy or 3 hrs
IRN 4060 Causes of War or 3 hrs
IRN 4064 Changing Nature of War or 3 hrs
IRN 4074 Immigration Policy or 3 hrs
IRN 4075 Human Rights Policy or 3 hrs
IRN 4076 Global Drug Policy or 3 hrs
IRN 4085 Women, Gender, and Globalization or 3 hrs
IRN 4102 American Foreign Policy or 3 hrs
IRN 4104 Topics and Cases in American Foreign Policy or 3 hrs
IRN 4114 American Security Policy or 3 hrs
IRN 4115 Strategic Weapons and Arms Control or 3 hrs
IRN 4424 Comparative International Politics of Asia or 3 hrs
IRN 4225 The Vietnam War or 3 hrs
IRN 4243 International Politics of Latin America or 3 hrs
IRN 4350 Global Environmental Politics or 3 hrs
IRN 4364 The Intelligence Community or 3 hrs
IRN 4394 Issues in International Public Policy or 3 hrs
IRN 4395 Coercion in International Politics or 3 hrs
IRN 4401 International Law I or 3 hrs
IRN 4402 International Law II or 3 hrs
IRN 4404 Space Law or 3 hrs
IRN 4502 International Organizations or 3 hrs
IRN 4714 Politics of International Trade Policy or 3 hrs
POS 3253 Contemporary Revolution and Political Violence or
PUP 3508 Space Studies or 3 hrs
PUP 3014 Comparative Public Policy or 3 hrs
IRN 4351 International Environmental Law or 3 hrs
PUP 4510 Space Policy or 3 hrs
CPO 4514 Politics of East Asia or 3 hrs
CPO 4794 Indigenous Politics and the Environment or 3 hrs
IRN 4603 International Relations Theory or 3 hrs
IRN 4034 Politics of International Terrorism or 3 hrs

C. Political Theory Area (6 hrs)
IRN 4603 International Relations Theory or 3 hrs
POS 4206 Political Psychology or 3 hrs
POT 3204 American Political Thought or 3 hrs
POT 3302 Modern Political Ideologies or 3 hrs
POT 4003 Political Theory or 3 hrs
POT 4025 Ancient, Medieval and Early Modern or 3 hrs
POT 4054 Modern Political Philosophy or 3 hrs
POT 4068 Contemporary Political Theory or 3 hrs
POT 4109 Politics and Literature or 3 hrs
POT 4345 Pan-Africanist Thought or 3 hrs
POT 4305 The State, Society, and the Individual or 3 hrs
POT 4314 Contemporary Democratic Theory or 3 hrs
POT 4331 Utopia/Dystopia or 3 hrs
POT 4414 Marxist Political Theory or 3 hrs
POT 4632 Religion and Politics 3 hrs
6. Capstone Requirements
- None

7. Foreign Language Requirements
Admissions
- Met by graduation requirement
Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.
- Internship Program: 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
- 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.

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
- Economics
- History

Certificates
- Diplomacy

Related Minors
- Economics
- History
- Psychology
- Sociology
- 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
- 15 hrs
  - AMH 2010  U.S. History: 1492-1877  3 hrs
  - ENC 1101  Composition I  3 hrs
  - POS 2041  American National Government  3 hrs
  - GEP 3 hrs
  - GEP 3 hrs

Freshman Year - Spring
- 15 hrs
  - AMH 2020  U.S. History: 1877-Present  3 hrs
  - ENC 1102  Composition II  3 hrs
  - GEP 3 hrs
  - GEP 3 hrs
  - GEP 3 hrs

Sophomore Year - Fall
- 16 hrs
  - Restricted Elective  3 hrs
  - GEP 3 hrs
  - Free Elective  3 hrs
  - Restricted Elective  3 hrs
  - Foreign Language  4 hrs

Sophomore Year - Spring
- 16 hrs
  - POS 3703  Scope and Methods of Political Science  3 hrs
  - Restricted Elective  3 hrs
  - Restricted Elective  3 hrs
  - Foreign Language  4 hrs
  - GEP 3 hrs

Junior Year - Fall
- 15 hrs
  - Restricted Elective  3 hrs
  - Restricted Elective  3 hrs
  - Free Elective  3 hrs
  - Free Elective  3 hrs

Junior Year - Spring
- 15 hrs
  - Restricted Elective  3 hrs
  - Free Elective  3 hrs
  - Free Elective  3 hrs
  - Free Elective  3 hrs

Senior Year - Fall
- 15 hrs
  - Restricted Elective  3 hrs
  - Restricted Elective  3 hrs
  - Free Elective  3 hrs

Senior Year - Spring
- 15 hrs
  - Restricted Elective  3 hrs
  - Restricted 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: $5 per term
- Full-Time Student: $10 per term

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
407-823-2008

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
The following is a suggested curriculum which both meets the requirements for a Political Science Degree while preparing you for professional school.

### Admissions

- 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.
- The 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 (9 hrs)

- Required: ENC 1101 Composition I 3 hrs
- Required: ENC 1102 Composition II 3 hrs
- Preferred: SPC 1608 Fundamentals of Oral Communication 3 hrs

#### B: Cultural & Historical Foundations (9 hrs)

- Preferred: AMH 2010 U.S. History: 1492-1877 3 hrs
- Preferred: AMH 2020 U.S. History: 1877-Present 3 hrs
- Select a course from GEP B.2. list 3 hrs

#### C: Mathematical Foundations (6 hrs)

- 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 2014C Principles of Statistics or
- Prefer: STA 1060C Basic Statistics Using Microsoft Excel or
  - You may substitute a higher level statistics course.
  - 3 hrs

#### D: Social Foundations (6 hrs)

- Political Science 3 hrs
  - Required: POS 2041 American National Government 3 hrs
- Social Science 3 hrs
  - Select one of the listed courses 3 hrs

#### E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (3 hrs)

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- See Transfer Notes for possible substitutes for the following courses.
  - POS 2041 American National Government GEP
  - POS 3703 Scope and Methods of Political Science 3 hrs

3. Core Requirements: Basic Level

- POS 2041 American National Government GEP/CPP

4. Core Requirements: Advanced Level (3 hrs)

- POS 3703 Scope and Methods of Political Science CPP
- POS 4284 Judicial Process and Politics 3 hrs

### 5. Restricted Electives (27 hrs)

Select one of the following four courses:

- POS 4603 American Constitutional Law 3 hrs
- POS 4604 American Constitutional Law II 3 hrs
- INR 4401 International Law I 3 hrs
- INR 4402 International Law II 3 hrs

And, select one of the following two options:

- Five courses from area A and
- Two courses from area B and
- One course from area C

#### OR

- Two courses from area A and
- Five courses from area B and
- One course from area C

### 6. Capstone Requirements

- None

### 7. Foreign Language Requirements

#### Admissions

- Met by graduation requirement

#### Graduation

- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

#### 8. Electives

- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.
- Internship Program: 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.
  - ACG 2021 Principles of Financial Accounting 3 hrs
  - ACG 2071 Principles of Managerial Accounting 3 hrs
  - BUL 3130 Legal and Ethical Environment of Business 3 hrs
  - ENC 3241 Writing for the Technical Professional 3 hrs
  - ENC 3250 Legal Writing 3 hrs
  - PLA 3108 Legal Research 3 hrs
  - PLA 3155 Legal Writing 3 hrs
  - POS 4941L Political Science Internship 3 hrs

### 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.

### 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

- Economics
- History
- Philosophy
### 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
- AMH 2010 U.S. History: 1492-1877 3 hrs
- ENC 1101 Composition I 3 hrs
- GEP 3 hrs
- POS 2041 American National Government 3 hrs
- GEP 3 hrs

#### Freshman Year - Spring
- AMH 2020 U.S. History: 1877-Present 3 hrs
- ENC 1102 Composition II 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- STA 2014C Principles of Statistics 3 hrs

#### Sophomore Year - Fall
- GEP 3 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs
- Foreign Language 4 hrs
- Supporting Elective 3 hrs

#### Sophomore Year - Spring
- GEP 3 hrs
- POS 3703 Scope and Methods of Political Science 3 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs
- Foreign Language 4 hrs

#### Junior Year - Fall
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs
- POS 4284 Judicial Process and Politics 3 hrs

#### Junior Year - Spring
- Restricted Elective 3 hrs
- Supporting Elective 4 hrs
- Supporting Elective 4 hrs
- Supporting Elective 3 hrs

#### Senior Year - Fall
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs
- Supporting Elective 3 hrs

### Degree Requirements

- 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.

#### 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:
- You may substitute a higher level math with appropriate scores on the Math Placement Test.

#### Statistics:
- Required STA 2023 Statistical Methods I or STA 2014C Principles of Statistics 3 hrs

#### D: Social Foundations (6 hrs)

- Social Sciences: 3 hrs
- Required PSY 2012 General Psychology 3 hrs

#### Political Science/Economics 3 hrs
- Select one of the listed choices 3 hrs

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**Psychology (B.S.)**

**College of Sciences**

**Department of Psychology, Psychology Building, Room: 301**

http://www.psych.ucf.edu/

E-mail: psychadvising@ucf.edu

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

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**UCF Degree Programs**

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**UNIVERSITY OF CENTRAL FLORIDA**

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UCF Degree Programs

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 BSC 2010C Biology II 4 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.

PSY 2012 General Psychology GEP
DEP 2004C Developmental Psychology 3 hrs

Biology:
- Select the advanced course if additional biology courses are planned.

BSC 1005 Biological Principles or GEP
BSC 2010C Biology I GEP

Statistics:
- STA 2014C Principles of Statistics or GEP
- STA 2023 Statistical Methods I GEP

3. Core Requirements: Basic Level

Lower Level Core Requirements

PSY 2012 General Psychology GEP

Biology:
- BSC 1005 Biological Principles or GEP
- BSC 2010C Biology I GEP

Statistics:
- STA 2014C Principles of Statistics or GEP
- STA 2023 Statistical Methods I GEP

4. Core Requirements: Advanced Level (15 hrs)

- PSY 3204C Statistical Methods in Psychology 4 hrs
- PSY 3213C Research Methods in Psychology 5 hrs
- PSB 3002 Physiological Psychology 3 hrs
- PSY 4604 History and Systems of Psychology 3 hrs

5. Restricted Electives (33 hrs)

A. Experimental: Select two of the following: 6 hrs
- EXP 3404C Basic Learning Processes or 3 hrs
- EXP 3204C Perception or 4 hrs
- EXP 3604C Cognitive Psychology or 4 hrs
- PSB 4240C Neuropsychology or 4 hrs
- PSY 4215C Advanced Research Methods in Psychology or 4 hrs
- PSY 3703 Psychology of Language 3 hrs

B. Personality/Social: Select one of the following: 3 hrs
- PPE 3003C Personality Theory and Research or 3 hrs
- SOP 3004C Social Psychology 3 hrs

C. Developmental: Select one of the following: 3 hrs
- DEP 2004C Developmental Psychology or 3 hrs
- DEP 3202 Psychology of Exceptional Children or 3 hrs
- DEP 3464 Psychology of Aging 3 hrs

D. Diversity: Select one of the following: 3 hrs
- CLP 3184 Women’s Mental Health or 3 hrs
- SOP 3742 Psychology of Women or 3 hrs
- SOP 3723 Cross Cultural Psychology or 3 hrs
- SOP 3724 Psychology of Prejudice or 3 hrs
- SOP 3784 Psychology of Diversity 3 hrs

E. Applied: Select one of the following: 3 hrs
- CLP 3302 Clinical Psychology or 3 hrs
- EXP 3250 Principles of Human Factors Psychology or 3 hrs
- INP 3004C Industrial/Organizational Psychology 3 hrs

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 1 hr
INP 3951 Industrial/Organizational Field Work or 3 hrs

- PSY 3905 Directed Independent Study or 1 hr
- PSY 4906 Directed Independent Study or 1 hr
- PSY 4912 Directed Independent Research or 1 hr
- 1 PSY 3951 Undergraduate Field Work 1 hr

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 3 hrs
- PSC 1121 Physical Science or 3 hrs
- PHY 2053C College Physics I or 4 hrs
- CHM 1020 Concepts in Chemistry or 3 hrs
- COP 3223 Introduction to Programming C or 3 hrs
- COP 3502C Computer Science I or 3 hrs
- COP 3503C Computer Science II or 4 hrs
- MAC 2233 Concepts of Calculus or 3 hrs
- MAC 2253 Applied Calculus I or 3 hrs
- PCB 3703C Human Physiology or 4 hrs
- STA 4102 Computer Processing of Statistical Data or 3 hrs
- STA 4163 Statistical Methods II or 3 hrs
- STA 4164 Statistical Methods III or 3 hrs
- BSC 1005 Biology and Environment or 3 hrs
- BSC 2011C Biology II or 4 hrs
- BSC 4312C Marine Biology or 4 hrs
- PCB 3063 Genetics or 3 hrs
- ENV XXXX Any ENV prefix course or 3 hrs
- GEO XXXX Any GEO prefix course or 3 hrs
- MCB XXXX Any MCB prefix course or 3 hrs
- ZOO XXXX Any ZOO prefix course or 3 hrs

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Met by graduation requirement.

Graduation
- Proficiency equivalent to one year of college instruction in 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.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 24 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:
- 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
### Related Programs
- Sociology
- Anthropology
- Statistics
- Criminal Justice

### Certificates
- Behavioral Forensics

### Related Minors
- Psychology
- Sociology
- Anthropology
- Mathematics
- Statistics

### Advising Notes
- Visit the Psychology Advising Center (PSY 250); walk-in advising available M, T, R, F from 9 to 5.
- 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 still must be taken. In addition, the advanced course is a prerequisite for some courses.
  - Statistics: any lower level STA course will satisfy the CPP. However, the course is required in the core and still must be taken. In addition, they are prerequisites for some courses.
  - DEP 2004; any lower level psychology course will fulfill the CPP. However, since this course satisfies the CPP as well as psychology restricted elective SC, 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.

### Freshman Year - Fall
- ENC 1101: Composition I (3 hrs)
- PSY 2012: General Psychology (3 hrs)
- GEP: 3 hrs
- Math: 3 hrs

### Freshman Year - Spring
- ENC 1102: Composition II (3 hrs)
- GEP: 3 hrs
- Biology: 3 hrs
- Statistics: 3 hrs

### Sophomore Year - Fall
- Restricted Elective: 3 hrs
- DEP 2004C: Developmental Psychology (3 hrs)
- GEP: 3 hrs
- Foreign Language: 4 hrs

### Sophomore Year - Spring
- Restricted Elective: 3 hrs
- Restricted Elective: 4 hrs
- Foreign Language: 4 hrs
- GEP: 3 hrs

### Junior Year - Fall
- PSB 3002: Physiological Psychology (3 hrs)
- PSY 3204C: Statistical Methods in Psychology (4 hrs)
- Restricted Elective: 3 hrs
- Restricted Elective: 3 hrs
- Elective / Minor: 3 hrs

### Senior Year - Fall
- Restricted Elective: 3 hrs
- Restricted Elective: 3 hrs
- Elective / Minor: 3 hrs
- Elective / Minor: 3 hrs
- Elective / Minor: 3 hrs

### Senior Year - Spring
- PSY 4604: History and Systems of Psychology (3 hrs)
- Restricted Elective: 3 hrs
- Restricted Elective: 3 hrs
- Elective / Minor: 3 hrs
- Elective / Minor: 3 hrs

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  - http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

### Equipment Fees
- Part-Time Student: $5.50 per term
- Full-Time Student: $11 per term

### 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

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 who change degree programs and select this major must adopt the most current catalog.
- 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)
     - Suggested: MAC 1105C College Algebra or
     - Suggested: MGF 1106 Finite Mathematics or
     - Suggested: MGF 1107 Explorations in Mathematics
   - **C: Mathematical Foundations** (6 hrs)
     - Required: CGS 1060C Introduction to Computer Science
   - **D: Social Foundations** (6 hrs)
     - Suggested: POS 2041 American National Government (3 hrs)
Select 1: 3 hrs
Suggested PSY 2012 General Psychology or 3 hrs
Suggested SYG 2000 Introduction to Sociology or 3 hrs
Suggested ANT 2000 General Anthropology 3 hrs

E: Science Foundations (6 hrs)
2. Common Program Prerequisites (CPP) (3 hrs)
■ See “Common Prerequisites” in the Transfer and Transition Services section
ECO 2013 Principles of Macroeconomics 3 hrs
CGS 1060C Introduction to Computer Science GEP
POS 2041 American National Government GEP

3. Core Requirements: Basic Level
■ Select 1: 3 hrs

4. Core Requirements: Advanced Level (21 hrs)
■ None
PAD 3003 Public Administration in American Society 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
PAD 3733 Professional Administrative Writing in the Public Sector 3 hrs

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
■ Interpersonal/Organizational Communication
■ Economics
■ Legal Studies
■ Computer Science
■ Social Work
■ Political Science
■ Criminal Justice
■ Health Services Administration
■ Management

Certificates
■ Nonprofit Management

Related Minors
■ Business
■ Economics
■ Political Science
■ Legal Studies
■ Criminal Justice
■ Urban and Regional Planning
■ Non-Profit Management/American Humanics National Certification Program
■ Emergency Management and Homeland Security

Advising Notes
■ 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)

Acceptable Substitutes for Transfer Courses
■ 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
ENC 1101 Composition I 3 hrs
CGS 1060C Introduction to Computer Science 3 hrs
POS 2041 American National Government 3 hrs
PAP 2102 Public Affairs Careers 2 hrs
Select 1: 3 hrs
ARH 2051 History of Western Art I or 3 hrs
ARH 2051 History of Western Art II or 3 hrs
MUL 2010 Enjoyment of Music or 3 hrs
REL 2300 World Religions or 3 hrs
PHI 2010 Introduction to Philosophy or 3 hrs
THE 2000 Theatre Survey or 3 hrs
LIT 2110 World Literature I or 3 hrs
LIT 2120 World Literature II 3 hrs

Freshman Year - Spring 15 hrs
ENC 1102 Composition II 3 hrs
MGF 1106 Finite Mathematics 3 hrs
Select 1: 3 hrs
PSY 2012 General Psychology or 3 hrs
SYG 2009 Introduction to Sociology or 3 hrs
ANT 2000 General Anthropology 3 hrs
Select 1: 3 hrs
CHM 1020 Concepts in Chemistry or 3 hrs
PSC 1121 Physical Science or 3 hrs
AST 2002 Astronomy or 3 hrs
Free Elective 3 hrs
### Sophomore Year - Fall
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs

#### Select 1:
- EUH 2000 Western Civilization I or 3 hrs
- HUM 2210 Humanistic Tradition I or 3 hrs
- ANH 2100 U.S. History: 1492-1877 or 3 hrs
- WOH 2012 World Civilization I 3 hrs

#### Select 1:
- BSC 1005 Biological Principles or 3 hrs
- MCB 1310 Introduction to Biotechnology and Genetic Engineering or 3 hrs
- GLY 1030 Geology and Its Applications or 3 hrs
- GEO 1200 Physical Geography or 3 hrs
- ANT 2511 The Human Species or 3 hrs
- Free Elective 3 hrs

### Sophomore Year - Spring
- PAD 3003 Public Administration in American Society 15 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs
- PAD 3733 Professional Administrative Writing in the Public Sector 3 hrs

#### Select 1:
- ANH 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

### Junior Year - Fall
- PAD 4104 Administrative Theory 15 hrs
- PAD 4414 Public Personnel Administration 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Foreign Language I or BS option 3 hrs

### Junior Year - Spring
- PAD 4034 The Administration of Public Policy 15 hrs
- PAD 4254 Fiscal Management 3 hrs
- PAD 4723 Survey Research in Public Administration 3 hrs
- Restricted Elective 3 hrs
- Foreign Language II or BS option 3 hrs

### Senior Year - Fall
- Restricted Elective 15 hrs
- Restricted Elective 3 hrs
- Upper Division Elective 3 hrs
- Upper Division Elective 3 hrs
- Upper Division Elective 3 hrs

### Senior Year - Spring
- Restricted Elective 15 hrs
- Upper Division Elective 3 hrs
- Upper Division Elective 3 hrs
- Upper Division Elective 3 hrs
- Restricted elective or PAD 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](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

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**Radio - Television (B.A.)**

**College of Sciences**

**Nicholson School of Communication, NSC, Room: 143**

[http://communication.cos.ucf.edu/](http://communication.cos.ucf.edu/)

**E-mail:** radiotv@mail.ucf.edu

Dr. W., Joe Hall, Area Coordinator, whall@mail.ucf.edu

Rebecca Morales, Academic Support, rmorales@mail.ucf.edu

407-923-2081

### Admission Requirements
- Students should apply to become Radio-Television majors only after completing all requirements for admission.

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- Attain an overall minimum 2.25/4.0 GPA based on a minimum of 30 credit hours of college work. Note: meeting the minimum GPA does not guarantee admission since students are admitted on a space available basis. The GPA cut-off varies each term with the quality of applicants, and during previous years, ranged upward from a minimum of 2.9.
- Receive a positive evaluation of other factors specified by the Nicholson School of Communication.
- 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 school permission.
- Co-op credit may be used in this major with prior approval from an R-TV advisor.
- Students must consult with a school advisor.
- 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 Nicholson 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 R-TV major under the new, desired track.
- A maximum of three credit hours of internship may be earned in one semester. Internship credit, plus all other hours taken within the school, must not exceed 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:**
   - Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs
   - Suggested SPC 1603 Fundamentals of Technical Presentations 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
   - Select a third course from GEP B2 3 hrs

   **C: Mathematical Foundations** (6 hrs)
   - Math: 3 hrs
   - You may substitute a higher level math with appropriate scores on the Math Placement Test.
   - Required MGF 1106 Finite Mathematics or 3 hrs
   - Required MGF 1107 Explorations in Mathematics 3 hrs

   **Computer Science:**
   - Prefer CGS 2100C Computer Fundamentals for Business 3 hrs
**UCF Degree Programs**

**D: Social Foundations (6 hrs)**
- Prefer POS 2041 American National Government 3 hrs
- Select a listed course 3 hrs

**E: Science Foundations (6 hrs)**

**2. Common Program Prerequisites (CPP)**
- None
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

**3. Core Requirements: Basic Level (12 hrs)**
- These courses may be taken before applying to the major.
- 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 GEP 3 hrs
- SPC 1608 Fundamentals of Oral Communication GEP 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**
- 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 3 hrs
- RTV 3228C Studio Television Production or 4 hrs
- RTV 3233C Lighting for Video or 3 hrs
- RTV 3260C Single Camera Video Production and Editing or 4 hrs
- RTV 3263C Advanced Video Post-Production or 3 hrs
- RTV 3283C Production of Interactive Multimedia or 3 hrs
- RTV 4211C Audio Production II or 3 hrs
- RTV 4280C Webcasting I or 3 hrs
- RTV 4281C Webcasting II or 3 hrs
- RTV 4284C Television Directing or 3 hrs
- RTV 4271C Radio Production and Programming or 3 hrs
- 1 RTV 3942L Practicum or 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 4802 Contemporary Media Issues and 3 hrs
- RTV 3260C Single Camera Video Production and Editing and 3 hrs
- RTV 3301 Electronic Journalism I and 3 hrs
- RTV 3304 Electronic Journalism II and 3 hrs
- RTV 4320C Television News 4 hrs

**Select from the following:**
- JOU 3004 History of American Journalism or 3 hrs
- RTV 3234C Broadcast Announcing and Performance or 3 hrs
- RTV 3422C Advanced TV News or 3 hrs
- RTV 4700 Regulation of Broadcasting or 3 hrs
- 1 RTV 4906 Directed Independent Study or 1 hr
- 1 RTV 4941 Internship 1 hr

1 May only apply a maximum of 3 hours to the requirement.

**C. Broadcast Generalist (18 hrs)**

**Select from the following:**
- ADV 4103 Radio-Television Advertising or 3 hrs
- CMC 4240 Corporate/Institutional Video or 3 hrs
- COM 3330 Computer Mediated Communication or 3 hrs
- MMC 4263 New Media Technologies or 3 hrs
- RTV 3234C Broadcast Announcing and Performance or 3 hrs
- RTV 4271C Radio Production and Programming or 3 hrs
- RTV 4700 Regulation of Broadcasting or 3 hrs
- RTV 4800 Broadcast Management or 3 hrs
- 1 RTV 4941 Internship 1 hr

Select from the following:
- ADV 3008 Principles of Advertising or 3 hrs
- COM 3110 Business and Professional Communication or 3 hrs
- ENC 3250 Professional Writing or 3 hrs
- PUR 4000 Public Relations or 3 hrs
- RTV 4503 Sports Programming in Electronic Media 3 hrs

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.
- Eight credits of American Sign Language (ASL) can satisfy this requirement for students graduating under this catalog; however it will not count toward the 65 hour Liberal Arts requirement. Consult with the NSC advising staff to understand how choosing ASL impacts hours needed to graduate.

8. Electives
- Select primarily from upper level courses, with school advisor’s approval. Must be from outside of the school in order to not exceed the 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 complement the R-TV major, but any minor except those in the Nicholson School of Communication, may be taken:
  - Digital Media
  - Film - Cinema Studies
  - Writing and Rhetoric
  - 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.

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
Senior Year - Fall 15 hrs
- Restricted Elective
- Elective / Minor
- Elective / Minor
- Elective / Minor

Junior Year - Spring 15 hrs
- Restricted Elective
- Elective / Minor
- Elective / Minor
- Elective / Minor

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

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/
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

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 (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 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 to be better in each common program prerequisites class.
- 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)

A: Communication Foundations (9 hrs)
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Required MAC 1140 Pre-Calculus Algebra 3 hrs
- Required CGS 2100C Computer Fundamentals for Business 3 hrs

C: Mathematical Foundations (6 hrs)
- Required MAC 1140 Pre-Calculus Algebra 3 hrs
- Required CGS 2100C Computer Fundamentals for Business 3 hrs

D: Social Foundations (6 hrs)
- Select 1: Suggested ECO 2023 Principles of Microeconomics 3 hrs
- Suggested ECO 2023 Principles of Microeconomics 3 hrs

E: Science Foundations (6 hrs)
- Suggested PSY 202 General Psychology or 3 hrs
- Suggested SYG 2000 Introduction to Sociology or 3 hrs
- Suggested ANT 2000 General Anthropology 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 Transition Services section for more information.

ACG 2021 Principles of Financial Accounting 3 hrs
ACG 2071 Principles of Managerial Accounting 3 hrs
ECO 2013 Principles of Macroeconomics 3 hrs
ECO 2023 Principles of Microeconomics 3 hrs
CGS 2100C Computer Fundamentals for Business 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 3 hrs
- STA 2023 Statistical Methods I 3 hrs

3. Core Requirements: Basic Level (32 hrs)
First or subsequent semester in the College of Business Administration:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 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>BUL 3130</td>
<td>Legal and Ethical Environment of Business</td>
<td>4 hrs</td>
</tr>
<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>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>
<tr>
<td>MAR 3203</td>
<td>Supply Chain Management</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

1 Required in 1st or 2nd semester

4. Core Requirements: Advanced Level (9 hrs)

Select 5:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIN 2100</td>
<td>Personal Finance and Investments</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REE 3403</td>
<td>Fundamentals of Real Estate</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REE 3433</td>
<td>Real Estate Law</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

5. Restricted Electives (15 hrs)

Select 5:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIN 3414</td>
<td>Intermediate Corporate Finance</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIN 3504</td>
<td>Investment Analysis</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAR 3391</td>
<td>Professional Selling</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REE 3614</td>
<td>Environmental Issues for Real Estate</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REE 4103</td>
<td>Real Estate Appraisal and Valuation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REE 4203</td>
<td>Commercial Real Estate Finance</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REE 4204</td>
<td>Residential Real Estate Finance</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REE 4303</td>
<td>Real Estate Investment Analysis</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REE 4732</td>
<td>Real Estate Development</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 REE 4903H</td>
<td>Honors Directed Readings I</td>
<td>1 hr</td>
</tr>
<tr>
<td>1 REE 4941</td>
<td>Internship</td>
<td>1 hr</td>
</tr>
<tr>
<td>1 REE 4970H</td>
<td>Undergraduate Honors Thesis</td>
<td>1 hr</td>
</tr>
<tr>
<td>REE 4933</td>
<td>Advanced Topics in Real Estate</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1 Must be accepted into the UCF Honors in the Major program. See http://www.honors.ucf.edu/ for details.

6. Capstone Requirements (4 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAN 4720</td>
<td>Strategic Management</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

This course should be taken in the graduating term and requires the following prerequisites:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEB 3031</td>
<td>Cornerstone: Professional Skills for Business</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAR 3023</td>
<td>Marketing</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAN 3025</td>
<td>Management of Organizations</td>
<td>4 hrs</td>
</tr>
<tr>
<td>FIN 3403C</td>
<td>Business Finance</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

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 (15 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPC 1608</td>
<td>Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 1105C</td>
<td>College Algebra</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Cult-Hist I</td>
<td>Elective</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

290 Undergraduate Catalog 2011-2012
Freshman Year - Spring 15 hrs
ENC 1102 Composition II 3 hrs
CGS 2100C Computer Fundamentals for Business 3 hrs
Cull-Mist II 3 hrs
Art/Music/Lit 3 hrs
Elec 3 hrs

Sophomore Year - Fall 15 hrs
ECO 2013 Principles of Macroeconomics 3 hrs
AG 2021 Principles of Financial Accounting 3 hrs
Science 3 hrs
Psy/Soc/Art 3 hrs
Elec 3 hrs

Sophomore Year - Spring 15 hrs
ECO 2023 Principles of Microeconomics 3 hrs
AG 2071 Principles of Managerial Accounting 3 hrs
FIN 2100 Personal Finance and Investments 3 hrs
ECC 3401 Quantitative Business Tools I 3 hrs
Science 3 hrs

Junior Year - Fall 14 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
FIN 3403C Business Finance 4 hrs

Junior Year - Spring 15 hrs
GEB 3375 Introduction to International Business 4 hrs
MAR 3023 Marketing 4 hrs
ECC 3411 Quantitative Business Tools II 4 hrs
REE Elective 3 hrs

Senior Year - Fall 15 hrs
MAN 3025 Management of Organizations 4 hrs
ISM 3011C Essentials of Management Information Systems 4 hrs
BUL 3130 Legal and Ethical Environment of Business 4 hrs
REE Elective 3 hrs

Senior Year - Spring 16 hrs
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

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

2. Mathematical Foundations (6 hrs)
   1 Prefer MGF 1106 Finite Mathematics 3 hrs
   Prefer STA 1060C Basic Statistics Using Excel 3 hrs

3. Core Requirements: Basic Level
   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 6 hrs
   REL 3131 Religion in America or
   REL 4110 Religion and the Arts or
   PHI 3703 Philosophy of Religion or
   ANT 3241 Magic, Ritual, and Belief or
   POT 4632 Religion and Politics or
   SYO 4200 Religion in Society 3 hrs

   Humanities and Classics 3 hrs
   CLT 3370 Classical Mythology or
   CLT 3378 Comparative Mythology or
   HUM 3431 Ancient Humanities or
   HUM 3435 Medieval Humanities or
   HUM 3255 Modern Humanities or
   HUM 3252 Contemporary Humanities 3 hrs

   Traditions: Religion in a Global World 9 hrs
   Select 1: 3 hrs
   JST 3401 Jewish People in Antiquity or
   JST 3402 Wanderings: The Jewish People in Dispersion

   Select 2: 6 hrs
   ANT 3245 Native American Religions or
   HUM 3401 Asian Humanities or
   HUM 3417 Hindu Thought and Culture or
   HUM 3419 Islamic Thought and Culture or
   HUM 3552 Christian Thought or
   REL 3553 Moses, Jesus and Muhammad or
   REL 3340 Buddhist Thought 3 hrs

   Applications: Topics and Issues in the Study of Religion 6 hrs
   Select 2: 6 hrs
   PHI 3033 Philosophy, Religion, and the Environment or
   REL 3115 Religion, Spirituality, and Popular Music or
   REL 3111 Religion and Philosophy Through Film or
   REL 3432 Roots of Western Mysticism or
   HUM 4554 Religious Quest and Human Dilemma or
   HUM 4303 The Spiritual Ideal or
   PHI 3672 Animal Ethics or
   REL 4180 Religion and Medicine 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: 9 hrs
   REL 4941 Internship or 1 hr
   HUM 3320 Contemporary Multicultural Studies or
   HUM 4301 The Classical Ideal or
   HUM 4330 Performance Theory or
   PHI 4321 Philosophies of Embodiment: Mind/Body/Self or

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. Sabatino DiBernardo, sdbenma@mail.ucf.edu, 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 applied to the B.A. in Religious Studies may be simultaneously applied to fulfill another major.
UCF Degree Programs

PHI 3629 Family Values or
PHI 3638 Ethical Issues in the 21st Century or
PHI 3684 Ways of Living or
PHM 3020 Philosophy of Love or
PHI 4341 Ways of Knowing or
PHI 4804 Critical Theory or
PHM 3100 Freedom and Justice or
PHP 3786 Existentialism or
AML 3615 Harlem, Haiti, and Havana or
ASH 3222 Islam and Its Empires or
ASH 3223 The Modern Middle East or
JST 3100 The Hebrew Creative Mind or
JST 3125 The Book of Job or
JST 3144 Dead Sea Scrolls or
JST 3450 Modern Jewish Experience or
JST 3550 Introduction of Modernism into Judaism or
JST 3701 History of the Holocaust or
JST 3751 Literature of the Holocaust or
JST 3810 The Jewish National Movement and Roots of Zionism or
LIT 4374 Literature of the Bible or
LIT 3202 Death and Dying

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 4970H Undergraduate Honors Thesis 1 hr
      REL 4910 Senior Research Seminar
      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

Honors in Major
■ 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 36 hrs
  ■ Same requirement as for regular majors
  Honors Thesis 6 hrs
  REL 4903H Honors Directed Readings I 3 hrs
  REL 4970H Undergraduate Honors Thesis 3 hrs

Additional Requirements
■ Application and admission through the Humanities Honors Coordinator and the Burnett Honors College.
■ Fulfill University requirements for Honors in the Major.
■ Maintain a UCF GPA of at least 3.2 and a Religious Studies GPA of at least 3.5.
■ Successful completion and oral defense of Honors Thesis.
■ Earn a “B” (3.0) or better in both of the following:
  REL 4903H Honors Directed Readings I 3 hrs
  REL 4970H Undergraduate Honors Thesis 3 hrs

Related Programs
■ Interdisciplinary Studies
■ Philosophy
■ Humanities

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 16 hrs
   ENC 1101 Composition I 3 hrs
   HUM 2210 Humanistic Tradition I 3 hrs
   MGF 1106 Finite Mathematics 3 hrs
   REL 2300 World Religions 3 hrs
   SPN 1120C Elementary Spanish Language and Civilization I 4 hrs

Freshman Year - Spring 16 hrs
   ENC 1102 Composition II 3 hrs
   HUM 2220 Humanistic Tradition II 3 hrs
   STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
   Restricted Elective 3 hrs
   SPN 1121C Elementary Spanish Language and Civilization II 4 hrs

Sophomore Year - Fall 15 hrs
   GEP 3 hrs
   GEP 3 hrs
   GEP 3 hrs
   Restricted Elective 3 hrs
   Restricted Elective 3 hrs

Sophomore Year - Spring 15 hrs
   GEP 3 hrs
   GEP 3 hrs
   Restricted Elective 3 hrs
   Restricted Elective 3 hrs
   Restricted Elective 3 hrs

Junior Year - Fall 15 hrs
   Restricted Elective 3 hrs
   Restricted Elective 3 hrs
   Restricted Elective 3 hrs
   Restricted Elective 3 hrs
   Junior Year - Spring 15 hrs
   Restricted Elective 3 hrs
   Restricted Elective 3 hrs
   Restricted Elective 3 hrs
   Restricted Elective 3 hrs

Senior Year - Fall 15 hrs
   Restricted Elective 3 hrs
   Restricted Elective 3 hrs

UNIVERSITY OF CENTRAL FLORIDA
292 Undergraduate Catalog 2011-2012
### 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)

### 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](http://www.hospitality.ucf.edu)

E-mail: hospitality@mail.ucf.edu

Dr. Joe Hutchinson, Department Chair
Dr. Abraham Pizam, Dean
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 (6 hrs)
  - Required: MAC 1105C College Algebra 3 hrs

#### 2. Social Foundations (6 hrs)
- Select 1: 3 hrs
  - Required: ECO 2013 Principles of Macroeconomics 3 hrs
  - Required: ECO 2023 Principles of Microeconomics 3 hrs

#### 3. Core Requirements: Basic Level (55 hrs)
- **HFT 2220** Hospitality Human Resources Management 3 hrs
- **HFT 3444** Hospitality Information Systems 3 hrs
- **HFT 3603** Legal Environment in the Hospitality and Tourism Industry 3 hrs
- **HFT 3431** Hospitality industry Managerial Accounting 3 hrs
- **HFT 3540** Guest Services Management I 3 hrs
- **HFT 4464** Hospitality Industry Finance 3 hrs
- **HFT 4286** Hospitality Communications 3 hrs
- **HFT 4285** Leadership and Strategic Management in Hospitality Industry 3 hrs

#### Internships
- **HFT 3590** Internship 1 hr
- **HFT 4941** Internship 1 hr
- **HFT 4944** Practicum 1 hr

#### Restaurant Management Core
- **FSS 3124** Supply and Procurement Management 3 hrs
- **HFT 3263** Restaurant Management 3 hrs
- **HFT 3574** Food Service Marketing Advertising and Promotion Management 3 hrs
- **HFT 4457** Food, Beverage, and Labor Cost Controls 3 hrs
- **HFT 4861C** Beverage Management 3 hrs
- **HFT 4844** Sanitation in the Food Service Industry 3 hrs

#### 5. Restricted Electives (15 hrs)
- Select 5: 15 hrs
  - **FSS 3008** Culture and Cuisine 3 hrs
  - **FSS 4135** Corporate Contract and Managed Services Organizations or 3 hrs
  - **FSS 4286C** Catering and Banquet Organization or 3 hrs
  - **HFT 3654** Franchising in the Restaurant Industry or 3 hrs
  - **HFT 3869** History and Culture of Wine or 3 hrs
  - **HFT 4266** Restaurant Brand Management or 3 hrs
  - **HFT 4268** Case Studies in Restaurant Management or 3 hrs
  - **HFT 4261** Restaurant Leadership Strategies and Tactics or 3 hrs
  - **HFT 4343** Hospitality Facilities Planning and Design or 3 hrs
  - **HFT 4864** Seminar in Quality Brewing and Fine Beer or 3 hrs
  - **HFT 4866C** Exploring Wines of the World or 3 hrs
  - **HFT 4894** International Gastronomy or 3 hrs
  - **HUN 3013** Nutrition Concepts and Issues in the Food Service Industry 3 hrs

#### 6. Capstone Requirements
- None

#### 7. Foreign Language Requirements
- 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.)

#### Graduation
- None

#### 8. Electives
- 3-11 hours as necessary to result in 120 total credit hours.

#### 9. Additional Requirements
- Final exams will be given during Exam Week only.
- Transfer students to this program must take a minimum of thirty (30) credit hours in Hospitality Management classes at UCF.

#### 10. Required Minors
- None

#### 11. Departmental Exit Requirements
- None

### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 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**
- 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
- **15 hrs**
  - ENC 1101 Composition I 3 hrs
  - HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs
  - CGS 2100C Computer Fundamentals for Business 3 hrs

#### Select 1:
- **3 hrs**
  - PSY 2012 General Psychology or
  - SYG 2000 Introduction to Sociology or
  - ANT 2000 General Anthropology

#### Freshman Year - Spring
- **15 hrs**
  - ENC 1102 Composition II 3 hrs
  - SPC 1608 Fundamentals of Oral Communication 3 hrs
  - MAC 1105 College Algebra 3 hrs

#### Sophomore Year - Fall
- **15 hrs**
  - HFT 2401 Hospitality Industry Financial Accounting 3 hrs
  - HFT 2220 Hospitality Human Resources Management 3 hrs
  - HFT 3263 Restaurant Management 3 hrs

#### Select 1:
- **3 hrs**
  - ECO 2013 Principles of Macroeconomics or
  - ECO 2023 Principles of Microeconomics

#### Sophomore Year - Spring
- **15 hrs**
  - HFT 2500 Hospitality and Tourism Marketing 3 hrs
  - HFT 3444 Hospitality Information Systems 3 hrs
  - FSS 3124 Supply and Procurement Management 3 hrs
  - ANT 2511 The Human Species 3 hrs

#### Junior Year - Fall
- **12 hrs**
  - HFT 3540 Guest Services Management I 3 hrs
  - HFT 3431 Hospitality industry Managerial Accounting 3 hrs
  - HFT 3574 Food Service Marketing Advertising and Promotion Management 3 hrs
  - HFT 3603 Legal Environment in the Hospitality and Tourism Industry 3 hrs
  - HFT 3940 Internship 1 hr

#### Junior Year - Spring
- **13 hrs**
  - HFT 4457 Food, Beverage, and Labor Cost Controls 3 hrs
  - HFT 4844 Sanitation in the Food Service Industry 3 hrs
  - HFT 4861C Beverage Management 3 hrs
  - HFT 4941 Internship 1 hr

#### Senior Year - Fall
- **16 hrs**
  - HFT 4286 Hospitality Communications 3 hrs
  - HFT 4944 Practicum 1 hr
  - HFT 4464 Hospitality Industry Finance 3 hrs

<table>
<thead>
<tr>
<th>Year</th>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Senior Year - Spring</td>
<td>HFT 4295 Leadership and Strategic Management in Hospitality Industry</td>
<td>15 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.o eas.ucf.edu/alc/academic_learning_compacts.htm](http://www.o eas.ucf.edu/alc/academic_learning_compacts.htm)

**Equipment Fees**
- Part-Time Student: $37.50 per term
- Full-Time Student: $75 per term

### Science Education - Biology (B.S.)

**College of Education**

**School of Teaching, Learning, and Leadership, Education Building, Room: 209**


Dr. Janet Andreasen, ED 123Q, jandreas@mail.ucf.edu, 407-823-5430 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)**
   - **37 hrs**
   - Note: Students are advised to take the preferred courses.

   **A: Communication Foundations**
   - **9 hrs**
   - Required ENC 1101 Composition I 3 hrs
   - Required ENC 1102 Composition II 3 hrs
   - Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

   **B: Cultural & Historical Foundations**
   - **9 hrs**
   - Prefer AMH 2020 U.S. History: 1877-Present 3 hrs
   - Prefer PHI 2010 Introduction to Philosophy 3 hrs

   **C: Mathematical Foundations**
   - **6 hrs**
   - Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
   - Prefer STA 2041 American National Government 3 hrs

   **Select 1:**
   - **3 hrs**
   - Prefer STA 1060C Basic Statistics Using Microsoft Excel or
   - Prefer STA 2041 American National Government

   **Select 1:**
   - **3 hrs**
   - Suggested MGF 1106 Finite Mathematics or
   - Suggested MGF 1107 Explorations in Mathematics

2. **Social Foundations**
   - **6 hrs**
   - Prefer POS 2041 American National Government 3 hrs
   - Prefer PSY 2012 General Psychology 3 hrs

   **E: Science Foundations**
   - **7 hrs**
   - Required PSC 1121 Physical Science 3 hrs
   - Required BSC 2010C Biology I 4 hrs

   1 A grade of "C-" (1.75) is required.

2. **Common Program Prerequisites (CPP)**
   - 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 (12 hrs)
- Transfer Notes: Courses taken at community colleges may substitute for select courses in this section with the permission of the department.
- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- BSC 2010C Biology I GEP 4 hrs
- BSC 2011C Biology II 4 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- PSC 1121 Physical Science 1 hr

4. Core Requirements: Advanced Level (62 hrs)

Education Core Requirements 18 hrs
- Program Internship I Prerequisites: EDF 4410, TSL 4080 and at least 50% of all required biology courses must be completed prior to Internship I. 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, TSL 4080 and at least 50% of all required biology courses must be completed prior to Internship I with a minimum grade of a “C-” (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization, and overall for admission to Internship I.
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II. A minimum GPA of 2.5 is required in the professional, specialization, and overall for admission to Internship II.

Internship I Block 7 hrs
- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Exam (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/)
- SCE 4360 Science Instructional Analysis 4 hrs
- SCE 3940 Internship 3 hrs

Specialization Requirements 25 hrs
- CHM 2205 Introduction to Organic and Biochemistry 5 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- PCB 3044 Principles of Ecology 3 hrs
- PCB 3044L Principles of Ecology Laboratory 1 hr
- MCB 3020C General Microbiology 5 hrs
- SCE 4361 Programs in Teaching Science 3 hrs

Select 1: 4 hrs
- PCB 3703C Human Physiology or 4 hrs
- ZOO 3733C Human Anatomy or 4 hrs
- PCB 3063 Genetics & PCB 3063L Genetics Lab 4 hrs

Internship II 12 hrs
- At least 80% of all required biology courses and all methods courses must be completed with a letter grade of “C-” (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization, and overall for admission to Internship II.
- Passing 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.
- Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship I. Graduation
- 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.
- 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
- AMH 2010 U.S. History: 1492-1877 3 hrs
- ENC 1101 Composition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- PSY 2012 General Psychology 3 hrs

Freshman Year - Spring
- AMH 2020 U.S. History: 1877-Present 3 hrs
- ENC 1102 Composition II 3 hrs
- PHI 2010 Introduction to Philosophy 3 hrs
UCF Degree Programs

PSC 1121 Physical Science 3 hrs
PSC 1121L Physical Science Lab 1 hr
SPC 1608 Fundamentals of Oral Communication 3 hrs

Freshman Year - Summer 6 hrs
POS 2041 American National Government 3 hrs
1 EDF 2130 Child and Adolescent Development for Educators 3 hrs

Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

Sophomore Year - Fall 14 hrs
BSC 2010C Biology I 4 hrs
CHM 2045C Chemistry Fundamentals I 4 hrs
EDF 2005 Introduction to the Teaching Profession 3 hrs
Select 1: 3 hrs
STA 2014C Principles of Statistics or STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

Sophomore Year - Spring 15 hrs
BSC 2011C Biology II 4 hrs
CHM 2203 Introduction to Organic and Biochemistry 5 hrs
EDF 2085 Introduction to Diversity for Educators 3 hrs
EME 2040 Introduction to Technology for Educators 3 hrs

Sophomore Year - Summer 3 hrs
TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

Junior Year - Fall 14 hrs
EDF 4467 Learning Theory and Assessment 3 hrs
EDG 4410 Teaching Strategies and Classroom Management 3 hrs
PCB 3044 Principles of Ecology 3 hrs
PCB 3044L Principles of Ecology Laboratory 1 hr
Select one of the following sequences of courses:
PCB 3063 Genetics and 3 hrs
PCB 3063L Genetics Laboratory 1 hr
or
PCB 3703C Human Physiology 4 hrs
or
ZOO 3733C Human Anatomy 4 hrs

Junior Year - Spring 12 hrs
MCB 3020C General Microbiology 5 hrs
CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory 1 hr
SCE 3061 Programs in Teaching Science 3 hrs

Junior Year - Summer 3 hrs
RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs

Senior Year - Fall 13 hrs
EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
SCE 3940 Internship 3 hrs
SCE 4260 Science Instructional Analysis 4 hrs
EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs

Senior Year - Spring 12 hrs
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 - Chemistry (B.S.)
College of Education
School of Teaching, Learning, and Leadership, Education Building, Room: 209
http://education.ucf.edu/science/
Dr. Janet Andreasen, ED 123Q, jandreas@mail.ucf.edu, 407-823-5430
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) (37 hrs)

A: Communication Foundations (9 hrs)
Required: ENC 1101 Composition I 3 hrs
Required: ENC 1102 Composition II 3 hrs
Required: STA 1060C Basic Statistics Using Microsoft Excel or
Prefer: STA 2014C Principles of Statistics 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)
Required: MAC 1114 College Trigonometry 3 hrs

Select 1:

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)
1 Required: BSC 2010C Biology I 4 hrs
2 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
Required: EDF 2085 Introduction to Diversity for Educators 3 hrs
Required: EDF 2130 Child and Adolescent Development for Educators 3 hrs

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.
EDF 2130 Child and Adolescent Development for Educators 3 hrs
CHM 2045C Chemistry Fundamentals I 4 hrs
PSC 1121 Physical Science GEP  
PSC 1121L Physical Science Lab 1 hr  
BSC 2010C Biology I GEP  
MAC 1114 College Trigonometry GEP

4. Core Requirements: Advanced Level (66 hrs)

Education Core Requirements 18 hrs
- Program Internship I Prerequisites: EDG 4410, TSL 4080 and at least 50% of all required chemistry courses must be completed prior to Internship I with a minimum grade of "C-" (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
- Passing score on the 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

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/
- SCE 4360 Science Instructional Analysis 4 hrs
- SCE 3940 Internship 3 hrs

Specialization Requirements 29 hrs
- CHM 2046 Chemistry Fundamentals I 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- PHY 2053C College Physics I 4 hrs
- CHM 3120L Analytical Chemistry Laboratory 3 hrs
- CHM 2210 Organic Chemistry I 3 hrs
- CHM 2211 Organic Chemistry II 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs
- CHS 3501 Introduction to Forensic Science 3 hrs
- BCH 4033 Biochemistry I 3 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. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/.
- Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education Rule 6A-5.066.
- SCE 4941 Internship 12 hrs

5. Restricted Electives
- None

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation
- None

8. Electives
- None

9. Additional Requirements

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)

- Recommended Four Year Sequence of Courses

Freshman Year - Fall
- AMH 2010 U.S. History: 1492-1877 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

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- MAC 1114 College Trigonometry 3 hrs
- PHI 2010 Introduction to Philosophy 3 hrs
- AMH 2020 U.S. History: 1877-Present 3 hrs

Freshman Year - Summer
- POS 2041 American National Government 3 hrs

Select 1:
- STA 2044 Principles of Statistics or 3 hrs
- STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

Sophomore Year - Fall
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- BSC 2010C Biology I 4 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

UNIVERSITY OF CENTRAL FLORIDA

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## UCF Degree Programs

### Sophomore Year - Spring
- **CHM 2046** Chemistry Fundamentals II 3 hrs
- **CHM 2046L** Chemistry Fundamentals Laboratory 1 hr
- **EDF 2085** Introduction to Diversity for Educators 3 hrs
- **EME 2040** Introduction to Technology for Educators 3 hrs

### Senior Year - Spring
- **EDF 2130** Child and Adolescent Development for Educators 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.

### Junior Year - Fall
- **CHM 2211** Organic Chemistry I 3 hrs
- **CHM 2211L** Organic Laboratory Techniques I 2 hrs
- **EEX 4242** Teaching Exceptional Students in Secondary Settings 3 hrs

### Junior Year - Spring
- **CHM 2210** Organic Chemistry II 3 hrs
- **CHM 3120** Analytical Chemistry 3 hrs
- **CHM 3120L** Analytical Chemistry Laboratory 1 hr

### Sophomore Year - Summer
- **PHY 2053C** College Physics I 4 hrs

### Junior Year - Summer
- **TSL 4080** Teaching Exceptional Students in Schools 3 hrs

### Senior Year - Fall
- **BCH 4053** Biochemistry I 3 hrs
- **EDF 4467** Learning Theory and Assessment 3 hrs
- **EEX 4941** Internship 12 hrs

### Senior Year - Spring
- **SCE 4361** Programs in Teaching Science 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](http://www.oes.ucf.edu/alc/academic_learning_compacts.htm)

### Science Education - Physics (B.S.)

#### College of Education

**School of Teaching, Learning, and Leadership, Education Building, Room: 209**


Dr. Janet Andreassen, ED 123Q, janandreas@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 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.

#### Education Core Requirements (18 hrs)

- 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.

#### Core Requirements: Basic Level (8 hrs)

- **EDF 2130** Child and Adolescent Development for Educators 3 hrs
- **PHY 2048C** Physics for Engineers & Scientists I 4 hrs
- **PSC 1121L** Physical Science Lab 1 hr
- **MAC 2311** Calculus with Analytic Geometry I GEP

#### Core Requirements: Advanced Level (66 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
12. University Minimum Exit Requirements

- Examination.
- in the 12 Florida Educator Accomplished Practices.
- requires demonstration of professional growth, reflection, and proficiency.

11. Departmental Exit Requirements

10. Required Minors

9. Additional Requirements

8. Electives

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

5. Restricted Electives

4. Capstone Requirements

3. Specialization Requirements

2. Restricted Electives

1. Related Programs

- Course taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

Sophomore Year - Fall

Sophomore Year - Spring

Sophomore Year - Summer

Junior Year - Fall

- 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

(view full table)

Freshman Year - Fall

Freshman Year - Spring

Freshman Year - Summer

Sophomore Year - Fall

Sophomore Year - Spring

Sophomore Year - Summer

Junior Year - Fall

Plan of Study (120 hrs)

Undergraduate Catalog 2011-2012
UCF Degree Programs

Junior Year - Spring 13 hrs
EDF 4467 Learning Theory and Assessment 3 hrs
RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
PHY 2049C Physics for Engineers and Scientists II 4 hrs
SCE 4361 Programs in Teaching Science 3 hrs

Junior Year - Summer 3 hrs
PHY 3101 Physics for Engineers and Scientists III 3 hrs

Senior Year - Fall 13 hrs
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
Select 1: 3 hrs
PHY 3752C Physics of Scientific Instruments or 3 hrs
PHY 3722C Physics Laboratory-Electronics 3 hrs

Senior Year - Spring 12 hrs
SCE 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

Social Science Education (B.S.)
College of Education
School of Teaching, Learning, and Leadership, Education Building, Room: 209
http://education.ucf.edu/ssed/
Dr. Scott Waring, ED 206J, swaring@mail.ucf.edu, 407-823-1766
Dr. Janet Andreaen, 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
Preferred 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
Preferred 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 3 hrs
Prefer STA 2014C Principles of Statistics 3 hrs

D: Social Foundations
- Select 1: 3 hrs
Suggested MGF 1106 Finite Mathematics or 3 hrs
Suggested MGF 1107 Explorations in Mathematics 3 hrs

E: Science Foundations
- Select 1: 3 hrs
Prefer POS 2041 American National Government 3 hrs
Prefer PSY 2012 General Psychology 3 hrs

2. Common Program Prerequisites (CPP) (9 hrs)
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

3. Core Requirements: Basic Level (9 hrs)
- Student should consult advisor regarding course options.
- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- SYG 2000 Introduction to Sociology 3 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs

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.

Internship I Block 6 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/clinicalexpcp/

Specialization Requirements 30 hrs
- GEO 3471 World Political Geography 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs
- EUH 2000 Western Civilization I 3 hrs
- EUH 2001 Western Civilization II 3 hrs
AMH 2010  U.S. History: 1492-1877  GEP
AMH 2020  U.S. History: 1877-Present  GEP
PSY 2012  General Psychology  GEP
PSC 1121  American National Government  GEP
SSE 4306  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.
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.

SSE 4941 Internship 12 hrs

5. Restricted Electives
None

6. Capstone Requirements
None

7. Foreign Language Requirements
Admissions
State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation
None

8. Electives
None

9. Additional Requirements
None

10. Required Minors
None

11. Departmental Exit Requirements
Achieve a minimum 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)

Freshman Year - Fall 12 hrs
AMH 2010  U.S. History: 1492-1877  3 hrs
MGF 1106  Finite Mathematics  3 hrs
PSY 2012  General Psychology  3 hrs

Freshman Year - Spring 12 hrs
AMH 2020  U.S. History: 1877-Present  3 hrs
ENC 1102  Composition II  3 hrs
POS 2041  American National Government  3 hrs

Select 1: 3 hrs
ANT 2511 The Human Species  3 hrs
BSC 1006 Biological Principles  3 hrs

Freshman Year - Summer 6 hrs
SSE 4941 Internship II  12 hrs

Sophomore Year - Fall 15 hrs
EDF 2005 Introduction to the Teaching Profession  3 hrs
ECON 2013 Principles of Microeconomics  3 hrs
PSC 1121 Physical Science  3 hrs
SYG 2000 Introduction to Sociology  3 hrs

Select 1: 3 hrs
STA 1060C Basic Statistics Using Microsoft Excel or  3 hrs
STA 2014C Principles of Statistics  3 hrs

Sophomore Year - Spring 12 hrs
EDF 2085 Introduction to Diversity for Educators  3 hrs
EME 2040 Introduction to Technology for Educators  3 hrs
1 EDF 2130 Child and Adolescent Development for Educators  3 hrs

Sophomore Year - Summer 9 hrs
EUH 2000 Western Civilization I  3 hrs
TSL 4080 Theory and Practice of Teaching ESOL Students in Schools  3 hrs
Political Science Elective (CPO, INR, POS 3/4XXX)  3 hrs

Junior Year - Fall 15 hrs
EDG 4410 Teaching Strategies and Classroom Management  3 hrs
SSE 4936 Programs in Teaching Social Science  3 hrs
EUH 2001 Western Civilization II  3 hrs
Upper Division Non-Western History Elective (AFH, ASH, LAH 3/4XXX)  3 hrs

Junior Year - Spring 12 hrs
SSE 4306 Social Science Instructional Analysis  4 hrs
SSE 3940 Internship  3 hrs
GEO 3471 World Political Geography  3 hrs
RED 4043 Content Reading in Kindergarten through Grade 12  3 hrs

Senior Year - Fall 12 hrs
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

1 Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.
UCF Degree Programs

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
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
- None

Students who change degree programs and select this major must meet with a departmental advisor. Courses may be outside the areas.

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

Complete one of the following:
3 hrs
1 Suggested SPC 1608 Fundamentals of Oral Communication or
Suggested SPC 1603 Fundamentals of Technical Presentations or
Preferred COM 1000 Introduction to Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

Statistics:
- Required STA 2014C Principles of Statistics or 3 hrs
- Required STA 2023 Statistical Methods I 3 hrs

Math:
- 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
- Required PSY 2012 General Psychology or 3 hrs
- Required SYG 2000 Introduction to Sociology 3 hrs

E: Science Foundations (6 hrs)

Select at least three of the following, depending on concentrations to be taken:
- Required ANT 2000 General Anthropology or 3 hrs
- Required POS 2041 American National Government or 3 hrs
- Required PSY 2012 General Psychology or 3 hrs
- Required SPC 1608 Fundamentals of Oral Communication or 3 hrs
- Required SYG 2000 Introduction to Sociology 3 hrs

4. Core Requirements: Advanced Level (57 hrs)

Select one methods’ course:
3 hrs
- Required PSY 2012 General Psychology or
- Required STA 2014C Principles of Statistics or

Required Minors:
- None

6. Capstone Requirements
- Students will be required to take a standardized exit exam in their graduating semester.

7. Foreign Language Requirements
- Proficiency equivalent to one year of college instruction in either a foreign language, two semesters equivalent of American Sign Language, or one course with a multicultural dimension. Standardized examinations may be used to meet the requirement.

8. Electives
- Students will be required to take a standardized exit exam in their graduating semester.

9. Additional Requirements
- None

10. Required Minors
- Three minors are to be selected from the following listing:
  Preferred MGF 1107 Explorations in Mathematics 3 hrs
  Required POS 2041 American National Government 3 hrs

For more information, visit the Sociology Department's website or contact Dr. H. Corzine at sociology@mail.ucf.edu.
### Undergraduate Catalog 2011-2012

#### Sociology

- Political Science/Prelaw
- Psychology
- Sociology

#### 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
- Political Science
- Psychology
- Public Administration
- Sociology

#### Certificates

- None

#### Related Minors

- Anthropology
- Interpersonal/Organizational Communication
- Economics
- 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.
- Transfer courses must be evaluated for equivalency credit and/or for use in the degree program. The student must provide all supporting information.

#### Acceptable Substitutes for Transfer Courses

- Any two introductory Social Sciences courses could meet CPP requirements. However, the indicated courses are prerequisites for subsequent courses and must be taken.

#### Plan of Study

- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

### Freshman Year - Fall

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<td>MGF 1107 Explorations in Mathematics</td>
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<td>GEP</td>
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### Freshman Year - Spring

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<td>ENC 1102 Composition II</td>
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<td>GEP</td>
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### Sophomore Year - Fall

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### Sophomore Year - Spring

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### Junior Year - Fall

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<tr>
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<td>Elective / Minor</td>
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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>Elective / Minor</td>
<td>3 hrs</td>
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<tr>
<td>Free Elective</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.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**


**E-mail: socialwk@mail.ucf.edu**

John Ronnau, Director

Robin Kohn, Undergraduate Program Coordinator

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.
## UCF Degree Programs

- 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 80 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)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOW 3300</td>
<td>Practice I: Generalist Practice in Social Work</td>
<td>9 hrs</td>
</tr>
<tr>
<td>SOW 4510</td>
<td>Field Education</td>
<td>9 hrs</td>
</tr>
<tr>
<td>SOW 4522</td>
<td>Field Education Seminar</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SOW 4343</td>
<td>Macro-Level Roles and Interventions in Social Work</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SOW 4341</td>
<td>Micro-Level Roles and Interventions in Social Work</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### 2. Common Program Prerequisites (CPP) (6 hrs)

- See Transfer Notes
- 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>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>POS 2041</td>
<td>American National Government</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BSC 1005</td>
<td>Biological Principles</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### 3. Core Requirements: Basic Level

- None

#### 4. Core Requirements: Advanced Level (45 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOW 3104</td>
<td>Assessing I: Human Development</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SOW 3203</td>
<td>Social Work &amp; Community Resources</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SOW 3300</td>
<td>Practice I: Generalist Practice in Social Work</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SOW 3111</td>
<td>Assessing II: Human Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SOW 3532</td>
<td>Practice II: Interpersonal Skills in Social Work</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SOW 3401</td>
<td>Social Work Research</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SOW 3620</td>
<td>Social Work with Diverse Populations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SOW 4730</td>
<td>Documentation in Social Work Practice</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SOW 4232</td>
<td>Social Welfare Policies and Issues</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### 5. Restricted Electives (3 hrs)

- Select three hours in consultation with faculty advisor.

#### 6. Capstone Requirements

- None

#### 7. Foreign Language Requirements

- None

#### 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.
- 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
Plan of Study

**Freshman Year - Fall**
- ENC 1101 Composition I 3 hrs
- BSC 1005 Biological Principles 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- PAF 2102 Public Affairs Careers 2 hrs
- Select 1: 3 hrs
  - SYG 2000 Introduction to Sociology or 3 hrs
  - PSY 2012 General Psychology 3 hrs

**Freshman Year - Spring**
- ENC 1102 Composition II 3 hrs
- STA 2014 Principles of Statistics 3 hrs
- POS 2041 American National Government 3 hrs
- Select 1: 3 hrs
  - PSY 2012 General Psychology or 3 hrs
  - SYG 2000 Introduction to Sociology 3 hrs

**Sophomore Year - Fall**
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- SOW 2020 Careers in Creating Social Change 3 hrs
- Select 1: 3 hrs
  - ECO 2013 Principles of Macroeconomics or 3 hrs
  - ECO 2023 Principles of Microeconomics 3 hrs

**Sophomore Year - Spring**
- WOH 2012 World Civilization I or 3 hrs
- SYG 2000 Introduction to Sociology or 3 hrs
- Select 1: 3 hrs
  - EUH 2001 World Civilization II or 3 hrs
  - HUM 2230 Humanistic Traditions II or 3 hrs
  - AMH 2020 U.S. History: 1877-Present or 3 hrs
  - Foreign Language I or Cultural Diversity 3 hrs

**Sophomore Year - Summer**
- Select 1: 3 hrs
  - SOW 3104 Assessing I: Human Development or 3 hrs
  - SOW 3300 Practice I: Generalist Practice in Social Work or 3 hrs

**Junior Year - Fall**
- SOW 3620 Social Work with Diverse Populations 3 hrs
- SOW 3620 Social Work Electives 3 hrs
- Junior Year - Spring
- SOW 3620 Social Work with Diverse Populations 3 hrs

**Junior Year - Summer**
- SOW 4941 Internship 4 hrs

**Senior Year - Fall**
- SOW 4341 Micro-Level Roles and Interventions in Social Work 3 hrs
- SOW 4343 Macro-Level Roles and Interventions in Social Work 3 hrs

**Senior Year - Spring**
- SOW 4941 Internship 3 hrs

**Related Programs**
- Criminal Justice
- Psychology
- Sociology
- Public Administration

**Certificates**
- Aging Studies
- Children’s Services

**Related Minors**
- Health Services Administration
- Aging Studies
- Psychology
- Sociology
- American Humanics
- Non-Profit Management/American Humanics National Certification Program

**Advising Notes**
- None

**Transfer Notes**
- Community College Equivalent courses for prerequisites: any course in the following areas (3 hrs each): American Government or American National Government; Biology (Human Biology or Anatomy & Physiology); Economics (Microeconomics or Macroeconomics); Introductory Psychology; Introductory Sociology; Principles of Statistics

**Acceptable Substitutes for Transfer Courses**
- None

**Honors in Major**
- Complete a three-credit directed reading course/or a three-credit Honors 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

**COHPA Interdisciplinary Honor Course**
- None

**Honors in Major**
- Complete the General Education Program, the Gordon Rule, the World Civilization 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)
# Sociology Degree Programs

**Sociology (B.A.)**

**College of Sciences**

**Department of Sociology**

[http://sociology.ucf.edu/](http://sociology.ucf.edu/)

E-mail: sociology@mail.ucf.edu

Dr. J. Corzine, hcorzine@ucf.edu

407-823-3744

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, 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 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 qualitative and quantitative research methods, communication, and analytical thinking as well as acquiring written and oral presentational 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, 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. Such as, the B.A. in Sociology provides excellent grounding 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, 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 which today's employers are looking and are also essential for success in graduate and professional programs.

## 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.
- **Internship:** 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 internships 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)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 2. Common Program Prerequisites (CPP) (3 hrs)

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information, including possible substitutions.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 3. Core Requirements: Basic Level (GEP/CPP) (12 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SYA 3110</td>
<td>Social Theory</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 4. Core Requirements: Advanced Level (12 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SYA 4300C</td>
<td>Research Methods</td>
<td>4 hrs</td>
</tr>
<tr>
<td>SYA 4450</td>
<td>Data Analysis</td>
<td>4 hrs</td>
</tr>
<tr>
<td>SYA 3110</td>
<td>Social Theory</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYA 3400C</td>
<td>Applied Social Statistics</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

### 5. Restricted Electives (27 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SYA 3400C</td>
<td>Research Methods</td>
<td>4 hrs</td>
</tr>
<tr>
<td>SYA 4450</td>
<td>Data Analysis</td>
<td>4 hrs</td>
</tr>
<tr>
<td>SYA 3110</td>
<td>Social Theory</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYA 3400C</td>
<td>Applied Social Statistics</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 6. Capstone Requirements

- **None**

### 7. Foreign Language Requirements

**Admissions**

- Met by graduation requirement.

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**Department of Sociology**

**College of Sciences**

**Sociology (B.A.)**

**E-mail:** sociology@mail.ucf.edu

Dr. J. Corzine, hcorzine@ucf.edu

407-823-3744

**UCF Degree Programs**

**Sociology (B.A.)**

**College of Sciences**

**Department of Sociology**

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407-823-3744

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## Degree Requirements

### Freshman Year - Fall
- **ENC 1101**: Composition I 3 hrs
- **MAC 1105C**: College Algebra 3 hrs
- **SYG 2000**: Introduction to Sociology 3 hrs
- **Foreign Language** 4 hrs
- **GEP** 3 hrs

### Sophomore Year - Fall
- **SYG 2000**: Introduction to Sociology 3 hrs
- **SYP course** 3 hrs
- **Restricted Elective** 3 hrs
- **Free Elective** 3 hrs
- **Free Elective** 3 hrs

### Sophomore Year - Spring
- **SYA 3110**: Social Theory 3 hrs
- **SYA 4450**: Data Analysis 4 hrs
- **Free Elective** 4 hrs

### Junior Year - Fall
- **GEP** 3 hrs
- **SYA 4300C**: Research Methods 4 hrs
- **Required Elective** 3 hrs
- **Restricted Elective** 3 hrs
- **Free Elective** 3 hrs

### Junior Year - Spring
- **Free Elective** 3 hrs
- **SYA 3400C**: Applied Social Statistics 4 hrs
- **GEP** 3 hrs

### Senior Year - Fall
- **Restricted Elective** 3 hrs
- **Restricted Elective** 3 hrs
- **Free Elective** 3 hrs
- **Free Elective** 3 hrs

### Senior Year - Spring
- **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/aclcacademic_learning_comпacts.htm](http://www.oeas.ucf.edu/aclcacademic_learning_comпacts.htm)

### Equipment Fees
- Part-Time Student: $7.50 per term
- Full-Time Student: $15 per term

### Spanish (B.A.)

#### College of Arts and Humanities

#### Department of Modern Languages and Literatures,

Colbourn Hall, Room: 523


E-mail: forlang@mail.ucf.edu

Dr. Paul Giordano
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.
UCF Degree Programs

- 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 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.
   - SPN 1120C Elementary Spanish Language and Civilization I
   - SPN 1121C Elementary Spanish Language and Civilization II
   - SPN 2200 Intermediate Spanish Language and Civilization I
   - SPN 3234

1 May be met by proficiency test or completion of SPN 3234

3. Core Requirements: Basic Level
   SPN 3234 Advanced Directed Readings 3 hrs

4. Core Requirements: Advanced Level
   - SPN 3300 Advanced Spanish Grammar and Composition 3 hrs
   - SPN 3420 Spanish Composition 3 hrs
   - SPN 3760 Advanced Spanish Oral Communication 3 hrs

Select one of the following sequences of courses:
   SPW 3100 Survey of Spanish Literature I and 3 hrs
   or
   SPW 3110 Survey of Spanish Literature II 3 hrs
   SPW 3130 Survey of Latin-American Literature I and 3 hrs
   SPW 3131 Survey of Latin-American Literature II 3 hrs

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 3 hrs
   SPN 4801 Spanish Morphosyntax 3 hrs
   SPN 4800 Spanish-American Syntax 3 hrs
   SPN 4780 Spanish Phonetics 3 hrs
   SPN 3852 Bilinguismo 3 hrs

   Spanish literature beyond the survey level 6 hrs
   - taught in Spanish
   Culture and Civilization 3 hrs
   Select 1: 3 hrs
   SPN 4510 Spanish Civilization and Culture 3 hrs
   or
   SPN 4520 Latin American Civilization and Culture 3 hrs

6. Capstone Requirements
   - Spanish courses 9 hrs
   - None

7. Foreign Language Requirements
   - Admissions
     - Met by Graduation requirements.
   - Graduation
     - Met by Common Program Prerequisites.
   - Electives
     - Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.
   - Additional Requirements
     - None

8. Required Minors
   - None

9. 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

10. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

11. University Minimum Exit Requirements
    - Total Semester Hours Required
      - 120
    - Honors In Major
      - None

12. Related Programs
    - Modern Language Combination
    - None

Advice 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
- ANT 2000 General Anthropology 3 hrs
- ENC 1101 Composition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- SPN 1120C Elementary Spanish Language and Civilization I 4 hrs
- Elective / Minor 3 hrs
Freshman Year - Spring
ENC 1102 Composition II 3 hrs
STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
SPN 1121C Elementary Spanish Language and Civilization II 4 hrs
Elective / Minor 4 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
BSC 1005 Biological Principles 3 hrs
MUL 2010 Enjoyment of Music 3 hrs
COM 1000 Introduction to Communication 3 hrs
SPN 3234 Advanced Directed Readings 3 hrs
Elective / Minor 3 hrs

Junior Year - Fall
SPN 3300 Advanced Spanish Grammar and Composition 3 hrs
SPN 3420 Spanish Composition 3 hrs
SPN 3760 Advanced Spanish Oral Communication Elective / Minor 3 hrs
Elective / Minor 3 hrs

Junior Year - Spring
SPW 3101 Survey of Spanish Literature II 3 hrs
SPN 4780 Spanish Phonetics 3 hrs
SPN 3141 Business Spanish II 3 hrs
Elective / Minor 3 hrs
Elective / Minor 3 hrs

Senior Year - Fall
SPW 3100 Survey of Spanish Literature I 3 hrs
SPN 4520 Latin American Civilization and Culture 3 hrs
SPN 5705 Introduction to Spanish Linguistics 3 hrs
Elective / Minor 3 hrs
Elective / Minor 3 hrs

Senior Year - Spring
SPW 3131 Survey of Latin-American Literature II 3 hrs
SPW 4381 Latin-American Theatre/Poetry 3 hrs
SPN 4410 Advanced Spanish Conversation 3 hrs
Elective / Minor 3 hrs
Elective / Minor 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oecs.ucf.edu/alc/academic_learning_compacts.htm

Sport and Exercise Science (B.S.)
College of Education
Department of Child, Family and Community Sciences,
Education Building, Room: 209
http://education.ucf.edu/sportexscience
Dr. Jay Hoffman, ED 320H, jhoffma@mail.ucf.edu

The Sport and Exercise Science BS program is offered at the UCF Orlando and UCF South Lake (Clermont) Campuses. The program prepares students for positions with university athletic programs, community sports organizations, private and public fitness and recreation programs, and multipurpose facilities. The program is appropriate for students interested in pursuing careers in sport science, health promotion, medicine, wellness, sports medicine, and allied health (i.e. physical therapy, occupational therapy, and cardiac rehabilitation). Students select from one of two areas of specialization: Sport Leadership or Exercise Science. Within the Sport Leadership specialization, students select either a Coaching or Recreation option, while students interested in Exercise Science specialization, select one of three options: Human Performance, Strength and Conditioning, or Children's Physical Activity and Movement. While in the program, students are encouraged to complete professional certification(s) within their specialization. Students are provided with a mix of course content and practical field and laboratory experiences.

Admission Requirements
- Complete the University General Education Requirements or its equivalent, i.e. an AA degree from an approved Florida community college, state college or university; or the AS degree from the affiliated program at Lake Sumter Community College.
- Have a minimum 2.5 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.
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should see an advisor prior to selecting this major, and at least every semester thereafter.
- Students must earn at least a “C” (2.0) in each required course and maintain an overall GPA of at least 2.5.
- Prior to participation in Sport and Exercise Science Practicum, students must have achieved admission into one of the two areas of specialization.
- Students must meet with their advisor prior to enrollment in Sport and Exercise Science Practicum to complete departmental application 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
     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
     Elective from GEP section B.2 3 hrs
   - C: Mathematical Foundations (6 hrs)
     Prefer MGF 1106 Finite Mathematics 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 (7 hrs)
     Required BSC 2010C Biology I 4 hrs
     Prefer PSC 1121 Physical Science 3 hrs

2. Common Program Prerequisites (CPP)
- None

3. Core Requirements: Basic Level (18 hrs)
   - Core Requirements for Sport and Exercise Science: (18 hrs)
     Prefer PET 2984 Introduction to Sport and Exercise Science 3 hrs
     PET 3097 Health and Wellness 3 hrs
     PET 3361 Nutrition and Metabolism in Sport and Exercise Science 3 hrs
     PET 4312C Kinesiology/Biomechanics 3 hrs
     PET 4351C Exercise Physiology 3 hrs
     PET 4550C Assessment and Evaluation in Exercise Science 3 hrs

4. Core Requirements: Advanced Level (36 hrs)
   - Select one Specialization below: Sport Leadership OR Exercise Science, Select Electives- approved by advisor
   - A: Sport Leadership Specialization
     A1. Coaching (36 hrs)
     ATR 2010C Athletic Injuries: Mechanisms and Prevention 3 hrs
     PET 3765 Coaching Theory 3 hrs
     PET 3771 Strength and Conditioning Concepts 3 hrs
     PET 4050C Motor Development and Learning 3 hrs
     PET 4215 Motivational Aspects of Athletic Performance 3 hrs
Select four courses from the following list (must see advisor)  12 hrs

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPM 3204</td>
<td>Sports and Ethics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPM 3415</td>
<td>Public Relations in Sport and Exercise Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 3768</td>
<td>Group Exercise Instruction or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 3771</td>
<td>Strength and Conditioning Concepts or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 4215</td>
<td>Motivational Aspects of Athletic Performance</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEC 3700</td>
<td>Social and Emotional Development of Young Children</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEC 4303</td>
<td>Planning Creative Activities in Early Childhood</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEC 4604</td>
<td>Childhood Education or</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>SPM 3504</td>
<td>Fiscal and Facilities: Issues in Sport and Exercise Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPM 4723</td>
<td>Legal Issues in Sport and Exercise Science</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
Related Minors
- Coaching
- Fitness Training
- Recreation

Advising Notes
- None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (120 hrs)

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- PSC 1121 Physical Science 3 hrs
- PSY 2012 General Psychology 3 hrs
- Elective 3 hrs

Freshman Year - Spring
- 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
- PET 2084 Introduction to Sport and Exercise Science 3 hrs
- GEP B.1 3 hrs
- Elective 6 hrs

Select 1:
- CGS 1060C Introduction to Computer Science or
- STA 1060C Basic Statistics Using Microsoft Excel or
- STA 2014C Principles of Statistics

Sophomore Year - Spring
- PET 3097 Health and Wellness 3 hrs
- GEP B.1 3 hrs
- Specialization or Elective 9 hrs

Junior Year - Fall
- PET 4312C Kinesiology/Biomechanics 3 hrs
- PET 4550C Assessment and Evaluation in Exercise Science 3 hrs
- PET 4351C Exercise Physiology 3 hrs
- Specialization course 6 hrs

Junior Year - Spring
- PET 3361 Nutrition and Metabolism in Sport and Exercise Science 3 hrs
- Specialization/Elective Courses 12 hrs

Junior Year - Summer
- Specialization course 3 hrs

Senior Year - Fall
- PET 3137 Concepts and Practices in Sport and Exercise Science 3 hrs
- Specialization/Elective courses 15 hrs

Senior Year - Spring
- PET 3137 Concepts and Practices in Sport and Exercise Science 3 hrs
- Select 1: 9 hrs

Senior Year - Summer
- Specialization course 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

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
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.

Exercise Science (118 hrs)

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- PSC 1121 Physical Science 3 hrs
- PSY 2012 General Psychology 3 hrs
- Elective 3 hrs

Freshman Year - Spring
- 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
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)
   - Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
   - Required STA 2023 Statistical Methods I 3 hrs

   B: Cultural & Historical Foundations (9 hrs)
   - Required STA 3032 Probability and Statistics for Engineers 3 hrs

   C: Mathematical Foundations (7 hrs)
   - Required MAC 2312 Calculus with Analytic Geometry II 4 hrs
   - Required MAC 2313 Calculus with Analytic Geometry III 4 hrs
   - Required STA 2023 Statistical Methods I 3 hrs

   D: Social Foundations (6 hrs)
   - Required PSY 2012 General Psychology 3 hrs
   - Required ANT 2000 General Anthropology 3 hrs

2. Common Program Prerequisites (CPP) (15 hrs)
   - Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
   - Required STA 2023 Statistical Methods I 3 hrs
   - Preferred ECO 2013 Principles of Macroeconomics 3 hrs

3. Core Requirements: Basic Level (21 hrs)
   - Required STA 2023 Statistical Methods I 3 hrs
   - Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
   - Required MAC 2312 Calculus with Analytic Geometry II 4 hrs
   - Required MAC 2313 Calculus with Analytic Geometry III 4 hrs
   - Required BSC 2010C Biology I 4 hrs

4. Core Requirements: Advanced Level (30 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
   - Required ENC 3241 Writing for the Technical Professional 3 hrs
   - Required COP 3502C Computer Science I 3 hrs
   - Required COT 4500 Numerical Calculus 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

5. Restricted Electives (6 hrs)
   - Required STA 3096 Statistical Graphics or 3 hrs
   - Required STA 4173 Biostatistical Methods or 3 hrs
   - Required STA 4183 Theory of Interest or 3 hrs
   - Required STA 4184 Introduction to Derivative Markets or 3 hrs
   - Required STA 4186 Theory of Derivative Pricing or 3 hrs
   - Required STA 4222 Sample Survey Methods or 3 hrs
   - Required STA 4502 Nonparametric Statistical Methods or 3 hrs
   - Required STA 4504 Categorical Data Analysis or 3 hrs
   - Required STA 4664 Statistical Quality Control or 3 hrs
   - Required STA 4852 Applied Time Series 3 hrs

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   - None

8. Electives
   - Required STA 4504 Categorical Data Analysis 3 hrs
   - Required STA 4664 Statistical Quality Control 3 hrs
   - Required STA 4764 Statistical Methods III 3 hrs
   - Required STA 4852 Applied Time Series 3 hrs
   - Required STA 4764 Statistical Methods III 3 hrs

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.

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

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 2 laboratory courses for majors with BSC, CHM, or PHY prefixes will satisfy the CPP. However, the listed biology courses is also a core requirement and will need to be taken.
- Statistics: although any STA 2XXX course will satisfy the CPP, the listed course is required in the program's core and will still need to be taken.

Plan of Study (120 hrs)
- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Prior to enrolling in Chemistry, take Chemistry Placement Test ~ http://chemplacement.sdes.ucf.edu
- Prior to enrolling in Math, take Math Placement Test ~ http://mathplacement.sdes.ucf.edu/

Freshman Year - Fall

<table>
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<th>Hours</th>
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<tr>
<td>STA 2023</td>
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<tr>
<td>ENC 1101</td>
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<tr>
<td>MAC 2311</td>
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<tr>
<td>GEP</td>
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Freshman Year - Spring

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<tr>
<td>ENC 1102</td>
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<tr>
<td>BSC 2010C</td>
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<tr>
<td>MAC 2312</td>
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Select one course:

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<tr>
<td>CHM 2045C</td>
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<tr>
<td>PHY 2053C</td>
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Sophomore Year - Fall

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<tr>
<td>GEP</td>
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<tr>
<td>MAC 2313</td>
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<tr>
<td>STA 4163</td>
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<td>ECO 2013</td>
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Sophomore Year - Spring

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<tr>
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<td>Core Course</td>
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<tr>
<td>STA 4164</td>
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Junior Year - Fall

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<tbody>
<tr>
<td>STA 4321</td>
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Junior Year - Spring

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<tr>
<td>STA 4322</td>
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<td>Elective / Minor</td>
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Senior Year - Fall

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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>COT 4500</td>
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<td>STA 4102</td>
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<td>Core Course</td>
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<tr>
<td>ENC 3241</td>
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Senior Year - Spring

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<thead>
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<tr>
<td>GEP</td>
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<tr>
<td>GEP</td>
<td>3 hrs</td>
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Elective / Minor 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Technical Education and Industry Training (B.S.)

College of Education

Department of Educational and Human Sciences, Education Complex, Room: ED 123 N
http://education.ucf.edu/teched/

Dr. Jo Ann M. Whiteman, ED 123 N, jwhitema@mail.ucf.edu, 407-325-6293
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://distrb.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.

1. UCF General Education Program (GEP) (36 hrs)

   A: Communication Foundations (9 hrs)
   - Required ENC 1101 Composition I 3 hrs
   - Required ENC 1102 Composition II 3 hrs
   - Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

   B: Cultural & Historical Foundations (9 hrs)
   - Required EDF 2085 Introduction to Diversity for Educators 3 hrs
   - Required EME 2040 Introduction to Technology for Educators 3 hrs

   C: Mathematical Foundations (6 hrs)
   - Required COP 3223 Introduction to Programming with C 3 hrs
   - Required EME 2040 Introduction to Technology for Educators 3 hrs

   D: Social Foundations (6 hrs)
   - Required COP 3223 Introduction to Programming with C 3 hrs
   - Required EME 2040 Introduction to Technology for Educators 3 hrs

   E: Science Foundations (6 hrs)
   - Required COP 3223 Introduction to Programming with C 3 hrs
   - Required EME 2040 Introduction to Technology for Educators 3 hrs

2. Common Program Prerequisites (CPP) (9 hrs)

   - Required COP 3223 Introduction to Programming with C 3 hrs
   - Required EME 2040 Introduction to Technology for Educators 3 hrs

3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level (57 hrs)
- ADE 4382 Teaching Adult Learners in Technical Programs 3 hrs
- ECT 3367 Evaluation of Vocational Instruction 3 hrs
- ECW 3564 Special Populations in Career & Technical Education 3 hrs
ECT 4004 Principles and Practices of Technical Education  3 hrs
ECT 4184 Curriculum Development Techniques for Industry Training  3 hrs
ECT 4384 Advanced Teaching Techniques for Vocational Education  3 hrs

Select 1:  
BTE 4410 Course Construction in Business Education  3 hrs
or
ECT 3312 Course Construction in Health Occupations Education  3 hrs
or
ECT 3371 Course Construction in Industrial Education  3 hrs

Technical Specialization Requirements  30 hrs
- Students must complete an area specialization through one of the following routes:
  - Occupation-specific courses
  - Recognized occupational license/registration/certification
  - Occupational examination
  - Sufficient documentation demonstrating comparable occupational expertise equivalent to 30 semester hours of credit. Appropriate documentation must be provided to advisor before this will be submitted for credit.

5. Restricted Electives  (18 hrs)
   Upper Division Electives  6 hrs
   - With advisor’s approval

Directed Field Experience  12 hrs
- The Technical Specialization must be satisfied and all courses must be completed prior to registering, through your advisor, for the Directed Field Experience. This supervised internship may be completed in an educational or industrial setting, or with the UCF program faculty assisting in teaching web-based courses.

6. Capstone Requirements
   - None

7. Foreign Language Requirements

Admissions
- State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation
- None

8. Electives
   - None

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
- Achieve a minimum 2.5 GPA in all courses within the major.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

   Complete the General Education Program, the Gordon Rule, 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  15 hrs
   ENC 1101 Composition I  3 hrs
   MGF 1106 Finite Mathematics  3 hrs
   SPC 1608 Fundamentals of Oral Communication  3 hrs
   Social Foundations Course  3 hrs
   Cultural-Historical Foundations Course  3 hrs

Freshman Year - Spring  15 hrs
   ENC 1102 Composition II  3 hrs

Select 1:
- STA 1060C Basic Statistics Using Microsoft Excel or
- STA 2014C Principles of Statistics  3 hrs
- Cultural-Historical Foundations Course  3 hrs
- Cultural-Historical Foundations Course  3 hrs
- Social Foundations Course  3 hrs

Sophomore Year - Fall  12 hrs
   EDF 2005 Introduction to the Teaching Profession  3 hrs
   EME 2040 Introduction to Technology for Educators  3 hrs
   Technical Specialization Course  3 hrs
   Science Foundations Course  3 hrs
   Foreign Language Course (if needed)  4 hrs

Sophomore Year - Spring  12 hrs
   EDF 2085 Introduction to Diversity for Educators  3 hrs
   Technical Specialization Course  3 hrs
   Technical Specialization Course  3 hrs
   Science Foundations Course  3 hrs
   Foreign Language Course (if needed)  4 hrs

Sophomore Year - Summer  6 hrs
   ECW 3564 Special Populations in Career & Technical Education  3 hrs

Select 1:
- ECW 3312 Course Construction in Health Occupations Education or
- ECT 3371 Course Construction in Industrial Education  3 hrs

Junior Year - Fall  15 hrs
   ECT 3365 General Methods/Testing Evaluation in Career & Technical Education  3 hrs
   Technical Specialization Courses  12 hrs

Junior Year - Spring  15 hrs
   ECT 3062 Principles of Adult Learners in Technical Education  3 hrs
   ECT 3371 Course Construction in Industrial Education  3 hrs
   Technical Specialization Courses  9 hrs

Junior Year - Summer  6 hrs
   ECT 4004 Principles and Practices of Technical Education  3 hrs
   ECT 4184 Curriculum Development Techniques for Industry Training  3 hrs

Senior Year - Fall  12 hrs
   ADE 4382 Teaching Adult Learners in Technical Programs  3 hrs
   ECT 4384 Advanced Teaching Techniques for Vocational Education  3 hrs
   Upper Division Electives  6 hrs

Senior Year - Spring  12 hrs
   ECT 4941 Internship  12 hrs

Senior Year - Summer
- See advisor for certification details.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oecs.ucf.edu/alc/academic_learning_compacts.htm
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.
- 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 determine 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 website at http://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 THE 2020 Survey of Theatre for Majors 3 hrs
  2 Required ARH 2051 History of Western Art II 3 hrs
C: Mathematical Foundations (6 hrs)

1. Required MGF 1106 Finite Mathematics 3 hrs
2. Required STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

1. (May substitute for a higher level math)

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (20 hrs)

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

1. THE 2020 Survey of Theatre for Majors GEP 3 hrs
2. THE 2304 Script Analysis 3 hrs
3. THE 2090L Theatre Participation-Management I 1 hr
4. TPA 2290L Theatre Participation-Production I 1 hr
5. TPP 3310C Directing for Theatre I 3 hrs

Acting

- Acting specialization take Acting I. Design & Technology and Stage Management take Fundamentals of Acting

TPP 2110C Acting I - Introduction or
TPP 2101 Fundamentals of Acting 3 hrs

Technical Theatre Production or Stagecraft I

- Acting Select Technical Theatre Production sequence. Design & Technology and Stage Management select Stagecraft I.

TPA 2201 Technical Theatre Production and
TPA 2201L Technical Theatre Production Lab 1 hr

or
TPA 2210 Stagecraft I 3 hrs

Acting II or Stagecraft II

- Acting Select Technical Theatre Production sequence. Design & Technology and Stage Management take Stagecraft II sequence.

TPP 2170C Acting II - The Actor Prepares 3 hrs

Design Basics or Elective

- Design & Technology and Stage Management select TPA 2000C. Acting Select Elective.

TPA 2000C Theatre Design Basics 3 hrs

or
Theatre Elective offered by Theatre Department (DAA, THE, TPA, TPP Prefix) 3 hrs

1. *See Transfer Notes for possible substitutes.

3. Core Requirements: Basic Level (9 hrs)

1. THE 3311 Theatre History and Dramatic Literature I 3 hrs
2. THE 3312 Theatre History and Dramatic Literature II 3 hrs
3. THE 3313 Theatre History and Dramatic Literature III 3 hrs
4. THE 2081C Introduction to UCF Theatre 0 hrs
5. THE 4954 Theatre Exit Critique 0 hrs

4. Core Requirements: Advanced Level (64 hrs)

Specialization: select one area

Acting Specialization 61 hrs

TPP 2248C Makeup Techniques and 2 hrs
TPP 2220C Ballet I and 2 hrs
TPP 2710C Voice Production I and 2 hrs
TPP 3172C Acting III - Building the Character and 3 hrs
TPP 3510C Movement for the Actor I and 2 hrs
TPP 3513C Movement for the Actor II and 2 hrs
TPP 4512C Stage Combat and 2 hrs
TPP 3257C Musical Theatre Voice I and 2 hrs
TPP 3258C Musical Theatre Voice II and 2 hrs
TPP 3711C Voice Production II and 2 hrs
TPP 3712C Voice Production III and 2 hrs
TPP 4730C Director's Voices and 2 hrs
TPP 4140C Acting IV - Creating the Role and 3 hrs
TPP 4142C Acting Verse and 3 hrs
TPP 4265C Camera Acting and 3 hrs
TPP 4531C Period Movement and 2 hrs
TPP 4221 Auditioning and 3 hrs
TPP 2233C Stage Careers for Performance and 3 hrs
TPP 2190L Theatre Participation-Performance I and 1 hr
TPP 4940L Theatre Internship and 6 hrs

Restricted Electives (see list of courses) 12 hrs

Select 1: 2 hrs

DAA 2570C Jazz Dance I or
DAA 2100C Modern Dance I 2 hrs

Select 1: 1 hr

TPA 4293L Theatre Participation-Production II or
THE 4093L Theatre Participation-Management II or
TPP 4193L Theatre Participation-Performance II 1 hr

Stage Management Specialization 61 hrs

TPA 2210L Stagecraft I Lab and 1 hr
TPA 2211L Stagecraft II Lab and 1 hr
TPA 2233L Theatre Participation-Production II and 1 hr
TPA 4400 Theatre Management and 3 hrs
TPA 2501C Stage Management and 3 hrs
TPA 2220C Stage Electronics and 3 hrs
TPA 2600 Stage Management Basics and 3 hrs
TPA 3601 Stage Management and 3 hrs
TPA 4602 Advanced Stage Management and 3 hrs
TPA 3195L Summer Theatre Studio/Design I and 3 hrs
TPA 3197L Summer Theatre Studio/Design II and 3 hrs
THE 2848 Period Costume, Architecture, and Decor I and 3 hrs
THE 2845 Period Costume, Architecture, and Decor II and 3 hrs
TPA 4401C Theatre Careers in Production and 3 hrs
TPA 4250C ADD for Theatre and 3 hrs
TPP 3103 Intermediate Acting and 3 hrs
TPA 2170C Introduction to Theatre Production 2 hrs
TPA 3060C Scene Design for Theatre I or TPA 3040C Costume Design for Theatre I and 3 hrs
TPP 4940L Theatre Internship and 6 hrs
Restricted Electives (see list of courses) 8 hrs

Select 1: 3 hrs

TPA 3221C Lighting Design for Theatre I or
TPA 3260C Sound Design for Theatre I 3 hrs

Design & Technology Specialization 64 hrs

ARH 2051 History of Western Art II and 3 hrs
GEP 1
TPA 2210L Stagecraft I Lab and 1 hr
TPA 2211L Stagecraft II Lab and 1 hr
TPA 2170C Introduction to Theatre Production 2 hrs
TPA 4602 Advanced Stage Management and 3 hrs
TPA 3195L Summer Theatre Studio/Design I and 3 hrs
TPA 3197L Summer Theatre Studio/Design II and 3 hrs
THE 2848 Period Costume, Architecture, and Decor I and 3 hrs
THE 2845 Period Costume, Architecture, and Decor II and 3 hrs
TPA 3195L Summer Theatre Studio/Design I and 3 hrs
TPA 3197L Summer Theatre Studio/Design II and 3 hrs
TPA 2233L Theatre Participation-Production II and 1 hr
TPA 4293L Theatre Participation-Production II and 1 hr
TPA 4401C Theatre Careers in Production and 3 hrs
TPA 2501C Stage Management and 3 hrs
TPA 3601 Stage Management and 3 hrs
TPA 4602 Advanced Stage Management and 3 hrs
TPA 3195L Summer Theatre Studio/Design I and 3 hrs
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THE 2845 Period Costume, Architecture, and Decor II and 3 hrs
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TPA 3260C Sound Design for Theatre I 3 hrs

Design & Technology Specialization 64 hrs

ARH 2051 History of Western Art II and 3 hrs
GEP 1
TPA 2210L Stagecraft I Lab and 1 hr
TPA 2211L Stagecraft II Lab and 1 hr
TPA 2170C Introduction to Theatre Production 2 hrs
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TPA 3260C Sound Design for Theatre I 3 hrs

Design & Technology Specialization 64 hrs

ARH 2051 History of Western Art II and 3 hrs
GEP 1
TPA 2210L Stagecraft I Lab and 1 hr
TPA 2211L Stagecraft II Lab and 1 hr
TPA 2170C Introduction to Theatre Production 2 hrs
TPA 4602 Advanced Stage Management and 3 hrs
TPA 3195L Summer Theatre Studio/Design I and 3 hrs
TPA 3197L Summer Theatre Studio/Design II and 3 hrs
THE 2848 Period Costume, Architecture, and Decor I and 3 hrs
THE 2845 Period Costume, Architecture, and Decor II and 3 hrs
TPA 3221C Lighting Design for Theatre I or
TPA 3260C Sound Design for Theatre I 3 hrs

1. This course is only taught during the fall semesters.
2. Design & Technology Students select ARH 2051 (History of Western Art II)

1. *See Transfer Notes for possible substitutes.
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**

- Film
- Music
- Theatre Studies

**Certificates**

- None

**Related Minors**

- Theatre
- Dance
- Art - Studio
- Music
- Film - Cinema Studies

**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:
  - THE 2020 May use any introductory course, however, 3 hrs
  - THE 2081 is a required course taught in conjunction with THE 2020. You must take THE 2081 at UCF. Some students with a transfer substitution choose to take THE 2020 at UCF as a theatre elective.
  - THE 2304 May use any introductory Theatre Play or Script Analysis class. Script Analysis for Film cannot substitute.
    - TPA 2210 may be substituted with any introductory Stagecraft Course. Lab will still need to be taken.
    - TPA 2201 may be substituted with any introductory Stagecraft course.
    - 1 TPP 3310C Directing for Theatre I 3 hrs
    - Other THE, TPA, DAA, or DAN courses taught by and approved by the Department of Theatre cannot be used in this program.

**Design Electives**

- (for Design and Technology Specialization)
- Select three

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<tr>
<th>Course</th>
<th>Hours</th>
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<tr>
<td>TPA 3060C Scenic Design for Theatre I</td>
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<td>TPA 3040C Costume Design for Theatre I</td>
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<td>TPA 3221C Lighting Design for Theatre I</td>
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<td>TPA 3260C Sound Design for Theatre I</td>
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<tr>
<th>Course</th>
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<tr>
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<td>THE 2025</td>
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<td>TPA 2248C Makeup Techniques</td>
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<td>1 THE 2025 Introduction to Theatrical Design</td>
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<td>1 TTP 4311C Advanced Directing for Theatre</td>
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<tr>
<td>Honors in the Major Directed Readings and Thesis</td>
<td>3 hrs</td>
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**6. Capstone Requirements**

- None

**7. Foreign Language Requirements**

- None

**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.

**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
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
- Students must adopt the most current catalog.
- Students must transfer into the program as a Transfer student.
- 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 departmental advisor will be placed on departmental probation which causes him/her to be ineligible for casting or other production positions. Repeated failure to consult with a 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 compare 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 register 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 website 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 1 (General Education Program) are taken throughout all four years.
1. UC General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 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

2. Mathematical Foundations
   1 Prefer MGF 1106 Finite Mathematics 3 hrs
   Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

3. Core Requirements: Basic Level (20 hrs)
   MUT 1121 Music Theory and Musicianship I 4 hrs
   MUT 1122 Music Theory and Musicianship II 4 hrs
   DAA 2200C Ballet I 2 hrs
   DAA 2201C Ballet II 2 hrs
   DAA 2570C Jazz Dance I 2 hrs
   DAA 2571C Jazz Dance II 2 hrs
   DAA 2520C Tap Dance I 2 hrs
   DAA 2248C Makeup Techniques 2 hrs
   THE 2081C Introduction to UCF Theatre 0 hrs
4. Core Requirements: Advanced Level (50 hrs)

TPP 3172C  Acting III - Building the Character  3 hrs
TPP 4140C  Acting IV - Creating the Role  3 hrs
TPP 3250C  Musical Theatre Acting I  3 hrs
TPP 3252C  Musical Theatre Acting II  3 hrs
THE 4244  Musical Theatre History I  3 hrs
THE 4245  Musical Theatre History II  3 hrs
THE 3311  Theatre History and Dramatic Literature I  3 hrs
THE 3312  Theatre History and Dramatic Literature II  3 hrs
TPP 3257C  Musical Theatre Voice I  2 hrs
TPP 3258C  Musical Theatre Voice II  2 hrs
TPP 4259C  Musical Theatre Voice III  2 hrs
TPP 4921C  Musical Theatre Voice IV  2 hrs
1 TPP 4746C  Musical Theatre Repertoire  2 hrs
TPP 4940L  Theatre Internship  6 hrs
TPP 4253C  Musical Theatre Acting III  3 hrs
TPP 4223C  Theatre Careers for Performance  3 hrs
THE 4954  Theatre Exit Critique  0 hrs

Select 1: 2 hrs

■ (1 credit course, must be taken twice)

TPA 4293L  Theatre Participation-Production II or
THE 4093L  Theatre Participation-Management II or
TPP 4193L  Theatre Participation-Performance II  1 hr

1 (2 hr class must be taken twice)

Movement Electives 2 hrs

■ Any DAA or DAN courses not already required, taught by the department, and with departmental approval.

Select 1:  2 hrs

TPP 4531C  Period Movement or
TPP 4512C  Stage Combat  2 hrs

5. Restricted Electives (1 hr)

■ Chosen from the following

DAN 3134  Dance History I  3 hrs
DAA 3812  Dance Improvisation/Composition I  3 hrs
DAA 2100C  Modern Dance I  2 hrs
DAA 3684  Dance Performance  1 hr
DAA 2521C  Tap Dance II  2 hrs
DAA 3524C  Tap Dance III  2 hrs
DAA 3208C  Ballet III  2 hrs
DAA 2101C  Modern Dance II  2 hrs
DAA 3108C  Modern Dance III  2 hrs
DAA 2393C  World Dance  2 hrs
DAA 3645  Choreography Practicum  2 hrs
TPP 4730C  Dialects  2 hrs
TPP 4142C  Acting Verse  3 hrs
TPP 4265C  Camera Acting  3 hrs
TPP 4268C  Acting VII Advanced Acting For TV/Film  3 hrs
THE 4230  Cultural Diversity in Theater  3 hrs
1 THE 5307  Contemporary Theatre Practice  3 hrs
TPA 3195L  Summer Theatre Studio/Tech/Design I  3 hrs
TPA 3197L  Summer Theatre Studio/Tech/Design II  3 hrs
TPP 3197L  Summer Theatre/Performance  3 hrs
TPP 3952L  Summer Studio Performance  3 hrs
TPP 4143C  Acting Styles  3 hrs
1 TPA 2800  Stage Management Basics  3 hrs
TPP 4400  Theatre Management  3 hrs
THE 4284  Period Costume, Architecture, and Decor I  3 hrs
THE 4285  Period Costume, Architecture, and Decor II  3 hrs
TPP 4221  Auditioning  3 hrs
THE 3313  Theatre History and Dramatic Literature III  3 hrs
1 TPP 4311C  Advanced Directing for Theatre  3 hrs
THE 4093L  Theatre Participation-Management II  1 hr
TPA 4293L  Theatre Participation-Production II  1 hr
TPP 4193L  Theatre Participation-Performance II  1 hr
TPA 3601  Stage Management  3 hrs
TPP 4512C  Stage Combat  2 hrs
TPP 4243C  Circus Arts  2 hrs
THE 4423  Women in Theatre  3 hrs
THE 4543  Theatre for Social Change  3 hrs
THE 4212  Global Theatre  3 hrs
THE 3383  Tabon Theatre: Sex & Violence on Stage  3 hrs
THE 2250  Sex, Drugs, & the Rock and Roll Musical  3 hrs
Honors in the Major Directed Readings and Thesis  3-6 hrs

THE 4912  Undergraduate Research (see #1 footnote)  3-6 hrs
THE 3905 Independent Study (see #1 footnote)  1-9 hrs

1 Other THE, TPA, TPP, DAA or DAN courses not already required and as approved by the department requires instructor and departmental approval in advance.

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

Honors In Major

■ None

Related Programs

■ Music
■ Film - Cinema Studies
■ Theatre
■ Dance

Certificates

■ None

Related Minors

■ Music
■ Film - Cinema Studies
■ Theatre
■ Dance

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 UCDF 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 2020 Survey of Theatre for Majors  3 hrs

may be substituted with:

1 UNIVERSITY OF CENTRAL FLORIDA
THE 2304  Script Analysis  3 hrs
TPA 2201  Technical Theatre Production  2 hrs
TPA 2201  Technical Theatre Production  2 hrs
TPP 3310C  Directing for Theatre I  3 hrs

1 may use any introductory course. However, THE 2020 is a prerequisite for all theatre courses and may 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.oes.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Theatre Studies (B.A.)

College of Arts and Humanities
Department of Theatre, University Tech Center,
Room: 180
http://www.theatre.ca.h.ucf.edu/
E-mail: jwshafer@mail.ucf.edu
John Shafer
407-823-2862

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.

Admission Requirements
- The departmental faculty evaluates, via an interview, students who desire to become BA majors. For complete information visit:
- All students must submit a three letters of recommendation, a resume, and transcripts of previous college work at the time of interview.
- Departmental scholarship applications are due by April 15. Scholarship applications for incoming students are available at your interview appointment. Scholarship decisions are usually finalized in August.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students are required to complete a minor and graduate.
- Students who complete a double major fulfill the minor requirement automatically.
- 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 the program.
- Co-op credit cannot be used in this major.
- Students must consult with a departmental advisor each semester before registering. 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 at least 30 semester hours of courses taken from the UCF Theatre Department.

UCF Degree Programs

THE 2020  Survey of Theatre for Majors  3 hrs
THE 2304  Script Analysis  3 hrs
TPA 2201  Technical Theatre Production  2 hrs
TPA 2201  Technical Theatre Production  2 hrs
TPP 3310C  Directing for Theatre I  3 hrs

1 may substitute a higher level math

1 TPA 4293L  Theatre Participation-Production II  1 hr
THE 3312  Theatre History and Dramatic Literature II  3 hrs
THE 3311  Theatre History and Dramatic Literature I  3 hrs
TPP 3264C  Acting on Camera  3 hrs
TPP 2700C  Stage Speech/Voice  3 hrs
THE 2081C  Introduction to UCF Theatre  3 hrs
THE 2304  Script Analysis  3 hrs
TPP 4143C  Acting Styles  3 hrs
TPP 2025  Introduction to Theatrical Design  3 hrs
THE 4230  Cultural Diversity in Theater  3 hrs
THE 4240  Musical Theatre Survey  3 hrs

1 Prefer MGF 1106  Finite Mathematics  3 hrs
1 Prefer STA 1060C  Basic Statistics Using Microsoft Excel

1 Select Transfer Notes for possible substitutes

3 Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level (10 hrs)
THE 3311  Theatre History and Dramatic Literature I  3 hrs
THE 3312  Theatre History and Dramatic Literature II  3 hrs
THE 3315  Theatre History and Dramatic Literature III  3 hrs
THE 2081C  Introduction to UCF Theatre  3 hrs
THE 4954  Theatre Exit Critique  0 hrs

Select 1:
TPA 4293L  Theatre Participation-Production II or 1 hr
THE 4093L  Theatre Participation-Management II or 1 hr
TPP 4193L  Theatre Participation-Performance I or 1 hr

5. Restricted Electives (16 hrs)
- Select 16 hours from the following:
  THE 4230  Cultural Diversity in Theater  3 hrs
  THE 3082  Theatre Careers  3 hrs
  TPP 4143C  Acting Styles  3 hrs
  TPP 3264C  Acting on Camera  3 hrs
  THE 2025  Introduction to Theatrical Design  3 hrs
  THE 3240  Musical Theatre Survey  3 hrs
1 THE 4093L  Theatre Participation-Management II or 1 hr
1 TPA 4293L  Theatre Participation-Production II  1 hr
## 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 the Major
- None

## Related Programs
- Film
- Music
- Theatre

## Certificates
- None

## Related Minors
- Art - Studio
- Film - Cinema Studies
- Theatre
- Dance

## 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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 TPP 4193L</td>
<td>Theatre Participation-Performance II</td>
<td>1 hr</td>
</tr>
<tr>
<td>1 THE 5307</td>
<td>Contemporary Theatre Practice</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 TPA 2246C</td>
<td>Makeup Techniques</td>
<td>2 hrs</td>
</tr>
<tr>
<td>THE 4284</td>
<td>Period Costume, Architecture, and Decor I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 4285</td>
<td>Period Costume, Architecture, and Decor II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 3195L</td>
<td>Summer Theatre Studio/Design I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 3197L</td>
<td>Summer Theatre Studio/Design II</td>
<td>3 hrs</td>
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<tr>
<td>1 TPA 2600</td>
<td>Stage Management Basics</td>
<td>3 hrs</td>
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<td>TPA 4400</td>
<td>Theatre Management</td>
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<td>TPP 3103</td>
<td>Intermediate Acting</td>
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<tr>
<td>TPP 3197L</td>
<td>Summer Theatre/Performance</td>
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<tr>
<td>TPP 3952L</td>
<td>Summer Studio Performance</td>
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<tr>
<td>1 TPA 4311C</td>
<td>Advanced Directing for Theatre</td>
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<td>TPA 3601</td>
<td>Stage Management</td>
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<tr>
<td>TPP 4243C</td>
<td>Circus Arts</td>
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<tr>
<td>THE 4912</td>
<td>Directed Independent Research</td>
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<tr>
<td>TPP 4512C</td>
<td>Stage Combat</td>
<td>2 hrs</td>
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<tr>
<td>THE 4423</td>
<td>Women in Theatre</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 4453</td>
<td>Theatre for Social Change</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 4212</td>
<td>Global Theatre</td>
<td>3 hrs</td>
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<tr>
<td>THE 3383</td>
<td>Taboo Theatre: Sex &amp; Violence on Stage</td>
<td>3 hrs</td>
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<tr>
<td>THE 2250</td>
<td>Sex, Drugs, &amp; the Rock and Roll Musical</td>
<td>3 hrs</td>
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<tr>
<td>Any DAA or DAN courses taught by the theatre department</td>
<td>2 hrs</td>
<td></td>
</tr>
</tbody>
</table>

## Equipment Fees

- Full-Time Student: $90 per term
- Part-Time Student: $45 per term

## Undergraduate Catalog 2011-2012
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.

<table>
<thead>
<tr>
<th>Minors</th>
<th>Certificates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accounting</td>
<td>Leadership Studies</td>
</tr>
<tr>
<td>Actuarial Science</td>
<td>Legal Studies</td>
</tr>
<tr>
<td>Aerospace Studies</td>
<td>Magazine Journalism</td>
</tr>
<tr>
<td>African American Studies</td>
<td>Marketing</td>
</tr>
<tr>
<td>Aging Studies</td>
<td>Mass Communication</td>
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<tr>
<td>American Studies</td>
<td>Mass Culture and Collective Behavior</td>
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<tr>
<td>Anthropology</td>
<td>Mathematics</td>
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<tr>
<td>Anthropology in Multicultural Studies</td>
<td>Mathematics Education</td>
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<tr>
<td>Art - Studio</td>
<td>Medical Anthropology</td>
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<tr>
<td>Art History</td>
<td>Medical Sociology</td>
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<tr>
<td>Asian Studies</td>
<td>Medieval and Renaissance Studies</td>
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<tr>
<td>Astronomy</td>
<td>Middle Eastern Studies</td>
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<tr>
<td>Bioengineering</td>
<td>Military Science</td>
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<td>Biology</td>
<td>Music</td>
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<td>Biomedical Sciences</td>
<td>Nonprofit Management/American Humanics</td>
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<tr>
<td>Business</td>
<td>National Certification Program</td>
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<tr>
<td>Chemistry</td>
<td>North American Indian Studies</td>
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<tr>
<td>Coaching</td>
<td>Performing Arts Administration</td>
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<tr>
<td>Cognitive Sciences</td>
<td>Philosophy</td>
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<tr>
<td>Communication Sciences and Disorders</td>
<td>Philosophy, Religion and Popular Culture</td>
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<tr>
<td>Community Arts - PAVE</td>
<td>Physics</td>
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<tr>
<td>Computer Science</td>
<td>Political Science</td>
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<tr>
<td>Crime, Law, and Deviance</td>
<td>Political Science/Prelaw</td>
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<tr>
<td>Criminal Justice</td>
<td>Psychology</td>
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<td>Dance</td>
<td>Public Administration</td>
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<td>Digital Media</td>
<td>Real Estate</td>
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<td>Diversity and Social Inequality</td>
<td>Recreation</td>
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<td>Early Childhood</td>
<td>Religious Studies</td>
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<td>Development and Education</td>
<td>Science Education</td>
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<tr>
<td>Economic Policy</td>
<td>Secure Computing and Networks</td>
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<td>Economics</td>
<td>Social Science Education</td>
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<td>Education</td>
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<td>Emergency Management</td>
<td>Spanish</td>
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<tr>
<td>and Homeland Security</td>
<td>Sport Business Management</td>
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<tr>
<td>Energy and Sustainability</td>
<td>Statistics</td>
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<tr>
<td>Engineering Leadership</td>
<td>Technical Education and Industry Training</td>
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<tr>
<td>English - Creative Writing</td>
<td>Technological Entrepreneurship</td>
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<td>English - Linguistics</td>
<td>Theatre</td>
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<td>English - Literature</td>
<td>Urban and Regional Planning</td>
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<td>English - Technical Communication</td>
<td>Women’s Studies</td>
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<td>English Language Arts Education</td>
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<td>Environmental Studies</td>
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<td>European Studies</td>
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<td>Exceptional Education</td>
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<td>Film - Cinema Studies</td>
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<td>Finance</td>
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<td>Fitness Training</td>
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<td>Foreign Language Education</td>
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<td>French</td>
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<td>German</td>
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<td>Health Informatics</td>
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<tr>
<td>and Information Management</td>
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<td>Health Services Administration</td>
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<td>History</td>
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<td>Hospitality Management</td>
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<td>Humanities</td>
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<tr>
<td>Information Technology</td>
<td></td>
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<tr>
<td>Intelligent Robotic Systems</td>
<td></td>
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<tr>
<td>Interdisciplinary Informatics Technology</td>
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<tr>
<td>International and Global Studies</td>
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<tr>
<td>International Business</td>
<td></td>
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<tr>
<td>International Engineering</td>
<td></td>
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<tr>
<td>Interpersonal/Organizational Communication</td>
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<tr>
<td>Italian</td>
<td></td>
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<tr>
<td>Journalism Studies</td>
<td></td>
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<tr>
<td>Judaic Studies</td>
<td></td>
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<tr>
<td>Latin American Area Studies</td>
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<tr>
<td>Latin American Studies</td>
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</tbody>
</table>

Additional UCF Programs

Study Abroad Programs:
- Australia
- Austria
- Brazil
- The Bahamas
- China
- Costa Rica
- Czech Republic
- France
- Germany
- Honduras
- Ireland
- Italy
- Japan
- The Netherlands
- Peru
- Poland
- Russia
- Spain
- Sweden
- Taiwan
- United Kingdom

Marketing: Services Marketing Certificate
Marketing: Sport Marketing Management Certificate
Military Science Certificate
Nonprofit Management Certificate
Public and Professional Writing Certificate
Real Estate: Mortgage Brokerage Certificate
Real Estate: Real Estate Appraisal Certificate
Real Estate: Real Estate Brokerage Certificate
Security Management Certificate
Service-Learning Certificate
Substitute Teaching Certificate
Teaching English as a Foreign Language Certificate
Translation and Interpretation Certificate
Victim Advocacy Certificate
Women’s Studies Certificate

Additional 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

United States:
- Alaska
- Alabama
- Arkansas
- Arizona
- California
- Colorado
- Connecticut
- Delaware
- Florida
- Georgia
- Hawaii
- Iowa
- Illinois
- Indiana
- Kansas
- Kentucky
- Louisiana
- Massachusetts
- Maryland
- Maine
- Michigan
- Minnesota
- Missouri
- Mississippi
- Montana
- North Carolina
- North Dakota
- Nebraska
- New Hampshire
- New Jersey
- New Mexico
- Nevada
- New York
- Ohio
- Oklahoma
- Oregon
- Pennsylvania
- Rhode Island
- South Carolina
- South Dakota
- Tennessee
- Texas
- Utah
- Virginia
- Vermont
- Washington
- Wisconsin
- West Virginia
- Wyoming

Canada:
- British Columbia
- Alberta
- Ontario
- Quebec
- Newfoundland and Labrador
- Labrador and Newfoundland
- Quebec
- Saskatchewan
- Alberta
- Manitoba
- Nova Scotia
- Prince Edward Island
- New Brunswick

Europe:
- United Kingdom
- Sweden
- Germany
- France
- Spain
- Italy
- Netherlands
- Austria

Latin America:
- United States
- Canada
- Mexico
- Brazil
- Chile
- Argentina
- Peru
- Colombia
- Venezuela

Middle East:
- United States
- Canada
- United Kingdom
Accounting - Minor
College of Business Administration
Kenneth G. Dixon School of Accounting,
Business Administration II, Room: 101
http://web.bus.ucf.edu/academics/accounting/
407-823-2164

For Business and Non-Business Majors.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (9 hrs)
- ACG 2021 Principles of Financial Accounting 3 hrs
- ACG 2071 Principles of Managerial Accounting 3 hrs

Select 1: 3 hrs
- May not be counted as an elective if selected as a required course.
- ACG 3313 Intermediate Financial Accounting I or 3 hrs
- ACG 3361 Cost Accounting I 3 hrs

Restricted Electives (12 hrs)
- At least two courses must have either an ACG or TAX prefix
- ACG 3313 Intermediate Financial Accounting I 3 hrs
- ACG 3361 Cost Accounting I 3 hrs
- ACG 3414 Intermediate Financial Accounting II 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
- TAX 4001 Taxation of Business Entities and Transactions 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 21

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) or "S" grades from other institutions are not accepted.
- Courses 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.

Minor Requirements
- A minimum grade of "C" (2.0) is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the Department of Statistics.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.
- Students are expected to have completed some of the following courses as part of their GEP requirement.

Required Courses
- ACG 2021 Principles of Financial Accounting 3 hrs
- ACG 2071 Principles of Managerial Accounting 3 hrs
- ECO 2013 Principles of Microeconomics 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs
- FIN 3403C Business Finance 4 hrs
- STA 4183 Theory of Interest 3 hrs
- STA 4186 Theory of Derivative Pricing 3 hrs
- STA 4852 Applied Time Series 3 hrs

Restricted Electives
- No additional courses are required.

Foreign Language Requirements
- No Foreign Language is 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.

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

Minor Requirements
- None

Prerequisite Courses
- None

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 Prep for Active Duty I 3 hrs
- AFR 4210C National Security Affairs and Prep for Active Duty II 3 hrs

Required Courses (25 hrs)
- ACG 2021 Principles of Financial Accounting 3 hrs
- ACG 2071 Principles of Managerial Accounting 3 hrs
- ECO 2013 Principles of Microeconomics 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs
- FIN 3403C Business Finance 4 hrs
- STA 4183 Theory of Interest 3 hrs
- STA 4186 Theory of Derivative Pricing 3 hrs
- STA 4852 Applied Time Series 3 hrs

Restricted Electives
- No additional courses are required.

Foreign Language Requirements
- No Foreign Language is 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

### African American Studies - Minor

**College of Arts and Humanities**

**Program in African American Studies, Colbourn Hall,**

**Room: 411**


J. 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.

<table>
<thead>
<tr>
<th>Minor Admission Requirements</th>
<th>None</th>
</tr>
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<tbody>
<tr>
<td>Minor Requirements</td>
<td>None</td>
</tr>
<tr>
<td>Prerequisite Courses</td>
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<tr>
<td>Required Courses</td>
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<tr>
<td>AFA 3104</td>
<td>The Black Intellectual Experience 3 hrs</td>
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<tr>
<td>AMH 3571</td>
<td>Black American History I 3 hrs</td>
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</table>

<table>
<thead>
<tr>
<th>Restricted Electives</th>
<th>(12 hrs)</th>
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<tbody>
<tr>
<td>Additional courses may be used only with the prior permission of the program Director.</td>
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<tr>
<td>AFA 3102</td>
<td>Black Perspectives: A Multidisciplinary Approach 3 hrs</td>
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<tr>
<td>AFA 2300</td>
<td>African American Music 3 hrs</td>
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<tr>
<td>AFA 3955</td>
<td>Study Abroad in Eastern Caribbean 6 hrs</td>
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<tr>
<td>AMH 3572</td>
<td>Black American History II 3 hrs</td>
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<td>AML 3614</td>
<td>Topics in African-American Literature 3 hrs</td>
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<tr>
<td>AML 3615</td>
<td>Harlem, Haiti, and Havana 3 hrs</td>
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<tr>
<td>ARH 3200</td>
<td>African Art 3 hrs</td>
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<td>INR 3253</td>
<td>International Politics of Africa 3 hrs</td>
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<td>FIL 3831</td>
<td>Black Cinema 3 hrs</td>
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<td>LAH 3470</td>
<td>History of the Caribbean 3 hrs</td>
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<td>LAS 4023</td>
<td>African Caribbean Experience 3 hrs</td>
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<td>LIT 3192</td>
<td>Caribbean Literature 3 hrs</td>
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<td>MUL 2016</td>
<td>Evolution of Jazz 3 hrs</td>
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<td>POS 4622</td>
<td>Politics and Civil Rights 3 hrs</td>
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<td>PUP 3314</td>
<td>Minorities in American Politics 3 hrs</td>
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<tr>
<td>SOP 3724</td>
<td>Psychology of Prejudice 3 hrs</td>
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<tr>
<td>SYD 3700</td>
<td>Race and Ethnicity 3 hrs</td>
</tr>
<tr>
<td>AFA 4105</td>
<td>Documenting African American Heritage and Life 3 hrs</td>
</tr>
<tr>
<td>AFH 3100</td>
<td>African History to 1870 3 hrs</td>
</tr>
<tr>
<td>AFH 3200</td>
<td>African History Since 1870 3 hrs</td>
</tr>
<tr>
<td>AFH 5806</td>
<td>The Historiography of Slavery in Africa 3 hrs</td>
</tr>
<tr>
<td>AMH 3403</td>
<td>History of the South Since 1865 3 hrs</td>
</tr>
<tr>
<td>ANT 3398</td>
<td>Black/Seminoles Relations 3 hrs</td>
</tr>
<tr>
<td>ANT 3319</td>
<td>Anthropology of Diaspora 3 hrs</td>
</tr>
<tr>
<td>ANT 4340</td>
<td>Caribbean Cultures 3 hrs</td>
</tr>
</tbody>
</table>

| Foreign Language Requirements | None |
| Total Semester Hours Required | 18 |

### 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” (1.75) 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.

| Minor Admission Requirements | None |
| Minor Requirements | A required internship, along with course options that include service-learning activities, complements the web-based course of study. |
| Prerequisite Courses | None |
| Required Courses | (6 hrs) |
| GEY 3001 | Gerontology: An Interdisciplinary Overview 3 hrs |
| Select One: | |
| HSA 4220 | Long Term Patient Management 3 hrs |
| HSA 5301 | Gerontologic Nursing 3 hrs |
| SYP 4941 | Internship 3 hrs |
| SOW 4510 | Field Education 9 hrs |
| SOW 4941 | Internship 9 hrs |

- For full-time students
- For part-time students over two semesters

<table>
<thead>
<tr>
<th>Restricted Electives</th>
<th>(12 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Students select FOUR additional courses from the following courses:</td>
<td></td>
</tr>
<tr>
<td>A maximum of TWO courses in their College must be taken and at least TWO courses must be outside their college.</td>
<td></td>
</tr>
<tr>
<td>College of Health and Public Affairs</td>
<td></td>
</tr>
<tr>
<td>HSA 4220</td>
<td>Long Term Patient Management 3 hrs</td>
</tr>
<tr>
<td>HSA 5301</td>
<td>Gerontologic Nursing 3 hrs</td>
</tr>
<tr>
<td>HSC 4564</td>
<td>Health Care Needs of the Elderly 3 hrs</td>
</tr>
<tr>
<td>PLA 4530</td>
<td>Legal Issues of the Elderly 3 hrs</td>
</tr>
<tr>
<td>SOW 4645</td>
<td>Social Services for the Elderly 3 hrs</td>
</tr>
<tr>
<td>NUR 4286</td>
<td>Gerontologic Nursing 3 hrs</td>
</tr>
<tr>
<td>SOW 3740</td>
<td>Social Work Practice with Loss &amp; Life’s Transitions 3 hrs</td>
</tr>
</tbody>
</table>

| Other Colleges | |
|----------------| |
| DEP 4364 | Psychology of Aging 3 hrs |
| SYD 4730 | Patterns of Aging in Society 3 hrs |
| GEY 5007 | Women and Healthy Aging 3 hrs |
| SYP 4732 | Minority Aging 3 hrs |

- Open to undergraduates with senior standing

### 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.
American Studies - Minor
College of Arts and Humanities
CAH Dean’s Office, Room: 290
http://www.cah.ucf.edu
Lyman Brodie, lbrodie@mail.ucf.edu, 407-823-2292
Phone: 407-823-2251

Minor Admission Requirements
- None

Prerequisite Courses
- None

Required Courses (9 hrs)
Select 1:
- AML 3031 American Literature I or 3 hrs
- AML 4101 American Novel or 3 hrs
- AML 4261 Literature of the South or 3 hrs
- AML 3882 Ethnic Literature in America 3 hrs

Social Sciences
Select 1:
- POS 3413 The American Presidency or 3 hrs
- POT 3204 American Political Thought or 3 hrs
- SYD 3700 Race and Ethnicity or 3 hrs
- SYP 3630 Popular Culture in Society 3 hrs

History
Select 1:
- AMH 3561 Women in American History I or 3 hrs
- ANH 4110 Colonial America, 1607-1763 or 3 hrs
- ANH 4130 The Age of the American Revolution, 1763-1789 or 3 hrs
- AMH 4311 American Culture I or 3 hrs
- AMH 4313 American Culture II 3 hrs

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
- 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.

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.

Minor Requirements
- Students must earn a grade of “C” (2.0) or better in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department of Anthropology.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (3 hrs)
- ANT 2000 General Anthropology 3 hrs

Restricted Electives (15 hrs)
A. Concentration in General Anthropology
- ANT 2140 Archaeology and the Rise of Human Culture 3 hrs
- ANT 2410 Cultural Anthropology 3 hrs
- ANT 2511 The Human Species 3 hrs

Complete at least two of the following courses; 6 hrs
Select two upper level (3000-5000) courses in Anthropology

B. Concentration in Archaeology
- ANT 2140 Archaeology and the Rise of Human Culture 3 hrs

Complete at least four of the following courses; 12 hrs
- ANT 3106 Archaeology and Popular Culture or 3 hrs
- ANT 3115 Archaeological Method and Theory or 3 hrs
- ANT 3142 Old World Prehistory or 3 hrs
- ANT 3145 Archaeology of Complex Societies or 3 hrs
- ANT 3148 Life and Death in Ancient Egypt or 3 hrs
- ANT 3152 Indians of the Southwest or 3 hrs
- ANT 3158 Florida Archaeology or 3 hrs
- ANT 3160 Americas Before Columbus or 3 hrs
- ANT 3161 Archaeology of Mexico or 3 hrs
- ANT 3163 Mesoamerican Archaeology or 3 hrs
- ANT 3164 Ancient Incas or 3 hrs
- ANT 3165 Archaeology of South America or 3 hrs
- ANT 3168 Maya Archaeology or 3 hrs
- ANT 3173 Archaeology of Sex or 3 hrs
- ANT 3177 Archaeology of Caribbean Piracy or 3 hrs
- ANT 4144 Prehistory of North America or 3 hrs
- ANT 4153 North American Archaeology or 3 hrs
- ANT 4190C Seminar in Laboratory Analysis or 3 hrs
- 1 ANT 4183 Archaeological Sciences or 3 hrs
- 1 ANT 4184 Mortuary Archaeology or 3 hrs
- ANT 4824 Advanced Archaeological Fieldwork or 9 hrs
- ANG 5822 Maya Field Research or 3 hrs
- ANG 5166 Problems in Maya Studies or 3 hrs
- ANG 5167 Maya Hieroglyphs or 3 hrs
- ANG 5228 Maya Iconography 3 hrs

1 or its graduate equivalent.

C. Concentration in Physical Anthropology
- ANT 2511 The Human Species 3 hrs

Complete at least four of the following courses; 12 hrs
- ANT 3148 Life and Death in Ancient Egypt or 3 hrs
- ANT 3541 Biobehavioral Anthropology or 3 hrs
- ANT 3550 Primatology or 3 hrs
- ANT 4183 Archaeological Sciences or 3 hrs
- 1 ANT 4184 Mortuary Archaeology or 3 hrs
Minors

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 462</td>
<td>Medical Anthropology or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 ANT 467</td>
<td>Nutritional Anthropology or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4516</td>
<td>Human Biological Diversity or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4521</td>
<td>Forensic Anthropology or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4529C</td>
<td>Human Osteology or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ANT 4528C</td>
<td>Advanced Forensic Anthropology or</td>
<td>5 hrs</td>
</tr>
<tr>
<td>ANT 4560</td>
<td>Anthropological Perspectives on Human Growth or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4586</td>
<td>Human Origins or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANG 5742</td>
<td>Problems in Forensic Anthropology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

* or its graduate equivalent.

D. Concentration in Cultural Anthropology

Complete at least four of the following courses; 12 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 3152</td>
<td>Indians of the Southwest or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3164</td>
<td>Ancient Incas 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>ANT 3241</td>
<td>Magic, Ritual, and Belief or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3245</td>
<td>Native American Religions or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3262</td>
<td>Rural Society or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3273</td>
<td>Law and Culture or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3302</td>
<td>Sex, Gender and Culture or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3311</td>
<td>Indians of the Southeastern United States or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3312</td>
<td>Ethnology of North American Indians or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3313</td>
<td>Indians of North America High Plains or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3314</td>
<td>Indians of the Northeast Woodlands or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3318</td>
<td>Indians of the Northwest Coast or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3398</td>
<td>Black/Semiole Relations or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 ANT 4332</td>
<td>People and Cultures of Latin America or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 ANT 4303</td>
<td>Anthropology of Tourism or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3701</td>
<td>Applied Anthropology or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 ANT 4702</td>
<td>Culture, Power and Development or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4802</td>
<td>Ethnographic Field Methods or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3363</td>
<td>Anthropology of Japan or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 ANT 3610</td>
<td>Language and Culture or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 ANT 4340</td>
<td>Caribbean Cultures or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3319</td>
<td>Anthropology of Diaspora or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4034</td>
<td>History of Anthropological Thought or</td>
<td>3 hrs</td>
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<tr>
<td>ANT 4266</td>
<td>Economic Anthropology: Production, Consumption, and Exchange or</td>
<td>3 hrs</td>
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<tr>
<td>ANT 4308</td>
<td>Gender Issues in Latin America or</td>
<td>3 hrs</td>
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<tr>
<td>ANT 4352</td>
<td>African Societies and Cultures or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4354</td>
<td>Postcolonial Africa or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4408</td>
<td>Culture, Disease, and Healing or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANG 5167</td>
<td>Maya Hieroglyphs or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANG 5228</td>
<td>Maya Iconography or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANG 5622</td>
<td>Language, Culture and Pedagogy</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

* or its graduate equivalent.

Minor Admission Requirements

- None

Minor Requirements

- Students must earn a grade of “C” (2.0) or better in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department of Anthropology.

Prerequisite Courses

- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (3 hrs)

Select 1:

<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 or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 2410</td>
<td>Cultural Anthropology or</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Restricted Electives (15 hrs)

- Select five of the following. Substitutions require prior consent of the Anthropology Coordinator.

Antoniology of Latin America or

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 3164</td>
<td>Ancient Incas 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>ANT 3241</td>
<td>Magic, Ritual, and Belief or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3245</td>
<td>Native American Religions or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3262</td>
<td>Rural Society or</td>
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<tr>
<td>ANT 3273</td>
<td>Law and Culture or</td>
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<td>Indians of the Southeastern United States or</td>
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<tr>
<td>ANT 3313</td>
<td>Indians of North America High Plains or</td>
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</tr>
<tr>
<td>ANT 3314</td>
<td>Indians of the Northeast Woodlands or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3318</td>
<td>Indians of the Northwest Coast or</td>
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<td>3 hrs</td>
</tr>
<tr>
<td>1 ANT 4332</td>
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<tr>
<td>1 ANT 4303</td>
<td>Anthropology of Tourism or</td>
<td>3 hrs</td>
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<tr>
<td>ANT 3701</td>
<td>Applied Anthropology or</td>
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<tr>
<td>1 ANT 4702</td>
<td>Culture, Power and Development or</td>
<td>3 hrs</td>
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<tr>
<td>ANT 4802</td>
<td>Ethnographic Field Methods or</td>
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<td>ANT 3363</td>
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<td>ANT 4266</td>
<td>Economic Anthropology: Production, Consumption, and Exchange or</td>
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<td>ANG 5228</td>
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<td>3 hrs</td>
</tr>
<tr>
<td>ANG 5622</td>
<td>Language, Culture and Pedagogy</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

* 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.
- 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.cah.ucf.edu/

Donna Mercado, 407-823-6100

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses (18 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 2050</td>
<td>History of Western Art I</td>
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</tr>
<tr>
<td>ARH 2051</td>
<td>History of Western Art II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2201C</td>
<td>Design Fundamentals-Two Dimension</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2203C</td>
<td>Design Fundamentals-Three Dimension</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 3950</td>
<td>Portfolio Review</td>
<td>0 hrs</td>
</tr>
</tbody>
</table>

Restricted Electives (6 hrs)

- Six semester hours of studio art in one area of specialization at the 3000-4000 level
Foreign Language Requirements
- None

Total Semester Hours Required
- 24

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- At least six of the required hours must be regularly scheduled 3000-4000 level courses in one area of specialization and taken at UCF.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the School of Visual Arts and Design.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- Students in this program must satisfactorily complete the mandatory ART 3950 - Portfolio Review before enrolling in upper division ART courses.

Art History - Minor
College of Arts and Humanities
School of Visual Arts and Design, Visual Arts Building, Room: 117
http://www.svad.cah.ucf.edu/
Donna Mercado, 407-823-6100

The School of Visual Arts and Design affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, art courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses
- Required Courses (20 hrs)
  - ARH 2050 History of Western Art I 3 hrs
  - ARH 2051 History of Western Art II 3 hrs
  - ARH 4310 Italian Renaissance Art 3 hrs
  - ARH 4430 19th Century Art 3 hrs
  - ARH 4450 20th Century Art 3 hrs
  - ARH 3520 African Art or
  - ARH 4540 Art of India or
  - ARH 4653 Meso American Art 3 hrs

Non-Western Course Requirement
- Select 1: 3 hrs
  - ARH 3520 African Art or
  - ARH 4540 Art of India or
  - ARH 4653 Meso American Art

Restricted Electives
- (9 hrs)
  - ARH 4200 Medieval Art 3 hrs
  - ARH 4350 Baroque Art 3 hrs
  - ARH 4800 Theory and Criticism of the Visual Arts 3 hrs
  - ARH 4871 Women in Art 3 hrs

6 Hours of electives
- 6 hrs
  - Two additional ARH 3XXX-4XXX courses

Foreign Language Requirements
- None

Total Semester Hours Required
- 27

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 School of Visual Arts and Design.
- 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
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

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses
- Required Courses (3 hrs)
  - HUM 3401 Asian Humanities 3 hrs

Restricted Electives
- (18 hrs)
  - Approved courses (see department for listing)

Foreign Language Requirements
- One year or the equivalent proficiency examination (0-8 hrs).
- Students taking foreign language classes must complete at least six hours in the sequence chosen (e.g. Chinese, Japanese).

Total Semester Hours Required
- 21

Astronomy - Minor
College of Sciences
Department of Physics, Math and Physics, Room: 310
E-mail: physics@ucf.edu
Dr. Humberto Campins
Phone: 407-823-3205

Minor Admission Requirements
- The minor is not open to Physics majors with an Astronomy specialization.

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 9 hours used in the minor must be earned at UCF within the department of Physics.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses
- Required Courses (20 hrs)
  - AST 2002 Astronomy 3 hrs
  - AST 2002L Astronomy Lab 1 hr
  - PHY 2046C Physics for Engineers & Scientists I 4 hrs
  - AST 3110 Solar System Astronomy 3 hrs
  - AST 3211 Stellar Astrophysics 3 hrs
  - AST 3402 Galaxies and Cosmology 3 hrs
  - AST 3722C Techniques of Observational Astronomy 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None
Minors

Total Semester Hours Required
- 20

Other Requirements
- No credit by exam (TSD, Military credit) may be used toward the minor.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Bioengineering - Minor

College of Engineering and Computer Science
Engineering, Room: 107
http://www.cecs.ucf.edu/minors/bioengineering
Dr. Alain Kassab, Engineering Track, alain.kassab@ucf.edu, 407-823-5778
Dr. Charles Hughes, Computer Science Track, ceh@cs.ucf.edu, 407-823-2762

The Bioengineering minor prepares engineering and computer science students to pursue graduate academic and professional careers serving a wide range of the medical arena in research and development. Candidates completing this minor will also satisfy course admissions requirements for the UCF Medical School and other medical schools in the US. Engineering and computer science students interested in pursuing an MD degree at UCF or elsewhere are strongly encouraged to seek further advisement from the Office of Pre-Professional Advisement or the Pre-Health Professions Advisement office. The minor constitutes up to: (a) a one semester course for students with a strong chemistry background and a high Chemistry Placement score - A one semester course for students with a strong chemistry background and a high Chemistry Placement score.

Minor Admission Requirements
- Admission Requirements: Entrance into the minor is required upon admission to the University and requires a minimum high school unweighted GPA 3.7, and ACT 30 or SAT 1300. Well-qualified students in the College of Engineering and Computer Science of at least junior standing can also be considered for admission into the minor. In order to remain in the program, students must maintain a UCF Undergraduate GPA 3.0. Candidates should contact the CECS Academic Affairs Office, bioengineering@ucf.edu, for application into the minor. Applications will be reviewed and decisions rendered by an admissions committee.

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (35 hrs)
- PHY 2048C Physics for Engineers & Scientists I 4 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 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
- CHM 2211 Organic Chemistry II 3 hrs
- EGN 4941 Internship 1 hr

Restricted Electives (6 hrs)
- Students will select either the Engineering Track or Computer Science Track to define their elective choices.

Engineering Track
6 hrs
Select 1:
- EMA 5584 Biomedical or 3 hrs
- EML 5760 Biofluid Mechanics or 3 hrs
- EEE 5272 Biomedical Sensors or 3 hrs
- EES 4111C Biological Process Control or 3 hrs
- EIN 5248C Ergonomics 3 hrs

Select 1:
- CAP 5512 Evolutionary Computation or 3 hrs
- BCH 4053 Biochemistry I or 3 hrs
- BSC 3403C Quantitative Biological Methods or 4 hrs
- BSC 5418 Tissue Engineering or 3 hrs
- MCB 3020C General Microbiology or 5 hrs
- PCB 3522 Molecular Biology I or 3 hrs
- PCB 3703C Human Physiology or 4 hrs

ZOO 3733C Human Anatomy or 4 hrs
ZOO 3744 Neurobiology or 3 hrs
PCB 3063 Genetics 3 hrs

Computer Science Track
6 hrs
Select 1:
- CAP 5512 Evolutionary Computation or 3 hrs
- C0T 6417 Algorithms on Strings and Sequences 3 hrs

Select 1:
- BCH 4053 Biochemistry I or 3 hrs
- BSC 3403C Quantitative Biological Methods or 4 hrs
- BSC 5418 Tissue Engineering or 3 hrs
- MCB 3020C General Microbiology or 5 hrs
- PCB 3522 Molecular Biology I or 3 hrs
- PCB 3703C Human Physiology or 4 hrs
ZOO 3733C Human Anatomy or 4 hrs
ZOO 3744 Neurobiology or 3 hrs
PCB 3063 Genetics 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 41

Other Requirements
- Open only to engineering and computer science majors.
- A grade of “B” (3.0) or better is required in each course used to satisfy the minor.
- The Bachelors of Science must be completed in order for the minor to be awarded.

Biology - Minor

College of Sciences
Department of Biology, Biology, Room: 301
http://www.cos.ucf.edu/biology
E-mail: biology@ucf.edu
Frank Logiudice
Phone: 407-823-2141

Minor Admission Requirements
- The minor is not open to Biology or Biology Preprofessional majors.

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted in the minor.
- At least 15 hours used in the minor must be earned at UCF within the 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 2210 Organic Chemistry I 3 hrs
- CHM 2211 Organic Chemistry II 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

NOTE: These courses are considered as equivalent.
- Prior to enrolling in CHM 2045C, take Chemistry Placement Test. Instructions are at http://chemplacement.sdes.ucf.edu
- A one semester course for students with a strong chemistry background and a high Chemistry Placement score CHM 2045C Chemistry Fundamentals I 4 hrs
- or - Students with little chemistry background should take this two semester equivalent instead.
  - CHM 2040 Chemistry Fundamentals IA and 3 hrs
  - CHM 2041 Chemistry Fundamentals IB 3 hrs

Restricted Electives
- None
Minors

Biomedical Sciences - Minor
College of Medicine
Burnett School of Biomedical Sciences
Department of Molecular and Microbiology, Health and Public Affairs II, Room: 335
http://www.biomed.ucf.edu
E-mail: bcbsinfo@mail.ucf.edu
Dr. P.E. Kolattukudy, Chair
Phone: 407-823-5932

Minor Admission Requirements
■ None

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses (23 hrs)
BSC 2010C Biology I 4 hrs
MCB 3020C General Microbiology 5 hrs
PCB 3233L Immunology Laboratory 1 hr
PCB 3052 Molecular Biology I 3 hrs
PCB 4524 Molecular Biology II 3 hrs
BSC 3403C Quantitative Biological Methods 4 hrs

Select 1: 3 hrs
PCB 3233 Immunology or
PCB 4239 Molecular Immunology 3 hrs

Restricted Electives (7 hrs)
■ At least two courses from the Restricted Elective category of the baccalaureate curriculum.

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 31

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.

Chemistry - Minor
College of Sciences
Department of Chemistry, Chemistry, Room: 117
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.

Minor 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 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.

Prerequisite Courses
■ Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (20 hrs)
CHM 2041C 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
CHM 3120 Analytical Chemistry 3 hrs
CHM 3120L Analytical Chemistry Laboratory 1 hr

NOTE: These courses are considered to be equivalents:
- A one semester course for students with high Chem Placement scores:
  CHM 2045C Chemistry Fundamentals I 4 hrs
or - Students with little chemistry background should take 2 this semester equivalent instead.
  CHM 2040 Chemistry Fundamentals IA and 3 hrs
  CHM 2041 Chemistry Fundamentals IB 3 hrs

Restricted Electives (8 hrs)
■ At least one course must be selected from group I and the remaining from group I or group II

Group I: Select at least one course
BCH 4103L Biochemical Methods 2 hrs
CHS 3530C Forensic Analysis of Controlled Substances 4 hrs
CHM 3411L Physical Chemistry Laboratory 2 hrs
CHM 3212L Organic Laboratory Techniques II 2 hrs
CHM 4130 Advanced Analytical Laboratory Technique 3 hrs
CHM 5451C Techniques in Polymer Science 3 hrs
Coaching - Minor
College of Education
Department of Child, Family and Community Sciences,
Education Building, Room: 209
Dr. Jay Hoffman, Program Coordinator, ED 320H, jhoffman@ucf.edu

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

Minor Requirements
None

Prerequisite Courses
None

Required Courses (15 hrs)
1 ATR 2010C Athletic Injuries: Mechanisms and Prevention 3 hrs
PET 3765 Coaching Theory 3 hrs
PET 4215 Motivational Aspects of Athletic Performance 3 hrs
PET 4763 Coaching Methods and Principles 3 hrs
SPM 3204 Sports and Ethics 3 hrs
Select 1: 3 hrs
PEO 2624 Coaching Basketball or 3 hrs
PEO 3644 Coaching Football or 3 hrs
PEO 3324 Coaching Volleyball 3 hrs

1 If the student has completed this course at a community college, it can be transferred into the program.

Restricted Electives
None

Foreign Language Requirements
None

Total Semester Hours Required
18
MAP 4103 Mathematical Modeling I or II
PHI 2101 Formal Logic I or II
PHI 2108 Critical Thinking or
PHI 3626 Advanced Ethics in Science and Technology
PHI 4321 Philosophies of Embodiment: Mind/Body/Self or
PSY 3213C Research Methods in Psychology or
PHI 4500 Metaphysics or
PSY 4025 The Psychology of Art

Foreign Language Requirements
- None

Total Semester Hours Required
- 21

Other Requirements
- A minimum grade of “C” (2.0) is required in all courses used to satisfy the minor.
- No more than 12 credit hours may be used toward credit for a major and the cognitive sciences minor.
- No credit by exam (TSD, Military credit) may be used toward the minor.
- At least 15 hours used in the minor must be earned at UCF.
- No more than 12 credit hours may be used both toward credit for a major and the minor.
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the School of Visual Arts and Design.
- No credit by exam (TSD, Military credit) may be used toward the minor.

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
TBA

Licensed Speech-Language Pathology and Audiology Assistant: This state license may be obtained by completing the minor.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses
- None

Required Courses
- Communication Disorders in Literature and Media
- Basic Phonetics
- Basic Phonetics Lab
- Language Development
- Language Development Lab
- Physiological Bases of Speech and Hearing
- Audiology
- Language Disorders Across the Life Span
- Speech Disorders Across the Lifespan

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 21

Other Requirements
- A minimum grade of “C-” (1.75) is required in all courses used to satisfy the minor.
- Students must earn an overall minimum of 2.0 GPA in the courses used to complete the minor.
- At least 19 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study requires prior approval from the advisors to be used toward the minor.

Computer Science - Minor
College of Engineering and Computer Science
Department of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 346
http://www.eecs.ucf.edu
Dr. Mark Llewellyn, markl@cs.ucf.edu
Phone: 407-823-3327

Minor Admission Requirements
- Not open to Computer Engineering, Computer Science or Information Technology majors.

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses
- Introduction to Programming with C
- Object Oriented Programming
- Computer Science I
- Computer Science II
- Computer Logic and Organization
- Foundations of Discrete Math

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 19

Other Requirements
- Not open to Computer Engineering, Computer Science or Information Technology majors.
- A grade of “C” (2.0) or better is required in each course used to satisfy the minor.

Community Arts - PAVE - Minor
School of Visual Arts and Design, Visual Arts Building, Room: 117
http://www.svad.cah.ucf.edu/
TBD

Minor Admission Requirements
- None

Minor Requirements
- Partners in Art in Visual Education (PAVE)
- A minor in Community Arts-PAVE is offered for the student who is majoring in Art, Music, Theatre, or English (with a Creative Writing focus).
Students interested in the minor should contact the department chair.

Prerequisite Courses
- None

Required Courses
- None

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the School of Visual Arts and Design.
- No credit by exam (TSD, Military credit) may be used toward the minor.

Other Requirements
- A minimum grade of “C-” (1.75) is required in all courses used to satisfy the minor.
- Students must earn an overall minimum of 2.0 GPA in the courses used to complete the minor.
- At least 19 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study requires prior approval from the advisors to be used toward the minor.
Minors

At least 9 hours used in the minor must be earned within Computer Science at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, cooperative education, or Independent Study credit cannot be used toward the minor.

Crime, Law, and Deviance - Minor
College of Sciences
Department of Sociology, Howard Phillips Hall, Room: 403
http://sociology.ucf.edu
Dr. Jay Corzine, sociology@ucf.edu, 407-823-3744

The Crime, Law, and Deviance minor examines matters of sociological interest related to the study and understanding of deviant, delinquent, and criminal behavior, the relationship between law and society, and victimology. The minor facilitates an understanding of crime and deviance from a sociological perspective and prepares students for careers and graduate school in related fields.

Minor Admission Requirements
- The minor is not open to Sociology majors.
- Courses used to satisfy the Restricted Electives of this minor cannot be used to satisfy other Sociology minors.

Minor Requirements
- Students 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.

Prerequisite Courses
- Students must satisfy each course's prerequisites before enrolling in the class.

Required Courses (11 hrs)
- SYG 2000 Introduction to Sociology 3 hrs
- SYG 2010 Social Problems 3 hrs

Restrictive Electives (12 hrs)
- Select four courses from the following:
  - SYG 3510 Sociology of Deviant Behavior 3 hrs
  - SYP 3511 Sociology of Murder 3 hrs
  - SYP 3530 Juvenile Delinquency 3 hrs
  - SYP 3540 Sociology of Law 3 hrs
  - SYP 3562 Patterns of Domestic Violence in Society 3 hrs
  - SYP 4514 Patterns of Violence in Society 3 hrs
  - SYP 4521 Crime Victims in Society 3 hrs
  - SYP 4536 Gangs and Society 3 hrs

Other Requirements
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

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

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (6 hrs)
- CCJ 3024 Criminal Justice System 3 hrs
- CCJ 3014 Crime in America 3 hrs

Restrictive Electives (12 hrs)
Select 2:
- CJC 3510 Prosecution and Adjudication or
- CJC 3010 Corrections and Penology or
- CJE 4014 Police and Society 3 hrs

Six semester hours of Criminal Justice courses (selected with aid of an advisor) 6 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- 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.

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.

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (11 hrs)
- DAN 3134 Dance History I 3 hrs
- DAA 3612 Dance Improvisation/Composition I 3 hrs
- DAA 2100C Modern Dance I 2 hrs
- DAA 2200C Ballet I 2 hrs
- DAA 3684 Dance Performance 1 hr

Restricted Electives (7 hrs)
- DAA 2200C Ballet I 2 hrs
- DAA 3684 Dance Performance 1 hr
- TPA 2290L Theatre Participation-Production I 1 hr

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- Earn a grade of “C” (2.0) or better in all courses used to satisfy the minor.
- Student must consult dance advisor every semester. Students who do not consult with their dance advisor will be placed on departmental probation for one semester which causes him/her to be ineligible for casting or other production positions. Repeated failure to consult with a department advisor will lead to release from the program.
- At least 14 hours used in the minor must be earned at UCF within the department.
Minors

Diversity and Social Inequality - Minor
College of Sciences
Department of Sociology, Howard Phillips Hall, Room: 403
http://sociology.ucf.edu
Dr. Jay Corzine, sociology@ucf.edu, 407-823-3744

The Diversity and Social Inequality Minor examines the sociological study of class, status, and power in contemporary global society. The minor facilitates the understanding of social inequalities related to age, gender, race and ethnicity, social class and stratification, sexual orientation, religion, and family. The minor prepares students for careers and graduate school in a variety of fields.

Digital Media - Minor
College of Arts and Humanities
School of Visual Arts and Design
http://www.svad.cah.ucf.edu
Phone: 407-823-6100

Minor Admission Requirements
None

Minor 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 3138C Digital Imagery 3 hrs
- DIG 3168C Internet Interaction 3 hrs

Restricted Electives
(6 hrs)
- Select two courses:
  - Or - any 3000 or 4000 level courses approved by the School of Visual Arts and Design.

DIG 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
18

Other Requirements
A minimum grade of “C” (2.0) or better is required in each course used to satisfy the minor, except in DIG 2000 where a “B” (3.0) or better is required.

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.

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/
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
The minor is not open to Sociology majors.
Courses used to satisfy the Restricted Electives of this minor cannot be used to satisfy other Sociology minors.

Minor Requirements
- Students 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.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses
(6 hrs)
- SYO 3530 Social Power and Inequality 3 hrs
- SYG 2000 Introduction to Sociology or 3 hrs
- SYG 2010 Social Problems 3 hrs

Restricted Electives
(12 hrs)
- Select four courses from the following:
  - SYD 3410 Urban Society 3 hrs
  - SYD 3700 Race and Ethnicity 3 hrs
  - SYD 3800 Sex and Gender in Society 3 hrs
  - SYD 4810 Women in Contemporary Society 3 hrs
  - SYD 4813 Women, Law and Social Change 3 hrs
  - SYO 4100 Family Trends 3 hrs
  - SYO 4200 Religion in Society 3 hrs
  - SYP 4454 Global Inequality and Society 3 hrs
  - SYP 4732 Minority Aging 3 hrs

Foreign Language Requirements
None

Total Semester Hours Required
18

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op or Independent Study credit cannot be used toward the minor.
Minors

- At least 12 hours used in the minor must be earned at UCF.

Prerequisite Courses
- None

Required Courses (18 hrs)

- EEC 4661 Early Childhood Education Theory and Practice 3 hrs
- RED 3310 Early Reading, Writing and Language Arts Curriculum Activities in Early Childhood 3 hrs
- EEC 4604 Classroom Management and Guidance of Young Children 3 hrs
- EEC 3700 Social and Emotional Development of Young Children 3 hrs
- EEX 4751 Parent Involvement in Education 3 hrs
- EEC 4303 Planning Creative Activities in Early Childhood Education 3 hrs

Restricted Electives (3 hrs)
Choose one:
- MAE 4300 Math Curriculum and Assessment in Early Childhood 3 hrs
- SCE 4304 Teaching Science and Technology to Young Children 3 hrs
- RED 4311 Primary Reading, Writing, and Language Arts Curriculum and Assessment 3 hrs
- EEX 3450 Young Children With Special Needs 3 hrs
- EEX 4604 Classroom Management and Guidance of Young Children 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 21

Other Requirements
- None

Economic Policy - Minor

College of Business Administration

Department of Economics, Business Administration II, Room: 305

Economics - Minor

College of Business Administration

Department of Economics, Business Administration II, Room: 305

http://www.bus.ucf.edu/economics

Michael Caputo, mcaputo@bus.ucf.edu
David Scrogin, 407-823-4129
Nora Underwood, BA2 302N, 407-823-1403
Phone: 407-823-3266

(for both Business Majors and non-Business Majors)

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (9 hrs)

- ECO 2013 Principles of Macroeconomics 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs
- ECO 3101 Intermediate Microeconomics 3 hrs
- ECO 3203 Intermediate Macroeconomics 3 hrs
- ECO 3401 (or equivalents) is a pre-requisite for the following:
- ECO 3101 Intermediate Microeconomics 3 hrs
- ECO 3203 Intermediate Macroeconomics 3 hrs

Select 4:

Restricted Electives (12 hrs)

Select 4:

- ECO 3223 Money and Banking 3 hrs
- ECO 3704 Global Economic Policy 3 hrs
- ECO 4303 History of Economic Thought 3 hrs
- ECO 4751 Law and Economics 3 hrs
- ECP 3302 Economics and the Environment 3 hrs
- ECP 3306 Economics of Sports 3 hrs
- ECS 4013 Development Economics 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” 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.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.
Minors

Education - Minor
College of Education
School of Teaching, Learning, and Leadership,
Education Building, Room: 220B
http://education.ucf.edu/
Dr. W. Scott 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 in the fields of professional education. Students who successfully complete this minor can expect to increase their marketability in careers that include educational components such as instructing, training, and lecturing. This minor is designed to promote student success in instructional settings, particularly in the high school setting, but does not directly qualify students for teacher certification or admission into the College of Education. This minor is available for students in the 2007 catalog year and beyond.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (15 hrs)
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs
- EDF 4410 Teaching Strategies and Classroom Management 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

Restricted Electives (3 hrs)
- Select one
  - MAE 4834 Programs in Teaching of Mathematics 3 hrs
  - SSE 4936 Programs in Teaching Social Science 3 hrs
  - LAE 4342 Programs in Teaching Language and Composition 3 hrs
  - LAE 4464 Survey of Adolescent Literature 3 hrs
  - SCE 4381 Programs in Teaching 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.
- Grades below “C” (2.0) or “S” grades are not accepted.

NOTE:
- Completion of the minor does not complete the requirements for teacher certification 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.

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 expectations of risk reduction and public leadership, this is an exciting area of study. Students who complete a minor in emergency management and homeland security gain additional insight and knowledge that will help them find positions in various federal, state and local government or nonprofit organizations. Some of these may include the Health and Human Services Agency (HHS), the Environmental Protection Agency (EPA), the Occupational Health and Safety Administration (OSHA), the Federal Emergency Management Agency (FEMA), the Department of Homeland Security (DHS), American Red Cross, and state and local homeland security agencies.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (15 hrs)
- PAD 4110 Intergovernmental Administration 3 hrs
- PAD 4392 Emergency Management and Homeland Security 3 hrs
- PAD 4712 Information Systems for Public Managers and Planners 3 hrs
- PAD 4395 Disaster Response and Recovery 3 hrs
- PAD 4390 Hazard Mitigation and Preparedness 3 hrs

Restricted Electives (3 hrs)
- Select one
  - DSC 4012 Terrorism or Teaching Strategies and Classroom Management 3 hrs
  - DSC 4013 Homeland Security and Criminal Justice 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- At least 15 hours used in the minor must be earned at UCF within the department.
- Internship or Independent Study cannot be used toward the minor.
- Students must earn a “C” (2.0) or better in each course in the minor.

Energy and Sustainability - Minor
College of Engineering and Computer Science
Engineering, Room: 107
CECS Academic Affairs
http://www.cecs.ucf.edu
Paul Edlen, paul.edlen@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
- A minimum GPA of 2.25 is required for acceptance into this minor degree program.

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (12 hrs)
- EGN 4824 Energy and Society 3 hrs
- IDS 4204C Advanced Topics on Energy and Sustainability 3 hrs

Select one
- GEB 4152 Technological Entrepreneurship or IDS 4949 Cooperative Education 3 hrs

1 Proposals must be approved by the Energy and Sustainability minor program coordinator in cooperation with faculty from the Office of Experiential Learning.
Minors

Restricted Electives (6 hrs)

- Select any two elective courses from the following courses:

Energy Systems Design
- EEL 4216 Fundamentals of Electric Power Systems 3 hrs
- EML 4411 Mechanical Power Systems 3 hrs
- EML 4454 Turbines for Sustainable Power 3 hrs
- EML 4600 HVAC Systems Engineering 3 hrs
- EML 4602 Applied HVAC Engineering 3 hrs

Water, Environment and Waste Management
- ENV 3001 Introduction to Environmental Engineering 3 hrs
- ENV 4120 Air Pollution Control 3 hrs
- ENV 4341 Solid & Hazardous Waste Management 3 hrs
- ENV 4561 Environmental Engineering Operations & Processes II 3 hrs

Business and Public Policy
- ECP 3302 Economics and the Environment 3 hrs
- ECP 4303 Environmental and Natural Resource Economics or 3 hrs
- REE 3614 Environmental Issues for Real Estate 3 hrs

Social and Ethical Dimensions
- INR 4350 Global Environmental Politics or 3 hrs
- INR 4351 International Environmental Law or 3 hrs
- PAD 4351 Issues in Environmental Program 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 4209 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
Dr. Timothy Kotnour
Phone: 407-823-5645

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 and career viability as they enter the engineering profession.
- Only open to CECS undergraduate students
- A minimum GPA of 3.0 is required for acceptance into this minor degree program

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (18 hrs)
- EGN 4624 Engineering Administration 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, Cobourn Hall, Room: 405
http://english.cah.ucf.edu/
E-mail: english@mail.ucf.edu
Dr. Patrick Murphy, 407-823-5596

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (6 hrs)
- CRW 3013 Creative Writing for English Majors 3 hrs
- CRW 3053 Theory & Practice of Creative Writing 3 hrs

Restricted Electives (6 hrs)
- Select one course after completing CRW 3013

Select one course
- CRW 3120 Fiction Writing Workshop 3 hrs
- CRW 3211 Creative Nonfiction Writing 3 hrs
- CRW 3310 Poetry Writing Workshop 3 hrs
- CRW 3610 Writing Scripts 3 hrs

Select one course
- CRW 4122 Advanced Fiction Writing Workshop 3 hrs
- CRW 4224 Advanced Nonfiction Workshop 3 hrs
- CRW 4320 Advanced Poetry Writing Workshop 3 hrs
- CRW 4616 Advanced Scriptwriting Workshop 3 hrs

Please note that students will be allowed to take only one course in each of the above categories. Students wishing to take more workshop courses should consider a double major.

Restricted Upper Division Electives--select three courses

Select one course
- CRW 3550 Myth and Allegory 3 hrs
- CRW 3610 Writing Scripts 3 hrs
- CRW 3650 Writing for Nonfiction 3 hrs
- CRW 4320 Advanced Poetry Writing Workshop 3 hrs
- CRW 4616 Advanced Scriptwriting Workshop 3 hrs
- CRW 5310 Writing Workshop 3 hrs
- CRW 5650 Writing for Nonfiction 3 hrs
- CRW 5850 Writing for Children 3 hrs

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 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.

UNIVERSITY OF CENTRAL FLORIDA
336 Undergraduate Catalog 2011-2012
**English - Linguistics - Minor**

**College of Arts and Humanities**  
Department of English, Colbourn Hall, Room: 405  

**E-mail:** english@mail.ucf.edu  
Dr. Patrick Murphy, 407-823-5596

**Minor Admission Requirements**  
- None

**Minor Requirements**  
- None

**Prerequisite Courses**  
- None

**Required Courses**  
- (9 hrs)
  - LIN 3010  Principles of Linguistics  3 hrs
  - LIN 4105  History of the English Language  3 hrs
  - LIN 4680  Modern English Grammar  3 hrs

**Restricted Electives**  
- (9 hrs)
  - LIN 4643  Cross Cultural Communication  3 hrs
  - LIN 4660  Linguistics and Literature  3 hrs
  - LIN 4901  Language and Meaning  3 hrs
  - LIN 5137  Linguistics  3 hrs
  - ANT 3610  Language and Culture  3 hrs
  - PHI 4400  Philosophy of Science  3 hrs
  - PHI 4221  Philosophy of Language  3 hrs
  - SPA 3112  Basic Phonetics  3 hrs
  - Or any course approved by the Linguistics Committee  3 hrs

**Foreign Language Requirements**  
- None

**Total Semester Hours Required**  
- 18

**Other Requirements**  
- A grade of “C” (2.0) or better is required in each course used to satisfy the minor.
- At least 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.

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**English - Literature - Minor**

**College of Arts and Humanities**  
Department of English, Colbourn Hall, Room: 405  

**E-mail:** english@mail.ucf.edu  
Dr. Patrick Murphy, 407-823-5596

**Minor Admission Requirements**  
- None

**Minor Requirements**  
- None

**Prerequisite Courses**  
- None

**Required Courses**  
- (3 hrs)
  - ENG 3014  Theories and Techniques of Literature Study  3 hrs

**Restricted Electives**  
- (18 hrs)
  - English courses with AML, ENG, ENL, or LIT prefixes chosen by student and departmental advisor.

**Foreign Language Requirements**  
- None

**Total Semester Hours Required**  
- 18

**Other Requirements**  
- A grade of “C” (2.0) or better is required in each course used to satisfy the minor.
- At least 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.

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**English Language Arts Education - Minor**

**College of Education**  
School of Teaching, Learning, and Leadership,  
Education Building, Room: 209  

**E-mail:** english@mail.ucf.edu  
Dr. Jeff Kaplan, ED 122B, jkaplan@mail.ucf.edu  
Dr. Janet Andreasen, ED 123Q, jandreas@mail.ucf.edu, 407-823-5430  
Phone: 407-823-2041

**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

**Minor Requirements**  
- None

**Prerequisite Courses**  
- None

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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.

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No credit by exam (TSD, Military credit) may be used.
Internship, Co-op, or Independent Study credit cannot be used toward the minor.
### Minors

#### Required Courses (18 hrs)
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
- LAE 4360 English Instructional Analysis 3 hrs
- LAE 4342 Programs in Teaching Language and Composition 3 hrs

#### Other Requirements
- A C- or better is required in these courses
- Students should see an advisor prior to registering for classes
- Students must complete 18 hrs of courses in English Language Arts as co-requisites
- Obtain a minimum 2.5 GPA in courses required for minor
- At least 12 hours in the minor must be earned at UCF

### Entrepreneurship: Business - Minor

#### College of Business Administration

**Department of Management, Business Administration I, Room: 309**

**http://www.cei.ucf.edu**

Dr. Cameron Ford, cford@bus.ucf.edu

Phone: 407-823-5569

The Entrepreneurship business minor offers students the opportunity to foster a strong business acumen that is essential to success in any career. The diverse classes available allow business undergraduates to explore the many career paths including self-employment/contracting, starting a company, working in small business, and leading corporate innovation and change initiatives.

#### Minor Admission Requirements
- None

#### Minor Requirements
- None

#### Prerequisite Courses
- None

#### Required Courses (19 hrs)

**Required Introductory Courses** 10 hrs
- GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
- MAR 3023 Marketing 4 hrs

**Select 1:** 3 hrs
- GEB 3113 How to Start a Business
- 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:** 3 hrs
- GEB 4152 Technological Entrepreneurship
- MAN 4802 Entrepreneurship 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.
- 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.

### Entrepreneurship: For Non-Business Majors - Minor

#### College of Business Administration

**Department of Management, Business Administration I, Room: 309**

**http://web.bus.ucf.edu/**

All UCF Undergraduates have the opportunity to realize their professional goals through the Entrepreneurship Minor for Non-Business Majors. The 19-credit minor complements any degree program, providing students with business insights that are focused on career development more than ownership.

#### Minor Admission Requirements
- None

#### Minor Requirements
- None

#### Prerequisite Courses
- None

#### Required Courses (19 hrs)

**Required Introductory Courses** 10 hrs
- GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
- MAR 3023 Marketing 4 hrs

**Select 1:** 3 hrs
- GEB 3113 How to Start a Business
- 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:** 3 hrs
- GEB 4152 Technological Entrepreneurship
- 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.
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.

Minors Admission 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
- IDS 3130 Foundations of Environmental Studies 3 hrs

Restricted Electives
- (18 hrs)
  - Science & Environmental Electives 9 hrs
    - BOT 3152C Local Flora 3 hrs
    - BOT 4156C Florida Wildflowers 4 hrs
    - BOT 3802 Ethnobotany 3 hrs
    - BOT 4303C Plant Kingdom 5 hrs
    - BOT 4686C Conservation and Management of Native Plants 4 hrs
    - BOT 4713C Plant Taxonomy 5 hrs
    - BSC 4312C Marine Biology 4 hrs
    - OCE 3008 Oceanography 3 hrs
    - PCB 3044 Principles of Ecology 3 hrs
    - PCB 3442 Aquatic Ecology 3 hrs
    - PCB 4302C Physiochemical Limnology 4 hrs
    - PCB 4303C Biological Limnology 4 hrs
    - PCB 4683 Evolutionary Biology 4 hrs
    - CHM 3120 Analytical Chemistry 3 hrs
    - HSC 4500 Epidemiology 3 hrs
    - ENV 3001 Introduction to Environmental Engineering 3 hrs
    - ENV 4341 Solid & Hazardous Waste Management 3 hrs
    - PCB 3063 Genetics 3 hrs
    - PCB 3304C River Ecology 4 hrs
    - PCB 3314 Marine Bio Diversity 3 hrs
    - PCB 3044L Principles of Ecology Laboratory 1 hr

Social & Humanities Electives
- (9 hrs)
  - ECO 4701 Seminar in Global Economic Policy 3 hrs
  - INR 4351 International Environmental Law 3 hrs
  - PUP 3203 Environmental Politics 3 hrs
  - PUP 4003 Government and Science 3 hrs
  - PAD 4351 Issues in Environmental Program Management 3 hrs
  - PAD 3330 Urban and Regional Planning 3 hrs
  - PUP 4204 Sustainability 3 hrs
  - GEO 2370 Resources Geography 3 hrs
  - GIS 3043C GIS for Environmental Studies 3 hrs
  - GIS 4301C Advanced GIS Applications in Environmental Studies 4 hrs
  - GIS 4055C Remote Sensing of the Environment 3 hrs
  - PHI 3033 Philosophy, Religion, and the Environment 3 hrs
  - PHI 4400 Philosophy of Science 3 hrs
  - PHI 3640 Environmental Ethics 3 hrs
  - PHI 4633 Ethics and Biological Science 3 hrs
  - PHM 4031 Environmental Philosophy 3 hrs
  - PLA 4554 Environmental Law 3 hrs
  - ECP 3302 Economics and the Environment 3 hrs
  - ECP 4303 Environmental and Natural Resource Economics 3 hrs

Note: Only one of these two courses may be used to fulfill these restricted electives.

Foreign Language Requirements
- None

Total Semester Hours Required
- 21

Other Requirements
- A grade of “C” or above (2.0) is required in each course used to satisfy the minor.
- At least 18 hours used in the minor must be taken at UCF.
- No more than 6 credit hours (separate from the foreign language requirement) may be used toward the European Studies minor and also used toward any other major or minor.

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
- None

Minor Requirements
- A grade of “C” (2.0) or better is required for all courses counting towards the minor.
- A maximum of 6 hours of Study Abroad credit in equivalent courses can be used, with no more than 3 credits in one area.
- At least 18 hours used in the minor must be taken at UCF.
- At least 15 credits used in the minor must be upper division.
- No more than 6 credit hours (separate from the foreign language requirement) may be used toward the European Studies minor and also used toward any other major or minor.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses
- (6 hrs)
  - CPO 4101 Politics of the European Union 3 hrs
  - LIT 3082 Continental European Fiction Since 1900 3 hrs

Restricted Electives
- (15 hrs)
  - Any course substitutions are subject to prior approval by the director.

Literature, Film, and Culture:
- (3 hrs)
  - Note: Courses offered by the Modern Languages Department might be offered in a language other than English.
  - Select at least 3 credits from this grouping: 3 hrs
    - ENL 2022 English Literature II or
    - ENL 4101 English Novel or
    - ENL 4240 English Romantic Writers or
    - ENL 4262 Nineteenth Century British Prose or
    - ENL 4273 Modern British Literature or
    - FIL 3820 Italian Film or
    - FIL 3822 French Film or
    - FIL 3823 German Film or
    - FRE 4500 French Civilization and Culture or
    - FRW 4281 20th Century French Novels or
    - FRW 4324 20th Century French Drama or
    - FRW 4532 French Romanticism or
    - FRW 4552 Nineteenth Century French Literature or
    - GER 3102 Germany - Past to Present or
    - GER 4520 Modern Germany or
    - GEW 3101 Survey of German Literature II or
    - GEW 3370 Short Story or
    - GEW 3480 German Post-War Literature or
Minors

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 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

History
Select at least 6 credits from this grouping: 6 hrs
EUH 3235 Romanticism and Realism or 3 hrs
EUH 3242 Modern Europe and the First World War or 3 hrs
EUH 3281 Second World War and Rebirth of Europe or 3 hrs
EUH 3315 History of Modern Spain or 3 hrs
EUH 3411 Ancient Rome or 3 hrs
EUH 3431 History of Modern Italy or 3 hrs
EUH 3451 History of Modern France or 3 hrs
EUH 4284 Fascism and Nazism in the Interwar Europe or 3 hrs
EUH 4400 The History of Ancient Greece or 3 hrs
EUH 4465 Hitler’s Third Reich or 3 hrs
EUH 4501 English History: 1485-1815 or 3 hrs
EUH 4502 British History: 1815-Present or 3 hrs
EUH 4574 History of Russia: 1801-1917 or 3 hrs
EUH 4576 History of Russia in the 20th Century or 3 hrs
EUH 4578 History of Russia in the 20th Century or 3 hrs
EUH 4582 20th Century Russian Diplomatic History or 3 hrs
EUH 4610 Women in European Society: From Medieval to Modern or 3 hrs
EUH 4620 European Great Powers: 1815-1914 or 3 hrs
GER 4510 Life and Culture in Nazi Germany or 3 hrs
JST 3701 History of the Holocaust or 3 hrs

Political Science or Economics
Select at least 3 credits from this grouping: 3 hrs
CPO 3104 Politics of Western Europe or 3 hrs
CPO 3161 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 4843 Government and Politics of Russia or 3 hrs
ECO 3703 International Microeconomics or 3 hrs
INR 4555 International Political Economy or 3 hrs

Other
■ 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: 3 hrs
ARH 4340 19th Century Art or 3 hrs
ARH 4450 20th Century Art or 3 hrs
PHI 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 or 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
■ 18

Other Requirements
■ No credit by exam (military credit, TSD) may be used toward the minor.

Exceptional Education - Minor
College of Education
Department of Child, Family and Community Sciences, Education Building, Room: 209
http://www.education.ucf.edu
Dr. Lee Cross, Program Coordinator, lcross@mail.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 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 in the fields of education or exceptional education. This minor will strengthen the marketability of the student’s major program.

Minor Admission Requirements
■ None

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses (12 hrs)
EEX 4601 Introduction to Behavior Management 3 hrs
EEX 4763 Technology for Classroom Teachers of Students with Special Needs 3 hrs
EEX 2090 Exceptional Populations in School and Society 3 hrs
EEX 4066 Curriculum, Theory and Instructional Strategies for Students with Special Needs 3 hrs

Restricted Electives (6 hrs)
■ Choose either Elementary Restricted Electives or Secondary Restricted Electives as a focus

Elementary Restricted Electives
EEX 4070 Teaching Exceptional Students 3 hrs

Secondary Restricted Electives
EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs

Select 1:
■ EEX 3241 Methods for Academic Skills for Exceptional Students or 3 hrs
■ EEX 3221 Assessment of Exceptional Students or 3 hrs

Select 1:
■ EEX 3243 Techniques for Exceptional Adolescents-Adults or 3 hrs
■ EEX 3221 Assessment of Exceptional Students or 3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ Sophomore standing or completion of an AA degree from a Florida public post secondary institution.
■ A minimum GPA of 2.5 of all Gordon Rule classes including ENC 1101, 1102, and two college level math courses, MAC 1105 or higher, is required.
■ No credit by exam (CLEP, Military credit) may be used. Transfer credits from other universities will be considered.
■ Note: Completion of the minor does not complete the requirements for certification in Exceptional Education nor does it constitute admission in the College of Education.
Film - Cinema Studies - Minor
College of Arts and Humanities
Department of Film, Nicholson School of Communication, Room: 121
http://www.filmm.cah.ucf.edu/
E-mail: film@mail.ucf.edu
S. Schlow, 407-823-2845
Phone: 407-823-4285

Minor Admission Requirements
■ Completion of a Minor Declaration form

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses (12 hrs)
FIL 2030 History of Motion Pictures 3 hrs
FIL 3006 Art of the Cinema 3 hrs
FIL 2423 Foundations of Production 3 hrs

Select 1: 3 hrs
FIL 1007 Foundations of Story or
FIL 1000 Cinema Survey 3 hrs

Restricted Electives (6 hrs)
■ Choose Two
FIL 3800C Images of Women in Film 3 hrs
FIL 3051 Avant-Garde Cinema 3 hrs
FIL 3820 Italian Film 3 hrs
FIL 3845 World Cinema Traditions 3 hrs
FIL 3841 French New Wave Cinema 3 hrs
FIL 3824 Italian Neo-Realist Cinema 3 hrs
FIL 3822 French Film 3 hrs
FIL 3823 German Film 3 hrs
FIL 3831 Black Cinema 3 hrs
FIL 3826 American Cinema 3 hrs
FIL 3871 The American Film Artist 3 hrs
FIL 4647 Film Production Management 3 hrs
FIL 3847 Latin American Cinema 3 hrs
FIL 3363C Film Documentary 3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ A grade of “C” (2.0) or better is required in all courses used to satisfy the minor.
■ At least 12 hours must be earned at UCF within the department.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship, Independent Study, or Directed Research credit cannot be used toward the minor.

Film - 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

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses (6 hrs)
AGC 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 3403C Business Finance 4 hrs
FIN 3303 Financial Markets 3 hrs

Restricted Electives (9 hrs)
Select 3:
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 4694 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.

Finance - Minor
College of Education
Department of Child, Family and Community Sciences, Education Building, Room: 209
Dr. Jay Hoffman, Program Coordinator, ED 320H, jrhoffma@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 skill training 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

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses (13 hrs)
PET 4312C Kinesiology/Biomechanics 3 hrs
PET 4550C Assessment and Evaluation in Exercise Science 3 hrs
PET 4083 Personal Training Methods 3 hrs
3736C Exercise Physiology Anatomy 4 hrs
1 ZOO Exercise Physiology 3 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:
PET 3811 Nutrition and Metabolism in Sport and Exercise Science or 3 hrs
PET 3771 Strength and Conditioning Concepts or 3 hrs
PET 3768 Group Exercise Instruction or 3 hrs
PET 4351C Exercise Physiology or 3 hrs
PET 4216 Motivational Aspects of Athletic Performance 3 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.

Minors
Foreign Language Requirements

- None

Total Semester Hours Required

- 18

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.

Foreign Language Education - Minor

College of Education

School of Teaching, Learning, and Leadership, Education Complex, Room: 220

http://education.ucf.edu/language

Dr. Karen Verkler, kverkler@mail.ucf.edu, 407-823-5235

The Foreign Language Education minor is intended for non-Foreign Language Education majors. It is well suited for College of Education students majoring in another secondary content area. It is also intended to provide for university students outside the College of Education (such as students enrolled in Interdisciplinary Studies, International and Global Studies, or programs in the Department of Modern Languages and Literatures) a limited but substantial experience in the field of professional education.

Students who successfully complete this minor can expect to increase their marketability in careers that include educational components such as instructing, training, and lecturing. This minor is designed to promote student success in instructional settings, particularly in the K-12 school setting, but does not directly qualify students for teacher certification or admission into the College of Education.

Completion of the minor does not complete the requirements for teacher certification nor does it constitute admission to the College of Education.

Minor Admission Requirements

- Minimum 2.5 overall GPA. Complete the University General Education Program requirements or the equivalent, i.e., an AA degree from an approved Florida community college or state university.

Minor Requirements

- Students should see an advisor prior to registering for classes. Approval of a departmental advisor is required prior to registration.
- Students must complete 18 hrs of language courses as co-requisites. A grade of "C" (2.0) or better is required in each course used to satisfy the minor. At least 12 hours used in the minor must be earned at UCF.

Prerequisite Courses

- None

Required Courses (18 hrs)

- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- EDG 4467 Learning Theory and Assessment 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
- FLE 4333 Foreign Language Teaching in the Secondary School 3 hrs
- FLE 4314 Foreign Language Teaching in Elementary Schools 3 hrs

Restricted Electives

- None

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- None

French - 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

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses

- None

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 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

Minimum 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.

Required Courses (20 hrs)
- HIM 3006 Foundations of Health Information Management (HIM) 3 hrs
- HIM 4508C Quality Management 3 hrs
- HIM 4656C Health Information Management Systems 3 hrs
- HSC 3537 Medical Terminology 3 hrs
- HIM 4226C Coding Procedures I 5 hrs
- HIM 4296C Coding Procedures II 3 hrs

Restricted Electives
- 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.

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

Minimum GPA of 2.5 is required. A minimum grade of “C” (2.0) is required in each course for the minor.

At least 12 hours used in the minor must be earned at UCF within the department.

No credit by exam (TSD, Military credit) may be used. Internship or Independent Study credit cannot be used toward the minor without departmental approval.

Required Courses (15 hrs)
- HSA 3111 U.S. Health Care Systems 3 hrs
- HSC 4201 Community Health 3 hrs
- HSA 4180 Organization & Management for Health Agencies I 3 hrs
- HSA 4191 Health Care Automation 3 hrs
- HSC 4500 Epidemiology 3 hrs

Restricted Electives (3 hrs)
- Additional prerequisite courses may be required

Select 1:
- 3 hrs
- HSC 4652 Health Law and Ethics or
- HSA 4109 Principles of Managed Care or
- HIM 4508C Quality Management or
- HSA 4702 Health Sciences Research Methods 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum GPA of 2.5 is required in all coursework, and a minimum grade of “C” (2.0) is required in all Health Professions courses.
- At least 15 hours used in the minor must be earned at UCF within the department of Health Management and Informatics.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor without departmental approval.

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. Bellr, 407-823-2225

Minor Admission Requirements
- None

Minimum GPA of 2.5 is required. A minimum 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.

Required Courses (15 hrs)
- HSA 3111 U.S. Health Care Systems 3 hrs
- HSC 4201 Community Health 3 hrs
- HSA 4180 Organization & Management for Health Agencies I 3 hrs
- HSA 4191 Health Care Automation 3 hrs
- HSC 4500 Epidemiology 3 hrs

Restricted Electives (3 hrs)
- Any course taught within the History Department 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.
Minors

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

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses (18 hrs)
Take all of the following:
HFT 1000  Introduction to the Hospitality and Tourism Industry and Guest Services Management I 3 hrs
HFT 3540  3 hrs
Select 2:
HFT 2401  Hospitality Industry Financial Accounting or Hospitality industry Managerial Accounting 3 hrs
HFT 2500  Hospitality and Tourism Marketing or Hospitality Human Resources Management 3 hrs
HFT 3444  Hospitality Information Systems or Tourism Industry or Hospitality Industry Finance or Hospitality Communications 3 hrs
HFT 3603  Legal Environment in the Hospitality and Tourism Industry or Hospitality Industry Finance or Hospitality Communications 3 hrs
HFT 4464  3 hrs
HFT 4286  3 hrs
Select 2:
HFT 3700  Tourism Management or 3 hrs
HFT 3633  Restaurant Management or 3 hrs
HFT 3273  Principles of Resort Timesharing or 3 hrs
HFT 4755  Theme Park and Attraction Management or 3 hrs
HFT 2750  The Event Industry or 3 hrs
FSS 2221C  Techniques of Food Preparation or 4 hrs
HFT 2254  Lodging Operations or 3 hrs
HFT 4277  Yacht, Country, And City Club Management 3 hrs

Restricted Electives
■ None

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ A minimum overall GPA of 2.0 in all courses used to satisfy the minor.
■ At least 12 credit hours used in the minor must be earned at UCF within the College.
■ No credit by exam (TSO, Military credit) may be used in the minor.
■ It is the responsibility of the student to take whatever steps are necessary to determine if they have been officially dropped from a course.
This does not remove the student’s responsibility for dropping courses they do not intend to complete.
■ Final exams will be given during Final Exam Week only.
■ Internship or Independent Study credit cannot be used toward the minor.

Humanities - 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
TBA

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

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses (21 hrs)

Humanities Foundations 6 hrs
Select 2:
HUM 3252  Contemporary Humanities or 3 hrs
HUM 3255  Modern Humanities or 3 hrs
HUM 3431  Ancient Humanities or 3 hrs
HUM 3435  Medieval Humanities or 3 hrs

Humanistic/Religious Traditions 12 hrs
Select 2:
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 3552  Christian Thought or 3 hrs
REL 3553  Moses, Jesus and Muhammad or 3 hrs
JST 3401  Jewish People in Antiquity or 3 hrs
PHH 3701  Native American Philosophy or 3 hrs

Select 2:
HUM 4330  Performance Theory or 3 hrs
HUM 4554  Religious Quest and Human Dilemma or 3 hrs
PHM 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
PHI 3803  Philosophy and Creativity or 3 hrs
PHI 4321  Philosophies of Embodiment: Mind/Body/Self or 3 hrs
PHM 3123  Feminist Theories or 3 hrs
REL 3111  Religion and Philosophy Through Film or 3 hrs
REL 3115  Religion, Spirituality, and Popular Music or 3 hrs

Restricted Electives (3 hrs)
■ Select one additional course from the above list or from the following:
HUM 3320  Contemporary Multicultural Studies 3 hrs
HUM 4301  The Classical Ideal 3 hrs
HUM 4303  The Spiritual Ideal 3 hrs
PHI 4804  Critical Theory 3 hrs
PHI 3800  Aesthetics 3 hrs
PHI 3700  Philosophy of Religion 3 hrs
CLT 3370  Classical Mythology 3 hrs
CLT 3378  Comparative Mythology 3 hrs

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 15 hours used in the minor must be earned at UCF within the department.
Intelligent Robotic Systems (IRS) - Interdisciplinary

College of Engineering and Computer Science

Engineering, Room: 107

http://www.cecs.ucf.edu

Paul Edlen, paule@mail.ucf.edu, 407-823-2455

Minor Admission Requirements

None

Minor Requirements

None

Prerequisite Courses

None

Required Courses (9 hrs)

Select 2:

EEL 3657 Linear Control Systems or
EML 4312C Feedback Control or
EGN 3321 Engineering Analysis-Dynamics or
EML 3262 Kinematics of Mechanisms or
CAP 4453 Robot Vision or
CAP 4630 Artificial Intelligence

Select 3: (9 hrs)

EEL 4612 Introduction to Modern and Robust Control
or
EEL 4750 Digital Signal Processing Fundamentals
or
EEL 5669 Autonomous Robotic Systems
or
EEL 5173 Linear Systems Theory or
EEL 5630 Digital Control Systems or
EEL 5620 Image Processing or
EEL 5625 Pattern Recognition or
EML 5311 System Control or
CAP 5415 Computer Vision or
CAP 5512 Evolutionary Computation or
CAP 5610 Machine Learning or
EML 4800C Digital Control in Mechatronics or
EML 5625 Applied Control Systems or
EML 5290 Introduction to MEMS and Micromachining or
EEL 5513 Digital Signal Processing Applications

Restricted Electives (9 hrs)

Select 3:

EEL 4612 Introduction to Modern and Robust Control
or
EEL 4750 Digital Signal Processing Fundamentals
or
EEL 5669 Autonomous Robotic Systems
or
EEL 5173 Linear Systems Theory or
EEL 5630 Digital Control Systems or
EEL 5620 Image Processing or
EEL 5625 Pattern Recognition or
EML 5311 System Control or
CAP 5415 Computer Vision or
CAP 5512 Evolutionary Computation or
CAP 5610 Machine Learning or
EML 4800C Digital Control in Mechatronics or
EML 5625 Applied Control Systems or
EML 5290 Introduction to MEMS and Micromachining or
EEL 5513 Digital Signal Processing Applications

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.
EGN 3211 Engineering Analysis and Computation
COP 3223 Introduction to Programming with C
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
EGN 4413C Interdisciplinary Design II
Minors

Interdisciplinary Informatics Technology - Minor
College of Engineering and Computer Science
Department of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 346
http://www.eecs.ucf.edu/I2Tech/
Dr. Mark Llewellyn, markl@cs.ucf.edu
Phone: 407-823-3327

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (18 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 3 hrs
  - COP 3502C Computer Science I 3 hrs
Healthcare Informatics Concentration
- 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/minor degree policy in Political Science programs and minors:
  - 1. Students who major in any Political Science track, and minor in International and Global Studies, shall not count more than one course toward both programs.
- 2. Students who double minor in Political Science and International and Global Studies shall not count more than one course toward both programs.

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted in the minor.
- At least nine hours used in the minor must be earned at UCF within the department.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (6 hrs)
- IDS 4315 Global Perspectives 3 hrs
- GEO 3471 World Political Geography 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 3 hrs
  - INR 4035 International Political Economy 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 4350 Global Environmental Politics or 3 hrs
  - INR 4502 International Organizations or 3 hrs
  - INR 4693 International Relations Theory or 3 hrs
  - INR 4714 Politics of International Trade Policy 3 hrs

B. Restricted Area Studies Electives: 6 hrs
- Two upper division courses from one of the following area studies programs: Asian Studies, European Studies, Latin American, Caribbean and Latino Studies, Middle Eastern Studies
- Courses may not have a prefix of INR, CPO, POT, POS or PUP.

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 3 hrs
- CPO 4062 Comparative Judicial Process or 3 hrs
- CPO 4074 Political Economy or 3 hrs
- CPO 4754 Comparative Political Institutions or 3 hrs
- CPO 4710 Women in Comparative Politics or 3 hrs
- CPO 4784 Political and Economic Inequality in Comparative Perspective or 3 hrs
- CPO 4445 Comparative Political Parties or 3 hrs
- DSC 4012 Terrorism or 3 hrs
- EUH 3651 War and Society or 3 hrs
- MMC 4300 International Media or 3 hrs
- SYP 4545 Global Inequality and Society or 3 hrs
- THE 3312 Theatre History and Dramatic Literature II or 3 hrs
- Three one credit Foreign Language across the Curriculum (FLAC) courses 3 hrs

Foreign Language Requirements
- Proficiency equivalent to four semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

Total Semester Hours Required
- 21

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
International Business - Minor
College of Business Administration
Department of Finance, Business Administration I, Room: 409
http://web.bus.ucf.edu
Richard Ajayi, 407-823-5908

Minor for Business Majors

Minor Admission Requirements

■ None

Minor Requirements

■ None

Prerequisite Courses

■ None

Required Courses

FIN 4604 International Financial Management 3 hrs

Select 1:

ECO 3703 International Microeconomics or 3 hrs
ECO 4713 International Macroeconomics 3 hrs
MAR 4156 International Marketing 3 hrs
MAN 4600 International Management 3 hrs

Restricted Electives

(ECO 3703 International Microeconomics 3 hrs
ECO 4713 International Macroeconomics 3 hrs
ECO 4701 Seminar in Global Economic Policy 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, avelino.gonzalez@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

Minor Requirements

■ Minimum UCF Overall GPA of 2.5.

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 which 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):

IDS 3333 World Comparative Studies 3 hrs
GEO 3471 World Political Geography 3 hrs

Cultural Coursework 3 hrs

It is important to formally expose the students to the culture of the country or region where they plan to have their study abroad experience. This can be done in one of two ways, in decreasing order of preference:

■ Option 1) Students will complete three hours of coursework in society/culture international relations, or global economics related to the country/region where the student is having his/her study abroad experience. It is recommended that this course be completed at the foreign institution if available.

■ Option 2) If such a course cannot be found, then the minor coordinator will select a course to take in its place at UCF that will achieve similar results.

Study Abroad Experience 9 hrs

The study abroad experience represents the most important aspect of this minor. To satisfy this requirement, students complete 9 hours of technical coursework (classroom studies) in residence at a partner institution abroad. Minimally, 6 hours must meet requirements of the student’s major program.

■ 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 before seeking departmental approval. Departmental approval must be obtained before enrolling in the overseas classes.

Restricted Electives

■ None

Foreign Language Requirements

■ See Language Skills Acquisition

Total Semester Hours Required

■ 18
Minors

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 Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu

Dr. Jim Katt, jkatt@mail.ucf.edu
Rebecca Morales, rmorales@mail.ucf.edu
Phone: 407-823-2681

Minor Admission Requirements
- Not open to Ad-PR, Interpersonal - Organizational Communication, Journalism, or Radio-TV majors.

Minor Requirements
- None

Prerequisite Courses
- Students must satisfy course prerequisites before enrolling.

Required Courses (12 hrs)
- COM 3013 Communication and the Family 3 hrs
- COM 3110 Business and Professional Communication 3 hrs
- COM 4014 Gender Issues in Communication 3 hrs
- COM 4426 Group Dynamics 3 hrs
- COM 4540 Attitudes and Communication 3 hrs

Restricted Electives (9 hrs)
- Select from the following courses:
  - COM 3013 Communication and the Family 3 hrs
  - COM 3110 Business and Professional Communication 3 hrs
  - COM 4014 Gender Issues in Communication 3 hrs
  - COM 4426 Group Dynamics 3 hrs
  - SPC 3513C Argumentation and Debate 3 hrs
  - SPC 4331 Nonverbal Communication 3 hrs
  - SPC 4426 Group Dynamics 3 hrs
  - SPC 4540 Attitudes and Communication 3 hrs
- Independent study or Special topics course if approved by the coordinator prior to enrolling in the class

Foreign Language Requirements
- None

Total Semester Hours Required
- 21

Other Requirements
- A minimum average GPA of 2.0 is required in courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the Nicholson School of Communication.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental permission.

Italian - 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

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses
- None

Restricted Electives (18 hrs)
- Select 6 upper division courses in Italian, 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.

Journalism Studies - Minor

College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu

Dr. Steve Collins, Area Coordinator, scollins@mail.ucf.edu
Rebecca Morales, Academic Support, rmorales@mail.ucf.edu, 407-823-2681

The Journalism Studies minor is well suited for students who seek to better understand the role journalism plays in society as well as the forces that shape journalism. A key component of this minor is media literacy, which is the ability to thoughtfully analyze messages disseminated through the news media.

Minor Admission Requirements
- Not open to Ad-PR, Journalism, or Radio-TV majors

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below a “C” (2.0) are not accepted in the minor.
- At least 12 hours used in the minor must be earned at UCF within the Nicholson School of Communication.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses
- JOU 3004 History of American Journalism 3 hrs

Restricted Electives (5 hrs)
- Select at least 5 courses from the following:
  - JOU 3004 History of American Journalism 3 hrs
  - JOU 3510 Magazine Publishing 3 hrs
  - JOU 4700 Journalism Ethics 3 hrs
  - MMC 2004 Mass Media 3 hrs
  - MMC 3200 Mass Communication Law 3 hrs
  - MMC 4300 International Media 3 hrs
  - VIC 3001 Visual Communication 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used in the minor.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental permission.
### Judaic Studies - Minor

**College of Arts and Humanities**  
**Program in Judaic Studies, Colbourn Hall, Room: 415 E-J**  
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, Women’s Studies, Religious Studies, and Middle Eastern 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

#### Minor Requirements
- None

**Required Courses**  
(8 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HBR 1120 Elementary Modern Hebrew Language and Culture I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>HBR 1121 Elementary Modern Hebrew Language and Culture II</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

**Restricted Electives**  
(18 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>JST 3401 Jewish People in Antiquity</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3402 Wanderings: The Jewish People in Dispersion</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3415 American Jewish History</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3481 20th Century Jewish History and Thought</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3550 Introduction of Modernism into Judaism</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3701 History of the Holocaust</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Bible**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>JST 3120 Hebrew Scriptures</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3125 The Book of Job</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3126 Romantic Love in the Bible</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3144 Dead Sea Scrolls</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3190 The Biblical Prophets</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Literature**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>JST 3100 The Hebrew Creative Mind</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3312 Identity and Genre</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3751 Literature of the Holocaust</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Jewish Civilization**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>JST 3005 Tenets of Judaism</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3121 Classic Texts of Judaism</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3210 Kabbalah: Jewish Mysticism</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3620 Contemporary Jewish Ethics and Morality</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Culture**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>JST 3450 Modern Jewish Experience</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3810 The Jewish National Movement and Roots of Zionism</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3820 Modern Israeli Culture</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Language**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HBR 2200 Intermediate Modern Hebrew I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HBR 2201 Intermediate Modern Hebrew II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HBR 3250 Biblical Hebrew</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HBR 3410 Conversational Israeli Hebrew</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Other courses, including special topics, with the approval of the Director**

- None

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 26

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### Latin American Area Studies - Minor

**College of Arts and Humanities**  
**Colbourn Hall, Room: 406E & 406F**  
[http://las.cah.ucf.edu](http://las.cah.ucf.edu)  
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.

#### Minor 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)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 3586 History of the Hispanic Minorities in the U.S.</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LAH 3130 Latin American History I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LAH 3200 Modern Latin America</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LAH 3400 History of Mexico and Central America</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LAH 3470 History of the Caribbean</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANTH 3586 History of the Hispanic Minorities in the U.S.</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
### Leadership Studies - Minor

**Office of Undergraduate Studies**

**Office of Interdisciplinary Studies, Classroom I, Room: 302**

[http://www.is.ucf.edu](http://www.is.ucf.edu)

**E-mail**: is@mail.ucf.edu

**Phone**: 407-823-0144

The Leadership Studies (LS) minor is an interdisciplinary academic program that focuses on developing several dimensions of leadership understanding and skills for undergraduate students. The minor builds upon foundational courses with specific aspects of leadership involving communication, collaboration, social relations, politics, and ethics.

#### Minor Admission Requirements

- None

#### Prerequisite Courses

- None

#### Required Courses (19 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>LDR 2001</td>
<td>Foundations of Leadership</td>
<td>4 hrs</td>
</tr>
<tr>
<td>LDR 2002</td>
<td>Intermediate Foundations of Leadership</td>
<td>2 hrs</td>
</tr>
<tr>
<td>COM 3120</td>
<td>Organizational Communication or Social Relations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COM 4461</td>
<td>Intercultural Communication or Communication and Human Relations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COM 4462</td>
<td>Conflict Management or Communication and Human Relations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 3250</td>
<td>Professional Writing or Communication and Human Relations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPC 3445</td>
<td>Leadership Through Oral Communication or Communication and Human Relations</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Communication

1. COM 3120 Organizational Communication or Social Relations 3 hrs
2. COM 4461 Intercultural Communication or Communication and Human Relations 3 hrs
3. ENC 3250 Professional Writing or Communication and Human Relations 3 hrs
4. SPC 3445 Leadership Through Oral Communication or Communication and Human Relations 3 hrs

#### Collaboration

5. INP 3004C Industrial/Organizational Psychology or Communication and Human Relations 3 hrs
6. INP 4313 Organizational Psychology or Communication and Human Relations 3 hrs
7. MAN 4240 Organizations: Theory and Behavior or Communication and Human Relations 3 hrs
8. MAN 3025 Management of Organizations or Communication and Human Relations 4 hrs
9. SPC 4426 Group Dynamics 3 hrs

#### Social Relations and Culture

10. ANT 3541 Biobehavioral Anthropology or Communication and Human Relations 3 hrs
11. CLP 3143 Abnormal Psychology or Communication and Human Relations 3 hrs
12. COM 4461 Intercultural Communication or Communication and Human Relations 3 hrs
13. EXP 3304C Motivation or Communication and Human Relations 3 hrs
14. SOP 3004C Social Psychology or Communication and Human Relations 3 hrs
15. SOP 3723 Cross Cultural Psychology or Communication and Human Relations 3 hrs
16. SOP 3742 Psychology of Women or Communication and Human Relations 3 hrs
17. SOP 3784 Psychology of Diversity or Communication and Human Relations 3 hrs

#### Ethics

- BUL 3130 Legal and Ethical Environment of Business or Communication and Human Relations 3 hrs
- EDF 3601 Professional Ethics in Education or Communication and Human Relations 3 hrs
- PAD 3040 Ethics and Values in Public Administration or Communication and Human Relations 3 hrs
- PHI 2108 Critical Thinking or Communication and Human Relations 3 hrs
- PHI 3638 Ethical Issues in the 21st Century or Communication and Human Relations 3 hrs
- PHI 3640 Environmental Ethics or Communication and Human Relations 3 hrs

#### Politics

- PAD 3003 Public Administration in American Society or Communication and Human Relations 3 hrs
- PAD 4104 Administrative Theory or Communication and Human Relations 3 hrs
- PAD 4144 Non-Profit Organizations or Communication and Human Relations 3 hrs
- PAF 4754 Interdisciplinary Leadership in Public Affairs or Communication and Human Relations 3 hrs
- POS 3413 The American Presidency or Communication and Human Relations 3 hrs
- POS 4206 Political Psychology or Communication and Human Relations 3 hrs
- PUP 3325 Women and Political Behavior or Communication and Human Relations 3 hrs
- SYO 4300 Political Sociology or Communication and Human Relations 3 hrs

#### Other Requirements

- A grade of "C" (2.0) or better is required in each course used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without prior permission from the Program Director.

#### Total Semester Hours Required

18

#### Additional Requirements

- At least 15 credit hours used in the minor must be earned at UCF.
- 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: 343**


**E-mail**: legalstudies@mail.ucf.edu

**Dr. David Slaughter**

**Phone**: 407-823-1670

#### Minor Admission Requirements

- None

#### Prerequisite Courses

- None

#### Required Courses (3 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLA 3014</td>
<td>Law and the Legal System</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

19

**Other Requirements**

- 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.
- Students cannot complete both the Leadership Studies minor and the Leadership Studies certificate.
Restricted Electives (9 hrs)

Required Courses (9 hrs)
in the class.

Prerequisite Courses

Minor Requirements

Minor Admission Requirements

Other Requirements

Total Semester Hours Required

Other Requirements

Total Semester Hours Required

Other Requirements

Marketing - Minor

College of Business Administration

Department of Marketing, Business Administration II,
Room: 3075

Open to Business and Non-Business Students

Minor Admission Requirements

Minor Requirements

Prerequisite Courses

Required Courses (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 Consumer Behavior 3 hrs
MAR 3613 Marketing Analysis and Research 3 hrs
MAR 3641 Marketing Intelligence 3 hrs
MAR 3721 Technology Applications in 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
1 MAR 4803 Marketing Management 3 hrs
1 MAR 4804 Marketing Strategy 3 hrs
MAR 4841 Services Marketing 3 hrs
MAR 4934 Contemporary Marketing Topics in Florida 3 hrs
2 MAR 4156 International Marketing 3 hrs
3 MAR 4724 Strategic Foundations in Global E-Business 3 hrs

1 Requires prerequisites in addition to MAR 3023
or MAR 4724, not both
or MAR 4156, not both

Restricted Non-Marketing Elective

Three hours of coursework may be chosen outside of marketing from the list below. However, other coursework outside of Marketing will also be considered--approval by petition to the Department.

ADV 3008 Principles of Advertising 3 hrs
ANT 3610 Language and Culture 3 hrs
COM 3011C Communication and Human Relations 3 hrs
COM 3311 Communication Research Methods 3 hrs
COM 3120 Organizational Communication 3 hrs
COM 3110 Business and Professional Communication 3 hrs
ENC 3211 Theory and Practice of Technical Writing 3 hrs
EXP 3404C Basic Learning Processes 3 hrs
HSA 3111 U.S. Health Care Systems 3 hrs
PHI 3803 Philosophy and Creativity 3 hrs
PPE 3003C Personality Theory and Research 3 hrs
PSY 3213 Research Methods in Psychology 5 hrs
RTV 3007 Development and Structure of Electronic Media and New Technology 3 hrs
SOP 3004C Social Psychology 3 hrs
SPC 3301 Interpersonal Communication 3 hrs
SPC 4331 Nonverbal Communication 3 hrs
SPC 4426 Group Dynamics 3 hrs
STA 4102 Computer Processing of Statistical Data 3 hrs
SYA 4300C Research Methods 4 hrs
MAN 4720 Strategic Management 4 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.
Minors

- 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.

Mass Communication - Minor
College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu
Joan McCain, jmccain@mail.ucf.edu
Rebecca Morales, Academic Support, rmorales@mail.ucf.edu
Phone: 407-823-2681

Minor Admission Requirements
- Not open to Ad-PR, Journalism, or Radio-TV majors.

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted in the minor.
- At least 12 hours used in the minor must be earned at UCF within the Nicholson School of Communication.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses
- None

Restricted Electives (12 hrs)
Select at least 4 courses from the following: 18 hrs
- ADV 3008 Principles of Advertising 3 hrs
- COM 3330 Computer Mediated Communication 3 hrs
- FIL 2030 History of Motion Pictures 3 hrs
- FIL 3006 Art of the Cinema 3 hrs
- JOU 3004 History of American Journalism 3 hrs
- MMC 2004 Mass Media 3 hrs
- MMC 3200 Mass Communication Law 3 hrs
- MMC 3420 Mass Media Research Methods 3 hrs
- MMC 4300 International Media 3 hrs
- PUR 4000 Public Relations 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

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.

Mathematics - Minor
College of Sciences
Department of Mathematics, Math and Physics, Room: 207
http://math.ucf.edu
Dr. Joe Brennan, jbrenna@mail.ucf.edu
Phone: 407-823-5700

Minor Admission Requirements
- The minor is not open to Mathematics or Math Education majors.

Minor Requirements
- A grade of “C” (2.0) or better is required in all courses used to satisfy the minor.
- At least 6 hours used in the minor must be earned at UCF within the department of Mathematics.
- A maximum of six hours of the listed required or elective courses can count toward another major or minor degree.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (15 hrs)
- SYA 4650C Community Action and Involvement 3 hrs
- SYO 4200 Religion in Society 3 hrs
- SYO 3000 Contemporary Society 3 hrs
- SYP 3300 Fads, Crowds, and Social Action 3 hrs
- SYP 3400 Social Change 3 hrs
- SYP 3602 Patterns of Popular Music in Society 3 hrs
- SYP 3630 Popular Culture In Society 3 hrs
- SYP 3560 Sports and Society 3 hrs
- SYP 4004 Constructing Social Issues 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.

Mass Culture and Collective Behavior - Minor
College of Sciences
Department of Sociology, Howard Phillips Hall, Room: 403
http://sociology.ucf.edu
E-mail: sociology@ucf.edu
Dr. Jay Corzine, 407-823-3744

This minor provides students with an opportunity to learn about sociological research within the institutions of religion, sports, and leisure in order to develop a working knowledge of how public opinion and contemporary social movements shape collective behavior and mass culture. The minor is especially appropriate for students majoring in Interdisciplinary Studies, the social sciences, business, or for any student seeking an enhanced understanding of socio-cultural change within modern society.

Minor Admission Requirements
- The minor is not open to Sociology majors.
- Courses used to satisfy the Restricted Electives of this minor cannot be used to satisfy other Sociology minors.

Minor Requirements
- Students 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.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (6 hrs)
- SYP 4000 Sociological Social Psychology 3 hrs

Required: Complete one of the following: 3 hrs
- SYG 2000 Introduction to Sociology or
- SYG 2010 Social Problems 3 hrs

Restricted Electives (12 hrs)
Select at least four courses from the following:
- SYA 4650C Community Action and Involvement 3 hrs
- SYO 4200 Religion in Society 3 hrs
- SYO 3000 Contemporary Society 3 hrs
- SYP 3300 Fads, Crowds, and Social Action 3 hrs
- SYP 3400 Social Change 3 hrs
- SYP 3602 Patterns of Popular Music in Society 3 hrs
- SYP 3630 Popular Culture In Society 3 hrs
- SYP 3560 Sports and Society 3 hrs
- SYP 4004 Constructing Social Issues 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.
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

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (19 hrs)
- A C- or better is required in these courses
  - EDG 4410 Teaching Strategies and Classroom Management 3 hrs
Minors

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.

Medical Sociology - Minor
College of Sciences
Department of Sociology, Howard Phillips Hall, Room: 403
http://sociology.ucf.edu
Dr. Jay Corzine, sociology@ucf.edu, 407-823-3744

The Medical Sociology minor examines the social determinants of health and illness, and their impact on the delivery of health care and access to medical resources. The minor also examines the role social forces play in the way society views, treats, understands, and responds to illness and disease. This minor facilitates an understanding of health and illness from a sociological perspective and prepares students for careers and graduate school in health related fields.

Minor Admission Requirements
- The minor is not open to Sociology majors.
- Courses used to satisfy the Restricted Electives of this minor cannot be used to satisfy other Sociology minors.

Minor 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.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (6 hrs)
- SYO 4400 Medical Sociology 3 hrs
- SYG 2000 Introduction to Sociology 3 hrs
- SYG 2010 Social Problems 3 hrs

Restricted Electives (12 hrs)
- Select four courses from the following:
  - SYD 4020 Birth, Death, and Population Trends 3 hrs
  - SYO 3410 Patterns of Mental Health in Society 3 hrs
  - SYP 3551 Patterns of Alcoholism in Society 3 hrs
  - SYP 4550 Patterns of Drug Abuse in Society 3 hrs
  - SYP 4730 Patterns of Aging in Society 3 hrs
- May substitute a relevant health-related course from another department with permission from Sociology.

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.

Medieval and Renaissance Studies - Minor
College of Arts and Humanities
Department of English, Colbourn Hall, Room: 417G
http://www.english.cah.ucf.edu/
Dr. Tison Pugh, 407-823-4454

An interdisciplinary minor that offers students a background of the history, literature, languages, art, music, and philosophy of the Middle Ages and Renaissance.
Middle Eastern Studies - Minor
College of Arts and Humanities
Program in Middle Eastern Studies, Colbourn Hall, Room: 411J
http://middleeasternstudies.cah.ucf.edu
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

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (9 hrs)
- CPO 3403 Politics of the Middle East 3 hrs
- HUM 3419 Islamic Thought and Culture 3 hrs
- ASH 3223 The Modern Middle East 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 I 3 hrs
  - ASH 3222 Islam and Its Empires 3 hrs
  - ASH 5227 The Arab-Israeli Conflict 3 hrs
  - CPO 4710 Women in Comparative Politics 3 hrs
  - HBR 2200 Intermediate Modern Hebrew I 3 hrs
  - REL 3653 Moses, Jesus and Muhammad 3 hrs
  - JST 3401 Jewish People in Antiquity 3 hrs
  - JST 3402 Wanderings: The Jewish People in Dispersion 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 21

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades 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.

Music - Minor
College of Arts and Humanities
Department of Music, Colbourn Hall, Room: 205A
http://www.music.cah.ucf.edu/
Kirk Gay, kgay@mail.ucf.edu, 407-823-5968

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (10 hrs)
- MUT 1004 Fundamentals of Music I 3 hrs
- MUT 1121 Music Theory and Musicianship I 3 hrs
- Select 1: 3 hrs
  - MUL 2010 Enjoyment of Music or
  - MUL 2016 Evolution of Jazz or
  - MUL 2720 Music of the World or
  - MUH 2017 Survey of Rock Music or
  - MUH 2019 American Popular Music, 1840s-present

Restricted Electives (9 hrs)
- Restricted electives must be taken from the Department of Music at UCF and must include 3 hours minimum at the 3000 or 4000 level.
- Secondary lessons can be used for electives contingent on a successful audition and approval of the department chair.

Foreign Language Requirements
- None

Total Semester Hours Required
- 19

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) are not accepted.
- At least 9 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
Minors

Non-Profit Management/American Humanities
National Certification Program - Minor
College of Health and Public Affairs
Department of Public Administration, Health and Public Affairs II, Room: 238
Stephanie Krick, skrick@mail.ucf.edu, 407-823-0661

The Nonprofit Management Minor at the University of Central Florida will provide interdisciplinary classroom experience and experiential learning opportunities for students planning a career as a nonprofit professional. If all of the following requirements are met (including "Other Requirements"), the student can earn both a minor and National Certification from the Nonprofit Leadership Alliance.

Minor Admission Requirements
■ None

Minor Requirements
■ Students must earn a "C" (2.0) or better in each course in the minor.

Prerequisite Courses
■ None

Required Courses (9 hrs)
1 PAD 3930 Nonprofit Leadership Seminar 3 hrs
2 PAD 4948 Nonprofit Management Internship 3 hrs
PAD 4144 Non-Profit Organizations 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 (9 hrs)
■ Student can earn the remaining 9 credit hours by pursuing either the Generalist Emphasis or the Public Affairs Emphasis. The requirements for each are as follows:

Generalist Emphasis
■ Choose at least one course from each of the following three groups
Select 1: 3 hrs
■ Group I: Nonprofit Accounting & Financial Management and Planning & Evaluation
1 ACG 2021 Principles of Financial Accounting or 3 hrs
1 ACG 2071 Principles of Managerial Accounting or 3 hrs
1 MAN 3025 Management of Organizations or 4 hrs
PAD 4131 Public Sector Project Management or 3 hrs
PAD 4204 Fiscal Management or 3 hrs
1 PAD 5800 Grant and Contract Management or 3 hrs
1 SOW 3401 Social Work Research or 3 hrs
PAD 4153 Planning and Improvement for Pub Org or 3 hrs
PAD 4325 Program Evaluation for Public and Non-Profit Organizations 3 hrs

Select 1: 3 hrs
■ Group II: Human Development and Human Resource Development and Volunteerism
1 MAN 3301 Management of Human Resources or 3 hrs
1 MAN 4101 Human Relations in Management or 3 hrs
1 MAN 4320 Human Resources Recruitment and Selection or 3 hrs
PAD 4414 Public Personnel Administration or 3 hrs
PAD 4148 Volunteer Management or 3 hrs
SOW 3203 Social Work & Community Resources or 3 hrs
SOW 3104 Assessing I: Human Development or 3 hrs
DEP 2004C Developmental Psychology or 3 hrs
DEP 3464 Psychology of Aging or 3 hrs
EDG 4941 Directed Field Experience 1 hr

Select 1: 3 hrs
■ Group III: Communication & Marketing and Fund Raising Principles & Practices
1 COM 3110 Business and Professional Communication or 3 hrs
1 GEB 3031 Cornerstone: Professional Skills for Business or 3 hrs
MAR 3023 Marketing or 4 hrs
1 MAR 3641 Marketing Intelligence or 3 hrs
1 MAR 4003 Marketing Management or 3 hrs
PAD 4147 Resource Development in the Nonprofit Sector or 3 hrs
1 SOW 3352 Practice II: Interpersonal Skills in Social Work or 3 hrs
SPC 3301 Interpersonal Communication 3 hrs

3 Course has prerequisites or may be closed to students in the major.
Please see catalog for details.

Public Affairs Emphasis 9 hrs
■ Choose at least 3 courses from the following:
PAD 4148 Volunteer Management 3 hrs
PAD 4153 Planning and Improvement for Pub Org 3 hrs
PAD 4131 Public Sector Project Management 3 hrs
PAD 4147 Resource Development in the Nonprofit Sector 3 hrs
PAD 4204 Fiscal Management 3 hrs
1 PAD 4223 Public Budgeting: Skills and Techniques 3 hrs
1 PAD 4253 Community & Economic Development 3 hrs
1 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

Other Requirements
■ Enrollment in American Humanities Certification Program through AH program office.
■ Attendance at one national American Humanities Management Institute (additional fees).
■ Membership in UCF American Humanities 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.

Minor 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.
ANT 2000 General Anthropology 3 hrs

Required Courses (3 hrs)
ANT 4910 Research 3 hrs

Restricted Electives (15 hrs)
■ Courses used in the minor must be taken in at least two departments. Select from the following list.
ANT 3245 Native American Religions 3 hrs
MARK 3023 Marketing Management 3 hrs
ANT 3313 Indians of North America High Plains 3 hrs
ANT 3311 Indians of the Southeastern United States 3 hrs
ANT 3158 Florida Archaeology 3 hrs
ANT 4906 Directed Independent Study 1 hr

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### Performing Arts Administration - Minor

**College of Arts and Humanities**

**Department of Music, Performing Arts Center,**

**Room: M204**

**http://www.music.ucf.edu**

**E-mail: kgay@mail.ucf.edu**

Kirk Gay, kgay@mail.ucf.edu  
Phone: 407-823-5968

Music & Theatre majors or other majors with experience/passion for the performing arts, admitted by an interview/portfolio review.

#### Minor Admission Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUL 2010</td>
<td>Enjoyment of Music</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUL 2014</td>
<td>Introduction to Music History and Literature</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Required Courses (15 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUL 2014</td>
<td>Introduction to Music History and Literature</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUL 2010</td>
<td>Enjoyment of Music</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAN 2021</td>
<td>Management</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Prerequisite Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHI 2101</td>
<td>Formal Logic I or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 2647</td>
<td>Logic and Ethics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 2108</td>
<td>Critical Thinking</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Internship

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>THE 4941</td>
<td>Internship</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

#### Restricted Electives

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 4000</td>
<td>Music Business and Industry</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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### 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**

Dr. Jennifer Mundale, jmundale@pegasus.cc.ucf.edu, 407-823-2273

The Philosophy minor is intended to provide a limited, yet substantive, introduction to philosophical themes related to knowledge, responsibility, and society. Students, in consultation with a departmental advisor, will select courses in accordance with the distributions listed below.

#### Minor Admission Requirements

- None

#### Minor Requirements

- None

#### 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
    - PHI 2101 Formal Logic I or
    - PHI 2647 Logic and Ethics or
    - PHI 3131 Formal Logic II or
    - PHI 2108 Critical Thinking
  - **History of Philosophy**
    - Select 1: 3 hrs
    - PHH 3100 Ancient Philosophy or
    - PHH 3200 Medieval Philosophy or
    - PHH 3460 Modern Western Philosophy or
    - PHH 3600 Contemporary Philosophy
  - **Values and Society**
    - Select 1: 3 hrs
    - PHI 3670 Ethical Theory or
    - PHI 3625 Advanced Ethics in Science and Technology or
    - PHM 3401 Philosophy of Law or
    - PHI 3800 Aesthetics or
    - PHI 3123 Feminist Theories or
    - PHI 3638 Ethical Issues in the 21st Century or
    - PHI 3625 Virtual Ethics or
    - PHI 4633 Ethics and Biological Science or
    - PHI 3100 Freedom and Justice or
    - PHI 3640 Environmental Ethics or
    - PHI 4031 Environmental Philosophy or
    - PHI 3701 Native American Philosophy or
    - PHI 3805 Contemporary Aesthetics
  - **Being and Knowing**
    - Select 1: 3 hrs
    - PHI 4500 Metaphysics or
    - PHI 4341 Ways of Knowing or
    - PHI 4300 Theories of Knowledge or

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### Minors

- None

#### Foreign Language Requirements

- None

#### Total Semester Hours Required

- 18

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Minor Requirements

- PHI 3700 Philosophy of Religion or PHI 4400 Philosophy of Science 3 hrs
- PHI 3320 Philosophy of Mind or PHI 3451 Philosophy of Psychology 3 hrs
- PHI 4420 Philosophy of Social Science or PHI 3323 Minds and Machines: Philosophy of 3 hrs
- Cognitive Science or PHP 4782 Phenomenology or PHI 4221 Philosophy of Language 3 hrs

Topics in Philosophy

Select 1: 3 hrs
- PHI 4931 Philosophy in the News or PHI 3683 Philosophy of Friendship or PHI 4321 Philosophies of Embodiment: Mind/Body/ Self or PHI 3648 Ethical Implications of the Human Genome Project or
- PHM 3022 Sexuality, Gender & Philosophy or PHI 3033 Philosophy, Religion, and the Environment or PHI 4804 Critical Theory or PHP 3783 Modernity as a Philosophical Problem or PHI 3750 The Problem of Evil or PHI 3720 Faith and Reason or PHI 3803 Philosophy and Creativity or PHI 3941 Philosophy Practicum or REL 3111 Religion and Philosophy Through Film or PHP 3786 Existentialism or

Restricted Electives (6 hrs)
- 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.

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

Dr. Doug Evans (Orlando Campus), dkevans@mail.ucf.edu, 407-823-2273

Dr. Shelley Park, (Cocoa Campus), spark@mail.ucf.edu, 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

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses (21 hrs)

- Theoretical Foundations 6 hrs
- Take all of the following: 6 hrs
  - PHI 3684 Ways of Living and PHI 4341 Ways of Knowing

Philosophy 3 hrs

Select 1: 3 hrs
- PHI 2101 Formal Logic I or PHI 3670 Ethical Theory or PHI 3700 Philosophy of Religion or PHI 3800 Aesthetics or
- PHM 3100 Freedom and Justice or PHI 3720 Faith and Reason or PHP 3786 Existentialism or PHI 4804 Critical Theory or PHI 4300 Theories of Knowledge or

Religion 3 hrs

Select 1: 3 hrs
- CLT 3378 Comparative Mythology or HUM 3552 Christian Thought or
- REL 3553 Moses, Jesus and Muhammad or HUM 3417 Hindu Thought and Culture or
- HUM 3419 Islamic Thought and Culture or HUM 4303 The Spiritual Ideal or
- HUM 4554 Religious Quest and Human Dilemma or PHI 3750 The Problem of Evil or

Popular Culture Studies 9 hrs

- Select at least one course from Contemporary Media
- Select at least one course from Contemporary Forms of Life

Contemporary Media

Select 1: 3 hrs
- HUM 3320 Contemporary Multicultural Studies or HUM 4330 Performance Theory or
- HUM 4556 Religion and the Arts or PHI 3625 Virtual Ethics or PHI 4931 Philosophy in the News or
- POS 3235 Mass Media and Politics or POS 3258 Politics in Film or
- REL 3111 Religion and Philosophy Through Film or REL 3115 Religion, Spirituality, and Popular Music or
- SYP 3630 Popular Culture in Society

Contemporary Forms of Life

Select 1: 3 hrs
- ANT 3302 Sex, Gender and Culture or HUM 3252 Contemporary Humanities or
- PHI 3322 Sexuality, Gender & Philosophy or PHI 3033 Philosophy, Religion, and the Environment or
- PHI 3629 Family Values or PHI 3683 Philosophy of Friendship or PHI 4321 Philosophies of Embodiment: Mind/Body/ Self or
- PHM 3123 Feminist Theories or PHM 3401 Philosophy of Law or
- REL 3131 Religion in America

Restricted Electives

- None

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 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.
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

Minor Admission Requirements
- The minor is not open to Physics majors.

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 9 hours used in the minor must be earned at UCF within the department of Physics.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (11 hrs)
- PHY 2048C 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 (9 hrs)
- Select from upper-level Physics lecture or laboratory courses appropriate for majors

Foreign Language Requirements
- None

Total Semester Hours Required
- 20

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- 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

Minor Admission Requirements
- Double major/dual degree policy in Political Science programs and minors:
  1. Students who double minor in Political Science and International and Global Studies shall not count more than one course toward both programs.
  2. Students who major in International and Global Studies, and minor in Political Science/Prelaw, shall not count more than one course toward both programs, except the following:

Required Courses (6 hrs)
- POS 2041 American National Government 3 hrs
- POS 4941L Political Science Internship 3 hrs

Restricted Electives (12 hrs)
- Select 1: 3 hrs
- POS 2428 Judicial Process and Politics 3 hrs

Restricted Upper Division Electives 9 hrs
- Three upper division Political Science courses (courses with prefixes CPO, INR, POS, POT, PUB 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:

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
- Double major/dual degree policy in Political Science programs and minors:
  1. Students who double minor in Political Science/Prelaw and International and Global Studies shall not count more than one course toward both programs.
  2. Students who major in International and Global Studies, and minor in Political Science/Prelaw, shall not count more than one course toward both programs, except the following:

Required Courses (15 hrs)
- Five upper division Political Science courses (courses with prefixes CPO, INR, POS, POT, PUB 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 used:

Restricted Electives (18 hrs)
- Academic Constitutional Law or 3 hrs
- American Constitutional Law or 3 hrs
- American Constitutional Law II 3 hrs
- National Security Policy 3 hrs
- Political Science Internship 3 hrs

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 without prior departmental permission.
Minors

Psychology - Minor
College of Sciences
Department of Psychology, Psychology Building, Room: 301

http://www.psych.ucf.edu/
E-mail: psychadvising@ucf.edu
Psychology Advising Center, PSY 250
Phone: 407-823-2219

The Psychology Department minor permits emphasis of several areas: Clinical Psychology, Human Factors Psychology, and Industrial/Organizational Psychology. When designing a minor, select courses which strengthen graduate school preparation and/or employment potential. Emphasis areas will not appear on the transcript.

Minor Admission Requirements
■ The minor is not open to psychology majors.

Minor Requirements
■ A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
■ Students must maintain a minimum GPA of “C” (2.0) in the minor.
■ At least 12 hours used in the minor must be earned at UCF within the department of Psychology.

Prerequisite Courses
■ Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (10 hrs)
- PSY 2012 General Psychology 3 hrs
- PSY 3204C Statistical Methods in Psychology 4 hrs

Select one statistics course:
- STA 2014C Principles of Statistics or 3 hrs
- STA 2023 Statistical Methods I 3 hrs

Restricted Electives (15 hrs)
A. Experimental
Select 1:
- EXP 3404C Basic Learning Processes or 3 hrs
- EXP 3204C Perception or 4 hrs
- EXP 3604C Cognitive Psychology or 4 hrs
- PSB 4240C Neuropsychology or 4 hrs
- PSY 3703 Psychology of Language 3 hrs

B. Personality/Social
Select 1:
- PPE 3003C Personality Theory and Research or 3 hrs
- SOP 3004C Social Psychology 3 hrs

C. Developmental
Select 1:
- DEP 2004C Developmental Psychology or 3 hrs
- DEP 3202 Psychology of Exceptional Children or 3 hrs
- DEP 3464 Psychology of Aging 3 hrs

D. Diversity
Select 1:
- CLP 3184 Women’s Mental Health or 3 hrs
- SOP 3742 Psychology of Women or 3 hrs
- SOP 3723 Cross Cultural Psychology or 3 hrs
- SOP 3724 Psychology of Prejudice or 3 hrs
- SOP 3784 Psychology of Diversity 3 hrs

E. Select one additional Psychology elective
■ The following courses will not fulfill this requirement:
- INP 3141C Advanced Applied Psychology 1 hr
- INP 3951 Industrial/Organizational Field Work 3 hrs
- PSY 3805 Directed Independent Study 1 hr
- PSY 4906 Directed Independent Study 1 hr
- PSY 4912 Directed Independent Research 1 hr
- PSY 3951 Undergraduate Field Work 1 hr

1 This course may fulfill the requirement with prior approval.

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 25

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

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses (21 hrs)
- PAD 3003 Public Administration in American Society 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
- PAD 3733 Professional Administrative Writing in the Public Sector 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 or Independent Study credit cannot be used toward the minor without prior approval.

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

Internship, Co-op, or Independent Study credit cannot be used toward the minor.

No credit by exam (TSD, Military credit) may be used.

Minor Admission Requirements
■ None

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses (6 hrs)
- ACG 2021 Principles of Financial Accounting 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs

Required Courses (13 hrs)
- FIN 2100 Personal Finance and Investments 3 hrs
- FIN 3403C Business Finance 4 hrs

Open to Business and Non-Business Students. Not available to Real Estate Majors.

Minor Admission Requirements
■ None

Minor Requirements
■ None

Prerequisite Courses
■ 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.
- 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
Department of Education

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

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses
- None

(Select from the following courses)

Required Courses (9 hrs)
- PEO 3041 Games Analysis 3 hrs
- PET 3765 Coaching Theory 3 hrs
- PET 3820 Teaching Sports Skills I 3 hrs

Restricted Electives (9 hrs)
- DAE 3370 Dance and Rhythms 3 hrs
- PET 3771 Strength and Conditioning Concepts 3 hrs
- PET 4050C Motor Development and Learning 3 hrs
- PET 4312C Kinesiology/Biomechanics 3 hrs
- SPM 3130 Aquatic Management 3 hrs
- PET 4002 Outdoor and Leisure Activities 3 hrs
- SPM 3204 Sports and Ethics 3 hrs
- SPM 3415 Public Relations in Sport and Exercise Science 3 hrs
- PET 3361 Nutrition and Metabolism in Sport and Exercise Science 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No grades below "C" (2.0) will be accepted
- All of these hours must be earned at UCF
- No credit by exam, (TSD, Military credit) may be used
- Independent study credit cannot be used toward the minor

Religious Studies - Minor
College of Arts and Humanities

Department of Philosophy, Psychology Building, Room: 220
http://philosophy.cah.ucf.edu/

Dr. Sabatino DiBernardo, sdberna@mail.ucf.edu, 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

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (3 hrs)
- REL 2300 World Religions 3 hrs

Restricted Electives (18 hrs)
- (Select from the following courses)

Religion, Humanities, Classics, and Philosophy courses (12 hrs)
- CLT 3370 Classical Mythology or 3 hrs
- CLT 3378 Comparative Mythology or 3 hrs
- HUM 3320 Contemporary Multicultural Studies 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 3552 Christian Thought or 3 hrs
- HUM 4303 The Spiritual Ideal or 3 hrs
- HUM 4330 Performance Theory or 3 hrs
- HUM 4554 Religious Quest and Human Dilemma or 3 hrs
- PHI 3033 Philosophy, Religion, and the Environment or 3 hrs
- PHI 3638 Ethical Issues in the 21st Century or 3 hrs
- PHI 3672 Animal Ethics or 3 hrs
- PHI 3684 Ways of Living or 3 hrs
- PHI 3700 Philosophy of Religion or 3 hrs
- PHI 3821 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 3100 Freedom and Justice or 3 hrs
- PHM 3786 Existentialism or 3 hrs
- REL 3111 Religion in America or 3 hrs
- REL 3340 Buddhist Thought or 3 hrs
- REL 3432 Roots of Western Mysticism or 3 hrs
- REL 4110 Religion and the Arts or 3 hrs
- REL 4180 Religion and Medicine or 3 hrs
- REL 4353 Moses, Jesus and Muhammad 3 hrs

Courses offered through other Departments (6 hrs)
- NOTE: Other courses, including special topics, may be applied toward the Minor with the approval of the Director.
- AML 3615 Harlem, Haiti, and Havana or 3 hrs
- ANT 3241 Magic, Ritual, and Belief or 3 hrs
- ANT 3245 Native American Religions or 3 hrs
- ASH 3222 Islam and its Empires or 3 hrs
- ASH 3233 The Modern Middle East or 3 hrs
- JST 3005 Tenets of Judaism or 3 hrs
- JST 3125 The Book of Job or 3 hrs
Secure Computing and Networks - Minor
College of Engineering and Computer Science
Department of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 346
http://www.eecs.ucf.edu
Dr. Mark Llewellyn, markl@cs.ucf.edu, 407-823-3327

Minor Admission Requirements
■ None

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses
(6 hrs)

Required Courses
6 hrs
CIS 3360 Security in Computing 3 hrs
CIS 3362 Cryptography and Information Security 3 hrs

Restricted Electives
(12 hrs)
■ Elective Courses: Select any four courses from the following list.

Select 4:
12 hrs
CNT 4403 Network Security and Privacy or 3 hrs
CIS 4361 Secure Operating Systems and Administration or 3 hrs
CIS 4615 Secure Software Development and Assurance or 3 hrs
CNT 4703C Design and Implementation of Computer Communication Networks or 3 hrs
CNT 4704 Analysis of Computer Communication Networks or 3 hrs
COP 4600 Operating Systems or 3 hrs
EEL 4781 Computer Communication Networks 3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ A minimum GPA of 2.0 is required in all the courses used to satisfy the minor
■ No credit by exam (TSD, Military credit) may be used
■ Internship, Co-op, or Independent Study credit cannot be used toward the minor

Social Science Education - Minor
College of Education
School of Teaching, Learning, and Leadership,
Education Building, Room: 209
http://education.ucf.edu/ssed/
Dr. Janet Andreasen, ED 123Q, jandreas@mail.ucf.edu, 407-823-1766

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

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses
18 hrs
EDG 4410 Teaching Strategies and Classroom Management 3 hrs
EDF 4467 Learning Theory and Assessment 3 hrs
CNT 4703C Design and Implementation of Computer Communication Networks or 3 hrs
CNT 4704 Analysis of Computer Communication Networks or 3 hrs
COP 4600 Operating Systems or 3 hrs
EEL 4781 Computer Communication Networks 3 hrs

Elective Courses: Select any four courses from the following list.

Other Requirements
■ A minimum GPA of 2.5 overall GPA is required in all 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

Science Education - Minor
College of Education
School of Teaching, Learning, and Leadership,
Education Building, Room: 209
http://education.ucf.edu/science/
Dr. Janet Andreasen, ED 123Q, jandreas@mail.ucf.edu, 407-823-5430

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
■ 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

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses
19 hrs
EDG 4410 Teaching Strategies and Classroom Management 3 hrs
EDF 4467 Learning Theory and Assessment 3 hrs

Elective Courses: Select any four courses from the following list.

Other Requirements
■ A minimum GPA of 2.5 overall GPA is required in all 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

UNIVERSITY OF CENTRAL FLORIDA
Minors

**TSL 4080**  Theory and Practice of Teaching ESOL  Students in Schools  3 hrs
**RED 4043**  Content Reading in Kindergarten through Grade 12  3 hrs
**SSE 4361**  Social Science Instructional Analysis  4 hrs
**SSE 4936**  Programs in Teaching Social Science  3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 19

Other Requirements
- Students should see an advisor prior to registering for classes
- Students must complete 18 hrs of courses in science as corequisites
- At least 12 hours in the minor must be earned at UCF
- Obtain a minimum 2.5 GPA in courses required for minor

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**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.

Minor 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

Restricted Electives (15 hrs)
- 2000-4000 level Sociology courses
- 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 without departmental permission.

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**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 Hamson, Faculty Coordinator for SPB Minor, khamison@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

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (12 hrs)
- SPB 3003 Introduction to Sport Business Management
- SPB 3603 Diversity and Social Issues in Sport Business Management
- SPB 3823 The Role of Business Entrepreneurship in Sports/Entertainment
- MAR 4711 Sport Marketing

Restricted Electives (6 hrs)
- MAN 4701 Business Ethics and Society
- SPB 4304 Sports Event and Facility Management
- SPB 4804 Sport Business and Media
- 1 GEB 4824 Business Law in Sport & Entertainment

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

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**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

Policies
- Students may substitute Advanced Placement, International Baccalaureate, and Transfer Credit in accordance with UCF policy.
- Students may substitute American Language Proficiency Exam and Courageous Language Proficiency Exam for college credit in accordance with UCF policy.
- Students may substitute test scores for college credit in accordance with UCF policy.
- Students may substitute college transfer credits in accordance with UCF policy.

Total Semester Hours Required
- 18
Minor 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 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.

Other Requirements

- At least one course taken in SPB 3003.
- 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.

Minor Admission Requirements

- The minor is not open to Statistics majors.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Restrictive Electives

- The following course cannot be used as a restricted elective: STA 3032 Probability and Statistics for Engineers

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- 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.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Restricted Electives

- 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

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- 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.

Technical Education and Industry Training - Minor

College of Education

Department of Educational and Human Sciences, Education Complex, Room: ED 123 N

http://education.ucf.edu/teched/

E-mail: jwhitema@mail.ucf.edu

Dr. Jo Ann M. Whiteman
Phone: 407-325-6293

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

Minor Requirements

- None
Prerequisite Courses
- None

Required Courses
- ADE 4382 Teaching Adult Learners in Technical Programs
- 3 hrs
- ECT 4384 Advanced Teaching Techniques for Vocational Education
- 3 hrs
- ECT 3062 Professional Role of the Vocational Teacher
- 3 hrs
- ECT 3367 Evaluation of Vocational Instruction
- 3 hrs
- ECT 4184 Curriculum Development Techniques for Industry Training
- 3 hrs
- ECT 4004 Principles and Practices of Technical Education
- 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum of 4 courses of the 6 required must be completed at UCF within the program of courses listed above.
- A grade of “C” (2.0) or better must be achieved in each course used towards this Minor.
- Internship, Co-op, or Independent Study credit cannot be used towards this Minor.
- No Military credit can be used toward this Minor.
- Completion of this Minor does not complete requirements for certification as a Vocational Education teacher nor does it constitute admission to the College of Education.

Technological Entrepreneurship - Minor
College of Business Administration
Department of Management, Business Administration, Room: 309

http://www.cei.ucf.edu
Cameron Ford, cford@bus.ucf.edu
Phone: 407-823-5569

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

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses
- ADE 4382 Teaching Adult Learners in Technical Programs
- 3 hrs
- ECT 4384 Advanced Teaching Techniques for Vocational Education
- 3 hrs
- ECT 3062 Professional Role of the Vocational Teacher
- 3 hrs
- ECT 3367 Evaluation of Vocational Instruction
- 3 hrs
- ECT 4184 Curriculum Development Techniques for Industry Training
- 3 hrs
- ECT 4004 Principles and Practices of Technical Education
- 3 hrs

Restricted Electives
- None

Innovation Design or Research Sequence
- 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:

- Required Courses (18 hrs)
  - EGN 4412C Interdisciplinary Design I and 6 hrs
  - EGN 4413C Interdisciplinary Design II 6 hrs
- BSEE, BSCPE:
  - EEL 4914 Senior Design I and 6 hrs
  - EEL 4915L Senior Design II 6 hrs
- BSME:
  - EML 4501C Engineering Design I and 6 hrs
  - EML 4502C Engineering Design II 6 hrs
- BSCE:
  - CCE 4810C Construction Design Project and 6 hrs
  - CEG 4801C Geotechnical Engineering Design 6 hrs
- BSAE:
  - EAS 4700C Aerospace Design I and 6 hrs
  - EAS 4710C Aerospace Design II 6 hrs
- Digital Media:
  - DIG 4713 Game Design and 6 hrs
  - DIG 4715C Game Production 6 hrs

Discipline-Specific or Experiential Sequence
- 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), Information Management and Entrepreneurship (DIG 3563), 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 minimum GPA of 2.25 is required for acceptance into this minor degree program.
- A cumulative GPA of 2.0 is required to successfully complete the minor.
- Students must have a grade of “C” (2.0) or better in all courses in the minor.
- At least 12 credit hours in the minor must be from UCF.

Theatre - Minor
College of Arts and Humanities
Department of Theatre, UTC, Room: 180

http://www.theatre.cah.ucf.edu
E-mail: theatre@mail.ucf.edu
Earl Weaver, eweaver@mail.ucf.edu, 407-823-2862

Minor Admission Requirements
- A successful interview and current resume

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses
- ADE 4382 Teaching Adult Learners in Technical Programs
- 3 hrs
- ECT 4384 Advanced Teaching Techniques for Vocational Education
- 3 hrs
- ECT 3062 Professional Role of the Vocational Teacher
- 3 hrs
- ECT 3367 Evaluation of Vocational Instruction
- 3 hrs
- ECT 4184 Curriculum Development Techniques for Industry Training
- 3 hrs
- ECT 4004 Principles and Practices of Technical Education
- 3 hrs

Restricted Electives
- None

Innovation Design or Research Sequence
- 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:

- Required Courses (15 hrs)
  - THE 2304 Script Analysis 3 hrs
  - THE 3311 Theatre History and Dramatic Literature I 3 hrs
  - TPP 2101 Fundamentals of Acting 3 hrs
  - TPA 2201 Technical Theatre Production 2 hrs
  - TPA 2201L Technical Theatre Production Lab 1 hr
- Select 1:
  - THE 2000 Theatre Survey or 3 hrs
  - THE 2020 Survey of Theatre for Majors 3 hrs
- Restricted Electives
  - 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.
Minors

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 departmental handbooks every semester.

Women’s Studies - Minor
College of Arts and Humanities
Program in Women’s Studies, Colbourn Hall, Room: 411A
http://womensstudies.cah.ucf.edu
E-mail: womensst@mail.ucf.edu
Dr. M.C. Santana, 407-823-2269
Phone: 407-823-6502

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

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses
- 6 hrs

Select 1:
- 3 hrs

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

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 3808C Images of Women in Film 3 hrs
- LIT 3383 Women in Literature 3 hrs
- LIT 3823 Hispanic Women Writers 3 hrs
- PHM 3022 Sexuality, Gender & Philosophy 3 hrs

Suggested Courses
- Voices and 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.

Restrict Electives
- 12 hrs

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 - Minor
College of Arts and Humanities
Program in Women’s Studies, Colbourn Hall, Room: 411A
http://womensstudies.cah.ucf.edu
E-mail: womensst@mail.ucf.edu
Dr. M.C. Santana, 407-823-2269
Phone: 407-823-6502

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

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses
- 6 hrs

Select 1:
- 3 hrs

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

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 3808C Images of Women in Film 3 hrs
- LIT 3383 Women in Literature 3 hrs
- LIT 3823 Hispanic Women Writers 3 hrs
- PHM 3022 Sexuality, Gender & Philosophy 3 hrs

Suggested Courses
- Voices and 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.

Restrict Electives
- 12 hrs

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

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 3808C Images of Women in Film 3 hrs
- LIT 3383 Women in Literature 3 hrs
- LIT 3823 Hispanic Women Writers 3 hrs
- PHM 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:  3 hrs
PEM 2405  Self Defense for Women and Men  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 3326  Women and Political Behavior  3 hrs
PUP 3323  Women and Public Policy  3 hrs
SYD 3751  North American Indian Women Today  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
SYD 3800  Sex and Gender in Society  3 hrs

Foreign Language Requirements
None

Total Semester Hours Required
18

Other Requirements
- Minimum grade of “C” (2.0) is required in each course used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, military credit) may be used.

World Comparative Studies - Minor
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

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses
IDS 3333  World Comparative Studies  3 hrs

Restricted Electives
- 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 an academic advisor in the Office of Interdisciplinary Studies.
AML 3615  Harlem, Haiti, and Havana  3 hrs

Other Requirements
- Any 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.
Minors

Writing and Rhetoric - Minor

College of Arts and Humanities
Department of Writing and Rhetoric, Colbourn Hall, Room: 301 B
http://writingandrhetoric.cah.ucf.edu
E-mail: bscott@mail.ucf.edu
Dr. Blake Scott, bscott@mail.ucf.edu, 407-823-1057

The Minor in Writing and Rhetoric will provide students with in-depth writing preparation grounded in the discipline of writing and rhetoric studies. The curriculum emphasizes writing as civic and community engagement.

Minor Admission Requirements

Transfer Notes

- Transfer courses in which students earned lower than a “C” (2.0 GPA) will not be accepted.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. Student must provide all supporting information.

Minor Requirements

- Students must earn a minimum GPA of 2.5 in coursework used to satisfy the minor.
- A grade of “C” (2.0) or better is required in each course used to satisfy the minor.
- Students must complete an electronic writing portfolio approved by the Director of Degree Programs.
- Students cannot earn both the Minor in Writing and Rhetoric and the Certificate in Public and Professional Writing.

Prerequisite Courses (3 hrs)

1 ENC 1102 Composition II 3 hrs

1 ENC 1102 is a GEP course. It does not count towards the 18 credit hours needed to fulfill the Writing and Rhetoric Minor requirements.

Required Courses (3 hrs)

Required Core Course

- Students should take core course as early in the program as possible.
  ENC 3331 Rhetoric and Civic Engagement 3 hrs

Restricted Electives (9 hrs)

- One course from each of the three Department of Writing and Rhetoric curricular clusters (see below):

Public, Professional and Disciplinary Writing 3 hrs

ENC 3250 Professional Writing 3 hrs
ENC 3310 Magazine Writing I 3 hrs

ENC 3311 Advanced Expository Writing 3 hrs
ENC 3351 Writing for Publication 3 hrs
ENC 3454 Topics in Public, Professional, and Disciplinary Writing 3 hrs
ENC 3315 Advanced Argumentative Writing 3 hrs
ENC 4416 Writing in Digital Environments 3 hrs
ENC 4354 Community Based Research and Writing 3 hrs
ENC 4212 Professional Editing 3 hrs

Rhetoric and Writing Histories and Theories 3 hrs

ENC 3330 Rhetorical Traditions 3 hrs
ENC 3417 Writing, Literacy, and Technology 3 hrs
ENC 3373 Alternative Rhetorics 3 hrs
ENC 3372 Topics in Rhetoric and Writing Histories and Theories 3 hrs
ENC 4504 Contemporary Composition Theory 3 hrs
ENC 4523 Writing and Identity 3 hrs
ENC 4374 Gendered Rhetorics 3 hrs
LIN 4600 Language and Society 3 hrs

Language and the Teaching of Writing 3 hrs

ENC 3473 Writing in Disciplinary Cultures 3 hrs
ENC 3521 Cultural Literacies 3 hrs
ENC 3503 Topics in Language and the Teaching of Writing 3 hrs
ENC 4544 Writing Pedagogy 3 hrs
ENC 4275 Writing/Consulting: theory & practice 3 hrs
LIN 3673 Grammar & Advanced Prose Style 3 hrs
LIN 4680 Modern English Grammar 3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required 18

Other Requirements

Students must also take two courses from among the following:

- Any course offered by the Department of Writing and Rhetoric not used to satisfy another requirement of the minor.
- Any 3000 or 4000 level ENC technical communication course.
- Any 3000 or 4000 level approved Gordon Rule course including:
  CRW 3011 Creative Writing for Non-Majors 3 hrs
  CRW 3053 Theory & Practice of Creative Writing 3 hrs
  PLA 3108 Legal Research 3 hrs
  PLA 3155 Legal Writing 3 hrs
Aging Studies - Certificate
College of Health and Public Affairs
School of Social Work, Health and Public Affairs 1, 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. 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 3001 Gerontology: An Interdisciplinary Overview 3 hrs

Required Internship: (Select one) 3 hrs
- 1 SOW 4510 Field Education 9 hrs
- 2 SOW 4941 Internship 9 hrs
- PSY 3951 Undergraduate Field Work 3 hrs
- SYP 4941 Internship 3 hrs

1 (Full-time students ONLY). Cannot be used with SOW 4941.
2 (Part-time students over two semesters ONLY). Cannot be used with SOW 4510.

Restricted Electives (9 hrs)
- Students select three additional courses from the following courses:
  A maximum of two courses 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 4220 Long Term Patient Management 3 hrs
- HSA 3222 Long Term Care and Administration 3 hrs
- HSC 4564 Health Care Needs of the Elderly 3 hrs
- PLA 4530 Legal Issues of the Elderly 3 hrs
- SOW 4645 Social Services for the Elderly 3 hrs
- NUR 4236 Gerontologic Nursing 3 hrs
- SOW 3740 Social Work Practice with Loss & Life's Transitions 3 hrs

Other Colleges 3 hrs
- DEP 3464 Psychology of Aging 3 hrs
- SYP 4730 Patterns of Aging in Society 3 hrs
- 1 GEY 5007 Women and Healthy Aging 3 hrs
- SYP 4732 Minority Aging 3 hrs

1 Open to undergraduates with senior standing

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/
E-mail: kmottare@mail.ucf.edu
Dr. Karen Mottarella
Phone: 321-433-7982

This certificate must be completed along with a Bachelor’s degree program of study. Certificates will be awarded only at the time of degree completion. The Behavioral Forensics Certificate is an interdisciplinary course of study that focuses on ways society attempts to recognize and deal with various forms of criminal behavior. The certificate exposes students to the practice of psychology within the legal system, including topics such as confidentiality, competency, and insanity. Students should view this certificate only as a way to shape and organize their coursework in this particular area of study; the certificate shows potential graduate schools and employers that students have been exposed to behavioral forensics.

Certificate Admission Requirements
- None

Certificate Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the certificate.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 12 hours used in the certificate must be earned at UCF.

Prerequisite Courses (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 3003C Personality Theory and Research and
  - SYP 3510 Sociology of Deviant Behavior

Required Courses (9 hrs)
- CLP 4390 Forensic Psychology 3 hrs
- SOP 3751 Legal Aspects of Psychology 3 hrs
- SYP 3520 Criminology 3 hrs

Restricted Electives (12 hrs)
- Note: It is the student’s responsibility to meet all prerequisites for every course selected

From Psychology, select one of the following: 3 hrs
- CLP 3143 Abnormal Psychology
- CLP 3302 Clinical Psychology
- CLP 4134 Childhood Psychopathology

From Sociology, select two of the following: 6 hrs
- SYP 3511 Sociology of Murder 3 hrs
- SYP 3530 Juvenile Delinquency 3 hrs
- SYP 3562 Patterns of Domestic Violence in Society 3 hrs
- SYP 4521 Crime Victims in Society 3 hrs
- SYP 4530 Patterns of Violence in Society 3 hrs
- SYP 4536 Gangs and Society 3 hrs
- SYP 3540 Sociology of Law 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 4670 Women and Crime 3 hrs
- CJE 4630 Serial Murder and Criminal Justice 3 hrs
- CCJ 3667 Victims and the CJ System 3 hrs
- CCJ 4681 Domestic Violence and the Justice System 3 hrs
- CCJ 4690 Sex Offenders and the Criminal Justice System 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 30
Certificates

Children’s Services - 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

This certificate is awarded only to students in the undergraduate social work program. The Children’s Services Certificate is designed to help students learn about the various components of the child welfare system and how that system impacts children and families. Students are prepared to identify child welfare problems such as child abuse and neglect experienced by children and families and are taught basic skills in working with families and the child welfare system. The certificate includes both classroom academic work and a specialized field internship. The program is a joint effort between the Schools of Social Work in Florida and the Department of Children and Families to improve services to children and their families.

Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
■ Must be a BSW major.

Certificate Requirements
■ Placement with the Department of Children and Families Working with child welfare or placement in an agency that serves children
■ Students need to discuss their interest in the certificate with the field office while arranging for their BSW placement

Prerequisite Courses
■ None

Required Courses (18 hrs)
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>SOW 3352</td>
<td>Practice II: Interpersonal Skills in Social Work</td>
<td>3</td>
</tr>
<tr>
<td>SOW 4654</td>
<td>Children’s Services</td>
<td>3</td>
</tr>
<tr>
<td>SOW 4650</td>
<td>Child Abuse: Treatment and Prevention</td>
<td>3</td>
</tr>
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</table>

Select 1:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOW 4510</td>
<td>Field Education or Internship</td>
<td>9</td>
</tr>
<tr>
<td>SOW 4941</td>
<td>Internship</td>
<td>9</td>
</tr>
</tbody>
</table>

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

Crime Scene Investigation - Certificate
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 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
■ None

Prerequisite Courses
■ None

Required Courses (12 hrs)
<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>CJE 3662</td>
<td>CJ Information Technology and Data Management</td>
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</tr>
<tr>
<td>CJE 4663</td>
<td>Crime Mapping and Pattern Analysis</td>
<td>3</td>
</tr>
<tr>
<td>CCJ 4076</td>
<td>Crime Intelligence and Investigative Support Analysis</td>
<td>3</td>
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</table>

Restricted Electives (6 hrs)
■ Select two of the following:
<table>
<thead>
<tr>
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<th>Hours</th>
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<tbody>
<tr>
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<td>Justice System Technology</td>
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<td>CJE 3444</td>
<td>Crime Prevention</td>
<td>3</td>
</tr>
<tr>
<td>CJE 4654</td>
<td>Crime and Place</td>
<td>3</td>
</tr>
<tr>
<td>CCJ 3450</td>
<td>The Criminal Justice Manager</td>
<td>3</td>
</tr>
<tr>
<td>CJE 4352</td>
<td>Policy Development in Law Enforcement</td>
<td>3</td>
</tr>
<tr>
<td>CJE 4572</td>
<td>Justice Agency Operations</td>
<td>3</td>
</tr>
</tbody>
</table>

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

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 (12 hrs)
■ Note: some courses have limited offerings, and should be taken when available.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 4521</td>
<td>Forensic Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4183</td>
<td>Archaeological Sciences</td>
<td>3</td>
</tr>
<tr>
<td>CJE 4012</td>
<td>Criminal Profiling in Criminal Justice</td>
<td>3</td>
</tr>
<tr>
<td>CJE 4610</td>
<td>Criminal Investigation</td>
<td>3</td>
</tr>
</tbody>
</table>
Criminal Profiling - Certificate

Certificate Requirements

Prerequisite Courses

Required Courses

Restricted Electives

Total Semester Hours Required

Other Requirements

Foreign Language Requirements

Other Requirements

Certificate Admission Requirements

Certificate Requirements

Prerequisite Courses

Required Courses

Restricted Electives

Total Semester Hours Required

Internship or Independent Study credit cannot be used toward the certificate. No credit by exam (TSD, Military credit) may be used. At least 12 hours used in the certificate must be earned at UCF. A grade of "C" or above (2.0) is required in each course used to satisfy the certificate. 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. 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.

Cultural Profiling - 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

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

Certificate Requirements

Prerequisite Courses

Required Courses

Restricted Electives

Total Semester Hours Required

Other Requirements

Foreign Language Requirements

Other Requirements

Certificate Admission Requirements

Certificate Requirements

Prerequisite Courses

Required Courses

Restricted Electives

Total Semester Hours Required

Internship or Independent Study credit cannot be used toward the certificate. No credit by exam (TSD, Military credit) may be used. At least 12 hours used in the certificate must be earned at UCF. A grade of "C" or above (2.0) is required in each course used to satisfy the certificate. 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. 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.

Cultural Profiling - Certificate

Certificate Requirements

Prerequisite Courses

Required Courses

Restricted Electives

Total Semester Hours Required

Other Requirements

Foreign Language Requirements

Other Requirements

Certificate Admission Requirements

Certificate Requirements

Prerequisite Courses

Required Courses

Restricted Electives

Total Semester Hours Required

Internship or Independent Study credit cannot be used toward the certificate. No credit by exam (TSD, Military credit) may be used. At least 12 hours used in the certificate must be earned at UCF. A grade of "C" or above (2.0) is required in each course used to satisfy the certificate. 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. 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.

Cultural Profiling - Certificate

Certificate Requirements

Prerequisite Courses

Required Courses

Restricted Electives

Total Semester Hours Required

Other Requirements

Foreign Language Requirements

Other Requirements

Certificate Admission Requirements

Certificate Requirements

Prerequisite Courses

Required Courses

Restricted Electives

Total Semester Hours Required

Internship or Independent Study credit cannot be used toward the certificate. No credit by exam (TSD, Military credit) may be used. At least 12 hours used in the certificate must be earned at UCF. A grade of "C" or above (2.0) is required in each course used to satisfy the certificate. 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. 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.
Certificates

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
Dr. R. Handberg, 407-823-2608
Dr. E. Kallina, 407-823-2225

In an increasingly shrinking, interdependent world, an understanding of diplomacy and diplomatic processes is critical for work in global business, international organizations and government. Students who complete this 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
INR 4030 Diplomacy 3 hrs
AMH 4513 United States as a Great Power: 1945-Present 3 hrs
INR 4102 American Foreign Policy 3 hrs

Restricted Electives
Select two courses from the following list: 6 hrs
INR 4114 American Security Policy 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 4714 Politics of International Trade Policy or 3 hrs
INR 4104 Topics and Cases in American Foreign Policy or 3 hrs
INR 4351 International Environmental Law or 3 hrs
INR 4401 International Law I or 3 hrs
INR 4502 International Organizations or 3 hrs
AMH 4512 US Diplomatic History: 1914-1945 or 3 hrs
EUH 4620 European Great Powers: 1815-1914 or 3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required 15

Other Requirements
■ No credit by exam (CLEP, 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
School of Teaching, Learning, and Leadership, Education Building, Room: 220B
http://education.ucf.edu/es/
E-mail: wwaise@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
EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
EDF 4467 Learning Theory and Assessment 3 hrs
EDG 4410 Teaching Strategies and Classroom Management 3 hrs
RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs

Restricted Electives
Choose one:
MAE 4634 Programs in Teaching of Mathematics 3 hrs
SSE 4361 Programs in Teaching Science 3 hrs
LAE 4342 Survey of Adolescent Literature 3 hrs
LAE 4464 Programs in Teaching Language and Composition 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. Transfer credits from other universities will be considered.
■ 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 and a banking faculty member.

Prerequisite Courses
■ None

Required Courses
FIN 4324 Commercial Bank Management 3 hrs
AGC 3131 Intermediate Financial Accounting I 3 hrs
AGC 3141 Intermediate Financial Accounting II 3 hrs

Select 1:
MAR 3391 Professional Selling or 3 hrs
FIN 4941 Finance Internship 3 hrs
### Finance: Corporate Finance - Certificate

**Department of Finance, Business Administration I, Room: 409**

http://web.bus.ucf.edu/academics/finance/

*Restricted to finance majors. These certificates do not require additional hours beyond the finance major program. They are intended to allow students to develop specializations in areas of interest. Certificates will be awarded only at the time of degree completion.*

**Certificate Admission Requirements**
- None

**Certificate Requirements**
- No course grade lower than a C will be accepted for the certificate requirements, and the average GPA for the four courses must be 3.0 or higher.
- An internship must be a paid internship with a financial services firm, and must be approved by the Department of Finance Internship coordinator.

**Prerequisite Courses**
- None

**Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ACG 3131 Intermediate Financial Accounting I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIN 3414 Intermediate Corporate Finance</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIN 4941 Finance Internship</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ACG 3141 Intermediate Financial Accounting II</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Restricted Electives**
- None

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 12

**Other Requirements**
- None

### Finance: Investments - Certificate

**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 at 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**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>FIN 3504</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIN 4514</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIN 3414</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIN 4941</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ACG 3131</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ACG 3141</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**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, Women’s Studies, Religious Studies, and Middle Eastern Studies programs. The certificate in Judaic Studies will be awarded to students completing 15 hours in the following Judaic Studies courses. For minor requirements, refer to the section on Judaic Studies Minor.

**Certificate Admission Requirements**
- None

**Certificate Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>JST 3820</td>
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<td>JST 3810</td>
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</tr>
<tr>
<td>JST 3450</td>
<td>3 hrs</td>
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<tr>
<td>JST 3620</td>
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**Language**

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<tr>
<th>Course</th>
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<tbody>
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<tr>
<td>JST 3402</td>
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<tr>
<td>JST 3550</td>
<td>3 hrs</td>
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<tr>
<td>JST 3481</td>
<td>3 hrs</td>
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<td>JST 3701</td>
<td>3 hrs</td>
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<td>JST 3415</td>
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**Jewish History**

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<tr>
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<tbody>
<tr>
<td>HBR 1120</td>
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<tr>
<td>HBR 1121</td>
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<tr>
<td>HBR 2200</td>
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<tr>
<td>HBR 2201</td>
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<tr>
<td>HBR 3250</td>
<td>3 hrs</td>
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**Literature**

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<tr>
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**Culture**

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<td>3 hrs</td>
</tr>
<tr>
<td>JST 3820</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
### Certificates

Other courses, including special topics, with the approval of the Director

**Restricted Electives**
- None

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 15

**Other Requirements**
- A grade of "C" (2.0) or better is required in all courses used to satisfy the certificate.
- At least 12 hours used in the certificate must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the certificate.

### 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.cohsa.ucf.edu/comdis**

**E-mail:** advising@mail.ucf.edu

**TBA**

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**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>LIN 3716</td>
<td>Language Development</td>
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<tr>
<td>SPA 4400</td>
<td>Language Disorders Across the Life Span</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIN 3716L</td>
<td>Language Development Lab</td>
<td>2 hrs</td>
</tr>
<tr>
<td>LIN 3673</td>
<td>Grammar &amp; Advanced Prose Style</td>
<td>3 hrs</td>
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</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 used 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**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>LDR 2001</td>
<td>Foundations of Leadership</td>
<td>2 hrs</td>
</tr>
<tr>
<td>LDR 2002</td>
<td>Intermediate Foundations of Leadership</td>
<td>2 hrs</td>
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**Restricted Requirements**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>COM 301C</td>
<td>Communication and Human Relations or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COM 3120</td>
<td>Organizational Communication or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COM 4461</td>
<td>Intercultural Communication or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COM 4462</td>
<td>Conflict Management</td>
<td>3 hrs</td>
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**Communication**

**Foundation Requirement**

<table>
<thead>
<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>EXP 3304C</td>
<td>Motivation</td>
<td>3 hrs</td>
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**Social Relations and Culture**

**Communication**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>SOP 3004C</td>
<td>Social Psychology</td>
<td>3 hrs</td>
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<tr>
<td>SOP 3723</td>
<td>Cross Cultural Psychology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SOP 3742</td>
<td>Psychology of Women</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SOP 3784</td>
<td>Psychology of Diversity</td>
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**Politics**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>BUL 3130</td>
<td>Legal and Ethical Environment of Business or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>EDF 3601</td>
<td>Professional Ethics in Education or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 3040</td>
<td>Ethics and Values in Public Administration or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 2108</td>
<td>Critical Thinking or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3640</td>
<td>Environmental Ethics</td>
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**Prerequisite Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>COM 3311</td>
<td>Communication and Human Relations or</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Restricted Electives**
- None

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 13
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

Required Courses (6 hrs)
- MAR 3721 Technology Applications in Marketing 3 hrs
- MAR 4941 Marketing Internship 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 6

Other Requirements
- None

Marketing: Healthcare 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 4712 Healthcare Marketing 3 hrs
- MAR 4941 Marketing Internship 3 hrs

Internship in healthcare-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: Retailing 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 in the major.

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (6 hrs)
- MAR 4231 Retailing Management 3 hrs
- MAR 4941 Marketing Internship 3 hrs

Internship in retail-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: Selling and Sales 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 in the major.

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (6 hrs)
- MAR 4231 Retailing Management 3 hrs
- MAR 4941 Marketing Internship 3 hrs

Internship in retail-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: 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

Prerequisite Courses
- None

Required Courses (6 hrs)
- MAR 4712 Healthcare Marketing 3 hrs
- MAR 4941 Marketing Internship 3 hrs

Internship in healthcare-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
Certificates

Certificate Requirements
- None
Prerequisite Courses
- None
Required Courses
- 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.

Restricted Electives
- None
Foreign Language Requirements
- None
Total Semester Hours Required
- 6
Other Requirements
- None

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
- 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 in the major.

Certificate Requirements
- None
Prerequisite Courses
- None
Required Courses (15 hrs)
- MSL 4301C  Leadership and Management  4 hrs
- MSL 4302C  Officership  4 hrs
- AMH 3547  U.S. Military History Since 1900  3 hrs
- Select 1: 4 hrs
- MSL 3201C  Leadership and Problem Solving  4 hrs
- MSL 3202C  Leadership and Ethics  4 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
- 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.

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)
- MSL 4301C  Leadership and Management  4 hrs
- MSL 4302C  Officership  4 hrs
- AMH 3547  U.S. Military History Since 1900  3 hrs
- Select 1: 4 hrs
- MSL 3201C  Leadership and Problem Solving  4 hrs
- MSL 3202C  Leadership and Ethics  4 hrs

Restricted Electives
- None
Foreign Language Requirements
- None
Total Semester Hours Required
- 15
Other Requirements
- None

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
Public and Professional Writing - Certificate
College of Arts and Humanities
Department of Writing and Rhetoric, Colbourn, Room: 301 B
http://writingandrhetoric.cah.ucf.edu
Dr. Blake Scott, bscott@mail.ucf.edu, 407-823-1057

The Certificate in Public and Professional Writing will provide students with additional training and experience in workplace and public (i.e., civic, community-based) writing.

Certificate Admission Requirements

Transfer Notes
- Grades lower than a “C” (2.0) GPA will not be accepted for transfer credit.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. Student must provide all appropriate documentation.

Certificate Requirements
- Students must complete an electronic writing portfolio approved by the Director of Degree Programs.
- Students must earn a minimum of a 2.5 GPA in coursework used to satisfy the certificate.
- A grade of “C” (2.0) or better is required in each course used to satisfy the certificate.
- Students should consult with a department advisor.
- Students cannot earn both the Certificate and the Minor in Writing and Rhetoric.

Prerequisite Courses

Prerequisite
1 ENC 1102 Composition II 3 hrs

1 ENC 1102 is a GEP course. It does not count towards the 12 credit hours needed to fulfill the Public and Professional Writing Certificate requirements.

Required Courses

Required Core Courses (15 hrs)
ENC 3331 Rhetoric and Civic Engagement 3 hrs
ENC 3250 Professional Writing 3 hrs
ENC 4416 Writing in Digital Environments 3 hrs
ENC 4212 Professional Editing 3 hrs

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

Total Semester Hours Required
- 18

Certificates

Real Estate: Mortgage Brokerage - Certificate
College of Business Administration
Dr. P. Phillips School of Real Estate, Business Administration II, Room: 101
http://web.bus.ucf.edu/realestate/

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 4204 Residential Real Estate Finance 3 hrs
REE 4203 Commercial Real Estate Finance 3 hrs

Select 1: 3 hrs
MAR 3391 Professional Selling or 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
- 18

Other Requirements
- None
Certificates

Real Estate: Real Estate Appraisal - Certificate
College of Business Administration
Dr. P. Phillips School of Real Estate, Business Administration II, Room: 101
http://web.bus.ucf.edu/realestate/

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)
  REE 3043 Fundamentals of Real Estate 3 hrs
  REE 3433 Real Estate Law 3 hrs
  REE 4103 Real Estate Appraisal and Valuation 3 hrs
  MAR 3391 Professional Selling 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
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 Randell, 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)
  SCC 3311 Security Administration 3 hrs
  CJT 3803 Security Management 3 hrs
  CJT 4843 Risk Management in Criminal Justice/Private Security 3 hrs
  CCJ 4644 White Collar Crime 3 hrs

Restricted Electives
- (3 hrs)
  Select one of the following:
  - PLA 5937 Seminar in Contemporary Legal Problems 3 hrs
  - CJE 3444 Crime Prevention 3 hrs
  - PLA 3277 The Law of Torts 3 hrs
  - SCC 3316 Special Security Problems 3 hrs
  - DSC 4012 Terrorism 3 hrs

Foreign Language Requirements
- None
Total Semester Hours Required
- 15
Other Requirements
- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- At least 12 hours used in the certificate must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the certificate.

Real Estate: Real Estate Brokerage - Certificate
College of Business Administration
Dr. P. Phillips School of Real Estate, Business Administration II, Room: 101
http://web.bus.ucf.edu/realestate/

*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)
  REE 3043 Fundamentals of Real Estate 3 hrs
  REE 3433 Real Estate Law 3 hrs
  REE 4303 Real Estate Investment Analysis 3 hrs
  MAR 3391 Professional Selling 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
Foreign Language Requirements
- None
Total Semester Hours Required
- 15
Other Requirements
- None
### 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

**Prerequisite Courses**  
- None

**Required Courses**  
(12 hrs)
- 4 UCF-approved SL courses
  - Students may choose any four of the UCF-approved service-learning courses in any discipline to satisfy the credit hour requirements. Service-Learning courses are designated with an “SL” and can be accessed under “special groups” in the class schedule.

**Restricted Electives**  
- None

**Foreign Language Requirements**  
- None

**Total Semester Hours Required**  
- 12

**Other Requirements**  
- Minimum GPA of 2.5 in UCF-approved SL classes.
- Minimum of 60 community service hours in four (4) UCF-approved SL courses.

### Substitute Teaching - Certificate

**College of Education**  
**School of Teaching, Learning, and Leadership, 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 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

**Prerequisite Courses**  
- None

**Required Courses**  
(9 hrs)  
- EDF 2250 Classroom Management for Substitute Teachers  
- TSL 4363 ESL Classroom Experiences  
- TSL 4240 Issues in Second Language Acquisition  
- TSL 3346 English as an International Language

### Teaching English as a Foreign Language - Certificate

**College of Arts and Humanities**  
**Department of Modern Languages and Literatures, Colbourn Hall, Room: 523**  
http://mll.cah.ucf.edu  
Dr. K. Folse, 407-823-4555  
Phone: 407-823-2472

Certificates will be awarded only at time of degree completion.

**Certificate Admission Requirements**  
- None

**Prerequisite Courses**  
- None

**Required Courses**  
(12 hrs)  
- TSL 3346 English as an International Language  
- TSL 4240 Issues in Second Language Acquisition  
- ANT 3610 Language and Culture  
- TSL 4363 ESL Classroom Experiences

**Restricted Electives**  
- None

**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 3809 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 (3 hrs)
- WST 3015 Introduction to Women’s Studies 3 hrs

Restricted Electives (9 hrs)
- 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: 3 hrs
- Internship required by a student’s major degree program may count for credit toward the certificate, if placement is substantively related to women and/or women’s issues.

Foreign Language Requirements
- None

Total Semester Hours Required
- 12

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.
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@ucf.edu

Dr. Alain Kassab, alain.kassab@ucf.edu, 407-823-5778
Dr. Kuo-Chi (Kurt) Lin, kuo-chi.lin@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 Aerospace Engineering major in catalog for GEP requirements.

A: Communication Foundations
B: Cultural & Historical Foundations
C: Mathematical Foundations
D: Social Foundations
E: Science Foundations

2. Common Program Prerequisites (CPP) (19 hrs)
   - See Aerospace Engineering major in the catalog for the CPP requirements.

3. Core Requirements: Basic Level (2 hrs)
   - The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing these courses, together with the core requirements, technical elective courses and senior design courses listed. Independent study courses generally do not satisfy major requirements.

   EGN 1006C  Introduction to the Engineering Profession  1 hr
   EGN 1007C  Engineering Concepts and Methods  1 hr

4. Core Requirements: Advanced Level (54 hrs)

   EGN 3310  Engineering Analysis-Statistics  3 hrs
   EGN 3321  Engineering Analysis-Dynamics  3 hrs
   EGN 3343  Thermodynamics  3 hrs
   EMA 3706  Structure and Properties of Aerospace Materials  3 hrs
   EGN 3373  Principles of Electrical Engineering  3 hrs
   STA 3032  Probability and Statistics for Engineers  3 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 4134  High-Speed Aerodynamics  3 hrs
   EAS 4200  Flight Structures  3 hrs
   EAS 4300  Aerothermodynamics of Propulsion Systems  3 hrs
   EML 3034C  Modeling Methods in Mechanical and Aerospace Engineering  3 hrs
   EML 4312C  Feedback Control  3 hrs
   EGM 3601  Solid Mechanics  3 hrs
   EAS 4210  Space Structural Dynamics  3 hrs

Select 1:  3 hrs
   EAS 3530  Space Systems Concepts or
   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

11. Departmental Exit Requirements
   - CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

   Select 1:  3 hrs
   EAS 4700C  Aerospace Design I or
   EGM 4412C  Interdisciplinary Design I  3 hrs

   Select 1:  3 hrs
   EAS 4710C  Aerospace Design II or
   EGM 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
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Engineering Leadership

Advising Notes
- The baccalaureate degree will be awarded when program requirements for the BS are met and students have completed a minimum of 128 hours of credit. Students will then be reclassified as graduate students. The MSAE or MSME will be awarded on completion of the total program of study.
- The following will be waived for this joint degree program: The limit of nine hours to be shared between undergraduate and graduate programs. Undergraduate students taking graduate courses must be within nine hours of graduation. Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester.

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None
## Accelerated Undergraduate-Graduate Programs

<table>
<thead>
<tr>
<th>Shared Courses</th>
<th>(12 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Up to 12 credit hours of approved 5000 and 6000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either technical elective or course requirements for the major. Contact the Graduate Coordinator in the Mechanical, Materials, and Aerospace Engineering department for a list of acceptable courses.</strong></td>
<td></td>
</tr>
</tbody>
</table>

### Graduate Course Link
- [http://www.graduatetcatalog.ucf.edu/content/Courses.aspx](http://www.graduatetcatalog.ucf.edu/content/Courses.aspx)

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oes.ucf.edu/al/academic_learning_compacts.htm](http://www.oes.ucf.edu/al/academic_learning_compacts.htm)

### Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

## Communication Sciences and Disorders - Accelerated Undergraduate-Graduate Program (B.A.)

### College of Health and Public Affairs

### Department of Communication Sciences and Disorders, Health and Public Affairs II, Room: 101

**E-mail:** advising@mail.ucf.edu
**Phone:** 407-823-4798

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)**

<table>
<thead>
<tr>
<th>A: Communication Foundations</th>
<th>(9 hrs)</th>
</tr>
</thead>
<tbody>
<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>Prefer MGF 1108</td>
<td>Finite Mathematics</td>
</tr>
<tr>
<td><strong>Select 1:</strong></td>
<td></td>
</tr>
<tr>
<td>Suggested STA 2014C</td>
<td>Principles of Statistics</td>
</tr>
<tr>
<td>Suggested STA 2023</td>
<td>Statistical Methods I</td>
</tr>
<tr>
<td><strong>D: Social Foundations</strong></td>
<td>(6 hrs)</td>
</tr>
<tr>
<td>Suggested PSY 2012</td>
<td>General Psychology</td>
</tr>
<tr>
<td><strong>Select 1:</strong></td>
<td></td>
</tr>
<tr>
<td>Suggested ECO 2013</td>
<td>Principles of Macroeconomics</td>
</tr>
<tr>
<td>or Suggested ECO 2023</td>
<td>Principles of Microeconomics</td>
</tr>
<tr>
<td>or Suggested POS 2041</td>
<td>American National Government</td>
</tr>
<tr>
<td><strong>E: Science Foundations</strong></td>
<td>(7 hrs)</td>
</tr>
<tr>
<td>Prefer BSC 1005</td>
<td>Biological Principles</td>
</tr>
<tr>
<td>Prefer BSC 1005L</td>
<td>Biological Principles Laboratory</td>
</tr>
<tr>
<td>Required PHY 2XXX Physics Course</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### 2. Common Program Prerequisites (CPP)
- STA 2014C | Principles of Statistics | GEP |
- BSC 1005 | Biological Principles | GEP |
- PSY 2012 | General Psychology | GEP |
- PHY 2XXX Physics Course | GEP |

### 3. Core Requirements: Basic Level
- **None**

#### 4. Core Requirements: Advanced Level
- **(44 hrs)**

| SPA 3471 | Communication Disorders in Literature and Media | 3 hrs |
| SPA 3011 | Physiological Bases of Speech and Hearing | 3 hrs |
| SPA 3112 | Basic Phonetics | 3 hrs |
| SPA 3112L | Basic Phonetics Lab | 1 hr |
| LIN 3716 | Language Development | 3 hrs |
| SPA 3011 | Speech Science I: Production | 3 hrs |
| SPA 3011L | Speech Production lab | 1 hr |
| SPA 3104 | Neural Bases of Communication | 3 hrs |
| SPA 3123 | Speech Science II: Perception | 3 hrs |
| SPA 3123L | Speech Perception Lab | 1 hr |
| SPA 4032 | Audiology | 3 hrs |
| SPA 4321 | Audioling Rehabilitation | 3 hrs |
| SPA 4478 | Multicultural Aspects of Communication Disorders & Differences | 3 hrs |
| DEP 2004C | Developmental Psychology | 3 hrs |
| LIN 3716L | Language Development Lab | 2 hrs |
| LIN 3713 | Language Science | 3 hrs |

#### 5. Restricted Electives
- **(9 hrs)**

| STA 2023 | Statistical Methods I and | GEP |
| STA 4163 | Statistical Methods II | GEP |

#### 6. Capstone Requirements
- **(3 hrs)**

**Select 1:**
- EAB 3703C | Principles of Behavior Modification or | 4 hrs |
- EEC 4601 | Introduction to Behavior Management or | 3 hrs |
- EEC 4604 | Classroom Management and Guidance for Young Children or | 3 hrs |
- EDF 3303 | Learning Environments and Guidance for Young Children or | 3 hrs |
- SPA 3472 | Guidance of Young Children with Communication Disorders | 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. 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 in college. ASL I, II, and III can be used to fulfill this requirement.**

### 8. Electives
- **Select 12 hours of electives. A minor or certificate is encouraged.**

### 9. Additional Requirements
- **None**
### 10. Required Minors
- None

### 11. Departmental Exit Requirements
- A minimum grade of "B" in all graduate courses.
- A minimum overall GPA of 3.0 in the courses used to satisfy the major.
- A passing score on the Communication Sciences and Disorders Undergraduate Competency Examination

### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

#### Total Undergraduate Hours Required
- 120

### Honors In Major
- Interested students should contact the undergraduate program coordinator.

### Related Programs
- Health Services Administration
- Psychology
- Social Work
- Exceptional Student Education

### Certificates
- Language Development and Disorders

### Related Minors
- Exceptional Education
- Early Childhood Education
- Aging Studies
- Health Services Administration
- Interpersonal/Organizational Communication
- Linguistics
- Psychology
- Communication Sciences and Disorders

### 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

### Graduate Courses Link
- None

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes)
  for undergraduate programs are located at:
  http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

### Equipment Fees
- Part-Time Student: $17.50 per term
- Full-Time Student: $35.00 per term

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### Computer Engineering - Accelerated Undergraduate-Graduate Program (B.S.P.E. / M.S.P.E.)

#### College of Engineering and Computer Science
**Department of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 439**
http://www.eecs.ucf.edu

**E-mail:** eecpe-grad@eecs.ucf.edu

Dr. Ronald DeMara
Diana Ashley
Phone: 407-823-3327

#### Admission Requirements
- See Common Program Prerequisites
- Qualified students may apply after completion of a minimum of 64 credit hours
- Completion of no more than 96 credit hours
- Completion of the GRE with a highly competitive score by the end of the 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)**
   - (19 hrs)
   - See Computer Engineering major in the catalog for the CPP requirements

3. **Core Requirements: Basic Level**
   - (2 hrs)

4. **Core Requirements: Advanced Level**
   - (54 hrs)

5. **Required Minors**
   - None

6. **Core Courses Required for the Engineering Core**
   - (6 hrs)

7. **Elective Courses Required for the Engineering Core**
   - (3 hrs)

8. **Laboratory Courses Required for the Engineering Core**
   - (3 hrs)

9. **Program Academic Learning Compacts**
   - (student learning outcomes)

10. **Academic Learning Compacts**
    - for undergraduate programs are located at:
    - http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

11. **Equipment Fees**
    - Part-Time Student: $17.50 per term
    - Full-Time Student: $35.00 per term
Accelerated Undergraduate-Graduate Programs

7. Foreign Language Requirements
   Admissions
   ■ Two years of one foreign language in high school, or one year of
     one foreign language in college (or equivalent proficiency exam) prior to
     graduation.
   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.

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 resi-
      dency 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
■ 152

Honors In Major
■ None

Related Programs
■ Computer Science
■ Electrical Engineering
■ Information Technology
■ Mathematics - Engineering/Physics Track
■ Physics

Certificates
■ None

Related Minors
■ Information Technology
■ Computer Science
■ Intelligent Robotic Systems (IRS) - Interdisciplinary
■ Engineering Leadership

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.

Graduate Courses Link
■ None

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: $45 per term
■ Full-Time Student: $90 per term

Computer Science - Accelerated Undergraduate-
Graduate Program (B.S. / M.S.)
College of Engineering and Computer Science
Department of Electrical Engineering and Computer
Science, Harris Corp. Engineering Center, Room: 437
http://www.eecs.ucf.edu
Dr. Hassan Foroosh, foroosh@eecs.ucf.edu
Diane Ashley, eeceppe-grad@eecs.ucf.edu
Phone: 407-823-3327

Admission Requirements
■ See Common Program Prerequisites.
■ Qualified students may apply after completion of a minimum of 60
  credit hours and successful completion of the Foundation Exam.
■ Completion of no more than 90 credit hours.
■ Completion of the GRE with a highly competitive score by the end of
  first semester of the senior year for continuation in the program.
■ Admission is not automatic. Interested students may need to be
  interviewed.

Degree Requirements
■ None

1. UCF General Education Program (GEP)  (39 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)  (17 hrs)
■ See Computer Science major in the catalog for the CPP require-
  ments.

3. Core Requirements: Basic Level  (25 hrs)
   ■ STA 2023 Statistical Methods I  GEP
   ■ COP 3330 Object Oriented Programming  3 hrs
   ■ COP 3502C Computer Science I  3 hrs
   ■ COP 3503C Computer Science II  4 hrs
   ■ ENC 3241 Writing for the Technical Professional  3 hrs
   ■ CDA 3103 Computer Logic and Organization  3 hrs
   ■ COT 3100C Introduction to Discrete Structures  3 hrs
   ■ CIG 3360 Security in Computing  3 hrs
   ■ COP 3402 Systems Software  3 hrs
   ■ COT 3960 CS Foundation Exam  0 hrs

4. Core Requirements: Advanced Level  (20 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 3331C Processes for Object-Oriented Software Development  4 hrs
   ■ EEL 4768C Computer Architecture  4 hrs
   ■ COT 4210 Discrete Structures II  3 hrs
   ■ COP 4020 Programming Languages I  3 hrs
   ■ COP 4650 Operating Systems  3 hrs
   ■ COP 4810 Topics in Computer Science  3 hrs

5. Restricted Electives  (15 hrs)
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 cred-
     its 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 follow-
     ing courses.
   ■ 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
Accelerated Undergraduate-Graduate Programs

Electrical Engineering - Accelerated Undergraduate-Graduate Program (B.S.E.E. / M.S.E.E.)

College of Engineering and Computer Science
Department of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 439
http://www.eecs.ucf.edu

Dr. Ronald DeMara, demara@eecs.ucf.edu
Phone: 407-823-3327

Admission Requirements
- See Common Program Prerequisites.
- Qualified students may apply after completion of a minimum of 64 credit hours.
- Completion of no more than 96 credit hours.
- Completion of the GRE with an acceptable 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) (19 hrs)
    - See Common Program Prerequisites.

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 required major in this area as well as restricted elective courses and the senior design course listed below. Independent study courses generally do not satisfy major requirements.
    - EGN 3310 Engineering Analysis-Statics 3 hrs
    - EGN 3420 Engineering Analysis 3 hrs
    - STA 3032 Probability and Statistics for Engineers GEP
    - PHY 3101 Physics for Engineers and Scientists III 3 hrs

Select 1:
- EGN 3321 Engineering Analysis-Dynamics 3 hrs
- EGN 3358 Thermo-Fluids-Heat Transfer 3 hrs

Courses Required for the Major 41 hrs
- EEL 3004 Electrical Networks 3 hrs
- EEL 3123C Networks and Systems 4 hrs
- EEE 3350 Semiconductor Devices I 3 hrs
- EEE 3307C Electronics I 4 hrs
- EEE 3342C Digital Systems 3 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
Accelerated Undergraduate-Graduate Programs

EEE 4309C  Electronics II  4 hrs
EEE 4750  Digital Signal Processing Fundamentals  3 hrs
EEE 4742C  Embedded Systems  4 hrs

5. Restricted Electives  (10 hrs)
   ▪ Technical electives should be taken at the 5000 level and are available in
     the BSEE program to address specific student interests in a variety of technical areas. Students should consult with their academic advisor for the identification of courses which are approved technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements  (6 hrs)
   ▪ EEL 4914  Senior Design I  3 hrs
   ▪ EEL 4915L  Senior Design II  3 hrs

7. Foreign Language Requirements
   Admissions
   ▪ Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
   Graduation
   ▪ None
   8. Electives
   ▪ None
   9. Additional Requirements
   ▪ 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 Undergraduate Hours Required
   ▪ 128
Total Combined Hours Required
   ▪ 146
Honors in Major
   ▪ None

Related Programs
   ▪ Computer Engineering
   ▪ Computer Science
   ▪ Mathematics - Engineering/Physics Track
   ▪ Physics

Certificates
   ▪ None

Related Minors
   ▪ Engineering Leadership
   ▪ Intelligent Robotic Systems (IRS) - Interdisciplinary
   ▪ Mathematics
   ▪ Physics

Advising Notes
   ▪ The following will be waived for this joint degree program:
   ▪ The limit of nine hours to be shared between undergraduate and graduate programs.
   ▪ Undergraduate students taking graduate courses must be within nine hours of graduation
   ▪ Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester
   ▪ Undergraduate students are not eligible to take 6000-level courses

Transfer Notes
   ▪ None
Acceptable Substitutes for Transfer Courses
   ▪ None

Shared Courses
   ▪ Up to 12 credit hours of approved 5000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either technical elective or course requirements for the major. Contact the EE/CpE Graduate Coordinator in the School of Electrical Engineering & Computer Science for acceptable courses.

Graduate Courses Link
   ▪ None

Program Academic Learning Compacts
   ▪ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oias.ucf.edu/aic/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: 407-823-2225

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
Accelerated Undergraduate-Graduate Programs

1. Program Overview
   - Students enroll in nine hours of graduate-level courses in both spring and fall semesters during their M.A. year.
   - Students complete the Capstone course, pass their preliminary exams, and fulfill their foreign language requirement by the end of their first M.A. year.
   - Students complete and defend a master's thesis in six hours.

2. Required Minors
   - None

3. 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 history hours at UCF.
   - Computer competency met by completion of the major.

4. 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)

5. Total Undergraduate Hours Required
   - 120

6. Total Combined Hours Required
   - 147

7. Honors In Major
   - None

8. Related Programs
   - Humanities

9. Certificates
   - None

10. Related Minors
    - African American Studies
    - American Studies
    - Asian Studies
    - Humanities
    - Judaic Studies
    - Latin American Area Studies
    - Middle Eastern Studies
    - Women's Studies

11. Advising Notes
    - None

12. 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.

13. Acceptable Substitutes for Transfer Courses
    - None

14. Shared Courses
    - None

15. Graduate Courses Link
    - None

16. 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
# Accelerated Undergraduate-Graduate Programs

## Industrial Engineering - Accelerated

### Undergraduate-Graduate Program (B.S.)

**College of Engineering and Computer Science**

**Department of Industrial Engineering and Management Systems, Engineering II, Room: 312**


Dr. William Thompson, william.thompson@ucf.edu, 407-823-2636

Phone: 407-823-2204

### Admission Requirements

- See Common Program Prerequisites
- Qualified students may apply after completion of a minimum of 60 credit hours
- Completion of the GRE with a highly competitive score by the end 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.
   - See “Common Prerequisites” in theCatalog for GEP requirements.

### Core Requirements: Basic Level (60 hrs)

#### Industrial Engineering Core: Basic (2 hrs)

- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing the core courses required for the major, together with the 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

2. **Core Requirements: Advanced Level (58 hrs)**

#### Courses Required for the Major (58 hrs)

- Graduate courses used to complete the Accelerated BS to MS will vary depending on the MS track the student chooses. Courses will be chosen in consultation with the graduate advisor. The courses listed in this example are relevant to the Engineering Management MS.

   - A “C” (2.0) or better is required in all courses listed in this section with a prefix of EIN, ESI or STA. A “B” (3.0) or better is required for 5000/6000 level courses to be transferred for graduate credit.

   1. **COP 2323** Introduction to Programming with C 3 hrs
   2. **EGN 3310** Engineering Analysis-Statics 3 hrs
   3. **EGN 3321** Engineering Analysis-Dynamics 3 hrs
   4. **EGN 3373** Principles of Electrical Engineering 3 hrs
   5. **EGN 3613** Engineering Economic Analysis 2 hrs
   6. **EIN 3001** Introduction to Industrial Engineering and Management Systems 3 hrs
   7. **EIN 3034** Systems Engineering 3 hrs
   8. **EIN 4333** Production and Distribution Systems 3 hrs
   9. **EIN 4364** Facilities Planning 3 hrs
   10. **EIN 4517** Systems Design 3 hrs
   11. **EIN 4821** Empirical Methods for Industrial Engineering 3 hrs
   12. **ESI 4234** Quality Engineering 3 hrs
   13. **ESI 4306** Operations Research 3 hrs
   14. **ESI 4533** Discrete Systems Simulation 3 hrs
   15. **ESI 4623C** Industrial Engineering Applications of Computers 3 hrs

### Restricted Electives (4 hrs)

- Three (3) hours of 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.

### Graduate Courses Used to Complete the Accelerated BS to MS

- Courses with significant programming content in C, C++ or Java may be used to satisfy this requirement but must be approved by the IEMS undergraduate coordinator.

### Transfer Notes

- 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

### Total Combined Hours Required

- 128

### 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

- 146

### Honors In Major

- None

### Related Programs

- None

### Certificates

- None

### Related Minors

- None

### Advising Notes

- The following will be waived for this joint degree program:
  - The limit of nine hours to be shared between undergraduate and graduate programs.
  - Undergraduate students taking graduate courses must be within nine hours of graduation
  - Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester
  - Undergraduate students are not eligible to take 6000-level courses

### Transfer Notes

- None

### Acceptable Substitutes for Transfer Courses

- None
### Mechanical Engineering - Accelerated Undergraduate-Graduate Program (B.S.)

**Department of Mechanical, Materials, and Aerospace Engineering, Engineering, Room: 307**

[http://www.mmae.ucf.edu](http://www.mmae.ucf.edu)

Dr. Alain Kassab, alain.kassab@ucf.edu, 407-823-5778  
Dr. Kuo-Chi (Kurt) Lin, kuo-chi.lin@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

2. **Common Program Prerequisites (CPP)**  
   (18 hrs)
   
   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

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**  
   (63 hrs)
   - EGN 3310 Engineering Analysis-Statics 3 hrs
   - EGN 3321 Engineering Analysis-Dynamics 3 hrs
   - EGN 3343 Thermodynamics 3 hrs
   - EGN 3385 Structure and Properties of Materials 3 hrs
   - EGN 3373 Principles of Electrical Engineering 3 hrs
   - STA 3023 Probability and Statistics for Engineers 3 hrs
   - EML 3034C Modeling Methods in Mechanical and Aerospace Engineering 3 hrs
   - EML 3303C Mechanical Engineering Measurements 3 hrs
   - EML 4312C Feedback Control 3 hrs
   - EML 3500 Machine Design and Analysis 3 hrs
   - EGM 3601 Solid Mechanics 3 hrs
   - EML 3701 Fluid Mechanics I 3 hrs
   - EML 4142 Heat Transfer 3 hrs
   - EML 4220 Vibration Analysis 3 hrs
   - EML 4535C CAD/CAE 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 Fluids 3 hrs
  - EML 4304C Design of Thermo-Fluid Experiment and Design 2 hrs
  - EML 4703 Fluid Mechanics II and Heat Transfer and Design 3 hrs
  - EML 4145 Topics in Heat Transfer and Design 2 hrs
  - EML 4221C Mechanical Systems Experimental Techniques and Design 2 hrs
  - Approved Electives (5000 level course) 9 hrs

- **Mechanical Systems Option**  
  21 hrs
  - EML 4304C Design of Thermo-Fluid Experiment and Design 2 hrs
  - EML 3282 Kinematics of Mechanics and Machine Design 3 hrs
  - EGM 3601 Solid Mechanics Lab and Design 3 hrs
  - EML 4221C Mechanical Systems Experimental Techniques and Design 2 hrs
  - Approved Electives (5000 level course) 12 hrs

- **Materials Option**  
  21 hrs
  - EMA 3012C Experimental Techniques in Mechanics and Materials 3 hrs
  - EMA 4102 Thermodynamics and Kinetics of Materials and Thermodynamics of Materials 3 hrs
  - EMA 3124 Design and Selection of Materials and Design of Materials 3 hrs
  - EMA 4223 Fundamentals of Mechanical Behavior of Materials and Design of Materials 3 hrs
  - Approved Electives (5000 level course) 9 hrs

5. **Restricted Electives**  
   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

11. **Departmental Exit Requirements**  
    (6 hrs)
    - CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

    Select 1:  
    - EML 4501C Engineering Design I or 3 hrs
    - EGN 4412C Interdisciplinary Design I 3 hrs

    Select 2:  
    - EML 4502C Engineering 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
Accelerated Undergraduate-Graduate Programs

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.

Program Academic Learning Compacts
- Graduate Courses Link
  - http://www.graduatecatalog.ucf.edu/content/Courses.aspx

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Nursing - Accelerated Second Degree B.S.N. Option (B.S.N.)

College of Nursing
UTWR, Room: 3rd floor
http://www.nursing.ucf.edu
E-mail: ucfnurse@mail.ucf.edu

Dr. Jean Leuner, Dean
Dr. Linda Hennig, Assoc. Dean Undergraduate
Patricia Leli, 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 complete the “Readmission Application” form.
- Students must receive a baccalaureate or higher degree from a regionally accredited college or university prior to the start of the program.
- All applicants must have a minimum overall GPA of 3.0
- Applicants are encouraged to attend an information session, prior to submitting the application.
- Criminal background checks 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 eight (8) common program prerequisites must be completed by the program application deadline. This includes 3 courses from Group A and the remainder from Groups A or B.

Group A
- grade of C (2.0) or better
- Microbiology with Lab 4 hrs
- Anatomy with Lab 4 hrs
- Physiology with Lab (or A&P I, II) 4 hrs
- 1 CHM 1032 General Chemistry 3 hrs
- 1 or other approved Life/Physical Science

Group B
- grade of C (2.0) or better
- Sociology or 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)
   - A: Communication Foundations
   - B: Cultural & Historical Foundations
   - C: Mathematical Foundations
   - D: Social Foundations
   - E: Science Foundations

2. Common Program Prerequisites (CPP) (27 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information. Any variation from the stated prerequisites must be approved in writing by the College of Nursing. Petition forms are available in the College of Nursing office.
   - 1 MCB Microbiology for Health Professionals 4 hrs
   - 2 CHM 1032 General Chemistry 3 hrs
   - 1 ZOO Human Anatomy 4 hrs
   - 3733C

3. Core Courses (27 hrs)
   - Human Physiology 4 hrs
   - Anatomy with Lab 4 hrs
   - Microbiology with Lab 4 hrs
   - Physiology with Lab (or A&P I, II) 4 hrs
   - 1 CHM 1032 General Chemistry 3 hrs
   - 1 or other approved Life/Physical Science

4. For admission to the College of Nursing, students must achieve a minimum overall GPA of 3.0 and a minimum 2.5 GPA in the nursing major.

5. Students must pass all courses in the nursing major with a grade of C (2.0) or better.

6. Students must successfully complete all coursework prior to the start of the program.

7. Students must complete all coursework within the prescribed timeframe.

8. Students must maintain a minimum overall GPA of 2.5 and a minimum 2.5 GPA in the nursing major.

9. Students must successfully complete all coursework with a grade of C (2.0) or better.

10. Students must meet all of the admission requirements prior to the start of the program.

11. Students must pass all courses in the nursing major with a grade of C (2.0) or better.

12. Students must successfully complete all coursework prior to the start of the program.

13. Students must maintain a minimum overall GPA of 2.5 and a minimum 2.5 GPA in the nursing major.

14. Students must successfully complete all coursework with a grade of C (2.0) or better.

15. Students must meet all of the admission requirements prior to the start of the program.

16. Students must pass all courses in the nursing major with a grade of C (2.0) or better.

17. Students must successfully complete all coursework prior to the start of the program.

18. Students must maintain a minimum overall GPA of 2.5 and a minimum 2.5 GPA in the nursing major.

19. Students must successfully complete all coursework with a grade of C (2.0) or better.

20. Students must meet all of the admission requirements prior to the start of the program.

21. Students must pass all courses in the nursing major with a grade of C (2.0) or better.

22. Students must successfully complete all coursework prior to the start of the program.

23. Students must maintain a minimum overall GPA of 2.5 and a minimum 2.5 GPA in the nursing major.

24. Students must successfully complete all coursework with a grade of C (2.0) or better.

25. Students must meet all of the admission requirements prior to the start of the program.

26. Students must pass all courses in the nursing major with a grade of C (2.0) or better.

27. Students must successfully complete all coursework prior to the start of the program.

28. Students must maintain a minimum overall GPA of 2.5 and a minimum 2.5 GPA in the nursing major.

29. Students must successfully complete all coursework with a grade of C (2.0) or better.

30. Students must meet all of the admission requirements prior to the start of the program.
1. PCB 3703C  Human Physiology  4 hrs
   HUN 3011  Human Nutrition  3 hrs

Select 1:
   STA 2014C  Principles of Statistics  3 hrs
   STA 2023  Statistical Methods I  3 hrs

Select 1:
   SOW 3104  Assessing I: Human Development  3 hrs
   DEP 2004C  Developmental Psychology  3 hrs

Select 1:
   PSY 2012  General Psychology  3 hrs
   SYG 2000  Introduction to Sociology  3 hrs

1. science prerequisite
2. or other approved physical or life science prerequisite

4. Core Requirements: Advanced Level (57 hrs)
   - Any variation from the following must be approved by the College of Nursing.
     NUR 3085  Health Assessment  2 hrs
     NUR 3085L  Health Assessment Lab  1 hr
   - The Role of the Professional Nurse  2 hrs
     NUR 3028  Essentials of Nursing Practice  2 hrs
     NUR 3028L  Essentials of Nursing Practice Lab  1 hr
   - NUR 3755L  Essentials of Nursing Practice Clinical  2 hrs
     NUR 3634  Community Health Nursing  3 hrs
     NUR 3634L  Community Health Nursing Clinical  2 hrs
     NUR 3125  Pathophysiology for Nursing Practice  3 hrs
     NUR 3145  Pharmacology for Nursing Practice  3 hrs
     NUR 3225  Nursing Care of the Adult I  3 hrs
     NUR 3225L  Nursing Care of the Adult I: Clinical Practice  2 hrs
     NUR 3445  Nursing Care of Families  3 hrs
     NUR 3445L  Nursing Care of Families Clinical  2 hrs
     NUR 3167  Accelerated Nursing Research Seminar  1 hr
     NUR 4227  Nursing Care of the Adult II  4 hrs
     NUR 4227L  Nursing Care of the Adult II: Clinical Practice  3 hrs
     NUR 4829  Accelerated Transitioning into Professional Practice as a Leader  3 hrs
     NUR 4257  Introduction to Critical Care Nursing  3 hrs
     NUR 4945L  Nursing Practicum  4 hrs
     NUR 4535  Psychiatric Mental Health Nursing  3 hrs
     NUR 4535L  Psychiatric Mental Health Clinical  2 hrs
     NUR 4637  Public Health Nursing  2 hrs
     NUR 4637L  Public Health Nursing Clinical  1 hr

1. Students without a research course on transcript must take NUR 3165 3 hrs

5. Restricted Electives (3 hrs)
   - Nursing Elective  3 hrs
     Students may petition the undergraduate Admission, Progression and Graduation (APG) committee to substitute elective requirement

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   Admissions
   - None

   Graduation
   - None

8. Electives
   - None

9. Additional Requirements
   - Mandatory Drug Screening is required prior to any clinical course and “on demand” for continuation in the program.
     - Complete all courses in major with at least a “C” (2.0)
     - Maintain a UCF GPA of 2.5 or above
     - Maintain a College of Nursing GPA of 2.5 or above

10. Required Minors
    - None

11. Departmental Exit Requirements
    - Completion of all courses in major with a grade of “C” (2.0) or better
    - UCF GPA of 2.5 or above
    - College of Nursing GPA of 2.5 or above
Nursing - R.N. to M.S.N. Option (B.S.N.)
College of Nursing
UTWR, Room: 3rd floor
http://www.nursing.ucf.edu/
E-mail: ucfnurse@mail.ucf.edu
Stephen Heglund, RN to MSN Coordinator
Dr. Jean Leuner, Dean
Dr. Linda Henrig, 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. All courses are available online. Available for the following tracks in the graduate program: Nursing Leadership and Management, Clinical Nurse Leader, and Nurse Educator. Nine (9) graduate credit hours may be applied to meet 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 nursing program
  - Minimum cumulative GPA of 3.0. (all prior college coursework)
  - Admitted to UCF undergraduate program
  - Two professional references addressing qualifications and ability to succeed in graduate school
  - Resume
  - Letter of Intent/Goal statement

Interim Requirements:
- Maintain a Nursing GPA of 3.0

Admission Requirements for Graduate Program Phase:
- These requirements should be met one month before the BSN is awarded.
- Application to and acceptance by UCF Graduate Studies (see Graduate Studies website 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 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Prefer MAC 1105C College Algebra 3 hrs

C: Mathematical Foundations (6 hrs)
- Required STA 2014C Principles of Statistics 3 hrs

D: Social Foundations (6 hrs)
- Select 1:
  1. Prefer SYG 2000 Introduction to Sociology or 3 hrs
  1. Prefer PSY 2012 General Psychology 3 hrs

Select 1:
- Prefer ECO 2013 Principles of Macroeconomics or 3 hrs
- Prefer ECO 2023 Principles of Microeconomics or 3 hrs
- Prefer POS 2041 American National Government 3 hrs

1 One of these courses is required to meet General Education requirements.

E: Science Foundations (6 hrs)
- Suggested BSC 2010C Biology I 4 hrs
- Required CHM 1032 General Chemistry 3 hrs

1 or other physical or life science. Science Foundation is 6 credit hours for General Education Program. The BSC course is needed as a course prerequisite for Anatomy and Physiology and Health Microbiology. Chemistry is needed as a course prerequisite for Nutrition (HUN 3011)

2. Common Program Prerequisites (CPP) (18 hrs)

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- MCB 2004C Microbiology for Health Professionals 4 hrs
- CHM 1032 General Chemistry 4 hrs
- 3733C Human Anatomy
- 2 ZOO Human Physiology 4 hrs
- HUN 3011 Human Nutrition 3 hrs

Select 1:
3. STA 2014C Principles of Statistics or 3 hrs
2. STA 2023 Statistical Methods I 3 hrs

Select 1:
- Prefer PSY 2012 General Psychology or 3 hrs
- Prefer SYG 2000 Introduction to Sociology GEP

2. Or other physical or life science. Also meets General Education Requirements; applicants should see a UCF Nursing Advisor for possible course substitutions.
3. May take Anatomy and Physiology sequence of six-eight total credits.
4. Also meets General Education Requirements; applicants should see a UCF Nursing Advisor for possible course substitutions.

3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level (30 hrs)
- NUR 3805 Dimensions of Professional Nursing Practice 3 hrs
- NUR 3165 Nursing Research 3 hrs
- NUR 3634 Community Health Nursing 3 hrs
- NUR 4837 Health Care Issues, Policy, and Economics 3 hrs
- NUR 4604L Practicum in Community and Public Health 4 hrs
- NUR 4637 Public Health Nursing 2 hrs

NURSE EDUCATOR / CLINICAL NURSE LEADER 12 hrs

TRACKS
- Take 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 1 hr
- NGR 5638 Health Promotion and 3 hrs
- NGR 5141 Pathophysiological Bases for Advanced Nursing Practice and 3 hrs
- NUR 4828 Nursing Leadership, Management and Role 3 hrs
- Transition
NURSING LEADERSHIP & MANAGEMENT TRACK 12 hrs
- Takes the following 12 credits (nine graduate credits also applied to MSN)
  - NGR 5720 Organizational Dynamics and
  - NGR 5800 Theory for Advanced Practice Nursing and
  - NUR 3065 Health Assessment and
  - NUR 3065L Health Assessment Lab

5. Restricted Electives
   Upper Division Credit 27 hrs
   - May be met by validation
   - NUR 3028 Essentials of Nursing Practice
   - NUR 3225 Nursing Care of the Adult I
   - NUR 3225L Nursing Care of the Adult I: Clinical Practice
   - NUR 3445 Nursing Care of Families
   - NUR 3445L Nursing Care of Families Clinical
   - NUR 3755L Essentials of Nursing Practice Clinical
   - NUR 4227 Nursing Care of the Adult II
   - NUR 4227L Nursing Care of the Adult II: Clinical Practice
   - NUR 4535 Psychiatric Mental Health Nursing
   - NUR 4535L Psychiatric Mental Health Clinical

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
   - A criminal background check and mandatory Drug Screening are required prior to any clinical course and "on demand" for continuation in the program.

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 Undergraduate Hours Required
- 120

Honors In Major
- None

Related Programs
- Health Services Administration

Certificates
- Aging Studies

Related Minors
- Psychology
- Health Sciences
- Health Services Administration
- Health Information Management

Advising Notes
- Students are required to design an individual plan of study with an advisor. Any changes to that plan must be made in consultation with the advisor. Failure to do so may result in a delay of program progression and/or graduation.
The University offers five specialized degree programs for students who have graduated from a Florida public community college with an A.S. in the following programs: Applied Science, Criminal Justice Technology, Business Administration, Hospitality Management, and Nursing.

Students who wish to transfer to UCF under the provisions of the statewide articulated A.S. to B.S. programs must meet specific criteria:

1. Students must graduate with the specific program and new A.S. in Fall 2000 or later, (Fall 2003 or later for Criminal Justice) from a Florida public community college or state college.

2. Students who have graduated with an A.S. prior to Fall 2000 are not eligible to participate in these programs. The pre-2000 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."

5. Students earning an Associate in Science have the option of completing the state approved general education program at a Florida community college or state college and must request an official transcript with "general education requirements met" on the transcript to be sent to the UCF Registrar prior to their graduating term from the University of Central Florida. Students who chose to complete their general education program at UCF must meet all of UCF's current course requirements. Students may not be transient in their last 30 of 39 hours at UCF.

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) (None)

3. Core Requirements: Basic Level (10 hrs)
   - Students who change degree programs and select this major must meet the requirements of the most current catalog for the selected major, including the required UCF General Education Program.
   - Questions concerning the requirements of these majors should be referred to the appropriate academic department, Regional Campuses Director of Advising (407) 823-1509, or the Director of Transfer and Transition Services, (407) 823-2231.

4. Core Requirements: Advanced Level
   - None

5. Restricted Electives
   - Area of Concentration (Choose one)
   - All tracks are not available at all locations.

Supervision and Administration Track (19 hrs)
- Take all of the following:
  - IND 3904C Industrial/Organizational Psychology and
  - MAR 3023 Marketing
  - MAN 3302 Essentials of Human Resource
  - MAN 3354 Management for Non-Business Majors and
  - ACG 3082 Accounting for Non-Business Majors and

Restricted Elective (Consult with Program Advisor) (3 hrs)

Applied Science (BAS) 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/

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 Community College or State University and request an official transcript with "general education requirements met" on the transcript to be sent to the UCF Registrar prior to the student's graduating term from the University of Central Florida. Students who choose to complete their general education program at UCF must meet all of UCF's current course requirements. Students may not be transient in their last 30 of 39 hours at UCF 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 community college.)
<table>
<thead>
<tr>
<th>Track</th>
<th>Hours</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Industrial Operations Track</td>
<td>21</td>
<td></td>
</tr>
<tr>
<td>Students are strongly urged to complete STA 2023 within the general education program.</td>
<td></td>
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<tr>
<td><strong>Take all of the following:</strong> 21 hrs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ETI 3116 Applied Engineering Quality Assurance and and</td>
<td>3 hrs</td>
<td></td>
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<tr>
<td>ETI 3671 Technical Economic Analysis and and</td>
<td>3 hrs</td>
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<tr>
<td>ETI 4186 Applied Reliability and</td>
<td>3 hrs</td>
<td></td>
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<tr>
<td>ETI 4635 Technical Administration and</td>
<td>3 hrs</td>
<td></td>
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<tr>
<td>ETI 4640 Operations Management for Technologists and and</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>ETI 4448 Applied Project Management and</td>
<td>3 hrs</td>
<td></td>
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<tr>
<td>CET 3010 Introduction to Information Technology</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td><strong>Criminal Justice Track</strong></td>
<td>18</td>
<td></td>
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<tr>
<td>CCJ 3024 Criminal Justice System</td>
<td>3 hrs</td>
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<tr>
<td>CCJ 3014 Crime in America</td>
<td>3 hrs</td>
<td></td>
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<tr>
<td><strong>Select 2:</strong></td>
<td>6 hrs</td>
<td></td>
</tr>
<tr>
<td>CJL 3610 Prosecution and Adjudication or</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>CJC 3010 Corrections and Penology or</td>
<td>3 hrs</td>
<td></td>
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<tr>
<td>CJE 4014 Police and Society</td>
<td>3 hrs</td>
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<tr>
<td>Six additional hours of CCJ, CJC, CJJE, CJL, or CJT courses, selected with the aid of an academic advisor</td>
<td>6 hrs</td>
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</tr>
<tr>
<td><strong>Legal Studies Track</strong></td>
<td>18</td>
<td></td>
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<tr>
<td><strong>Take all of the following:</strong> 6 hrs</td>
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<tr>
<td>PLA 3014 Law and the Legal System and</td>
<td>3 hrs</td>
<td></td>
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<tr>
<td>PLA 3108 Legal Research</td>
<td>3 hrs</td>
<td></td>
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<tr>
<td><strong>Select 4:</strong></td>
<td>12 hrs</td>
<td></td>
</tr>
<tr>
<td>PLA 3155 Legal Writing or</td>
<td>3 hrs</td>
<td></td>
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<tr>
<td>PLA 3205 Civil Practice and Procedure or</td>
<td>3 hrs</td>
<td></td>
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<tr>
<td>PLA 3277 The Law of Torts or</td>
<td>3 hrs</td>
<td></td>
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<tr>
<td>PLA 3309 Criminal Procedure or</td>
<td>3 hrs</td>
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<tr>
<td>PLA 4424 The Law of Contracts or</td>
<td>3 hrs</td>
<td></td>
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<tr>
<td>PLA 4703 Professional Ethics and Liability</td>
<td>3 hrs</td>
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<tr>
<td><strong>Health Services Administration</strong></td>
<td>18</td>
<td></td>
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<tr>
<td><strong>Take all of the following:</strong> 15 hrs</td>
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<tr>
<td>1 HSA 3111 U.S. Health Care Systems and</td>
<td>3 hrs</td>
<td></td>
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<tr>
<td>HSC 4201 Community Health and</td>
<td>3 hrs</td>
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<tr>
<td>HSA 4180 Organization &amp; Management for Health Agencies I and and</td>
<td>3 hrs</td>
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<tr>
<td>2 HSA 4191 Health Care Automation and</td>
<td>3 hrs</td>
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<tr>
<td>3 HSC 4500 Epidemiology</td>
<td>3 hrs</td>
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<tr>
<td><strong>Select 1:</strong></td>
<td>3 hrs</td>
<td></td>
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<tr>
<td>HSC 4652 Health Law and Ethics or</td>
<td>3 hrs</td>
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<tr>
<td>HSA 4109 Principles of Managed Care or</td>
<td>3 hrs</td>
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<tr>
<td>HSA 4502 Risk Management Systems or</td>
<td>3 hrs</td>
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<tr>
<td>HSA 4702 Health Sciences Research Methods or</td>
<td>3 hrs</td>
<td></td>
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<tr>
<td>HIM 4505C Quality Management</td>
<td>3 hrs</td>
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</tr>
<tr>
<td>1 HSA 3111 is a prerequisite for all of the following classes</td>
<td></td>
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<tr>
<td>2 PR: CGS 2100C</td>
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<tr>
<td>3 PR: STA 2014C or STA 2023</td>
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<tr>
<td><strong>Information Technology Track</strong></td>
<td>21</td>
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<tr>
<td>Requirements for the track: An A.S. degree in computer technology, computer related field or at a minimum an A.S. degree and at least 3 different computer technology courses from computer applications, computer networking, computer programming, internet technologies or equivalent experience or education. The track has a computer programming course prerequisite or equivalent experience or C.I. Acceptable courses include C, C++, C#, Visual Basic, Java, or equivalent, or C.I.</td>
<td></td>
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<tr>
<td><strong>Take all of the following:</strong> 21 hrs</td>
<td></td>
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<tr>
<td>1 CET 3383 Applied Systems Analysis I and and</td>
<td>3 hrs</td>
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</tr>
<tr>
<td>1 CET 4427 Applied Database I and</td>
<td>3 hrs</td>
<td></td>
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<tr>
<td>ETI 4448 Applied Project Management and</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>CET 4748 Wide Area Networks I and</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>CET 4749 Wide Area Networks II and</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>2 CET 4683 Computer and Network Security and</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>1 CET 4483 Intro to Local Area Network Technology</td>
<td>3 hrs</td>
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<tr>
<td>1 PR: Object oriented programming course with COP prefix or equivalent or C.I.</td>
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<tr>
<td>2 PR: CET 4483, and MAC 1105</td>
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</tbody>
</table>

**Early Childhood Education Track** 21 hrs

**Take all of the following:** 21 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEC 3700 Social and Emotional Development of Young Children and</td>
<td>3 hrs</td>
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</tr>
<tr>
<td>RED 3310 Early Reading, Writing and Language Arts</td>
<td>3 hrs</td>
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</tr>
<tr>
<td>EEC 4268 Curriculum Activities in Early Childhood and</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>1 EEC 4604 Classroom Management and Guidance of Young Children and</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>EEX 4751 Parent Involvement in Education and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools and</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>EEX 3450 Young Children With Special Needs</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>1 PR: EEC 3700</td>
<td></td>
<td></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**

- 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 Semester Hours Required**

- 120

**Honors In Major**

- None

**Related Programs**

- None

**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 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.
Statewide Articulated A.S. To B.S. Programs

- 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/alc/academic_learning_compacts.htm

Criminal Justice - A.S. to B.S. Track (B.S.M.S.)
College of Health and Public Affairs
Department of Criminal Justice and Legal Studies,
Health and Public Affairs, Room: 311
http://www.coehp.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 community college)

Admission Requirements
- Completion of a Statewide Articulated A.S. in Criminal Justice from a Florida public community college which is composed of 64 hours of course work, including at least 16 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)
   - Completed as part of the approved A.S. program
   - See “Common Prerequisites” in the Transfer and Transition Services section.

3. Core Requirements: Basic Level
   - None

4. Core Requirements: Advanced Level (18 hrs)
   - CCJ 3024 Criminal Justice System 3 hrs
   - CCJ 3014 Crime in America 3 hrs
   - CJL 3510 Prosecution and Adjudication 3 hrs
   - CJC 3010 Corrections and Penology 3 hrs
   - CJE 4014 Police and Society 3 hrs
   - CCU 4701 Research Methods in Criminal Justice 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
   - Electives
     - None

8. Additional Requirements
   - None

9. Required Minors
   - None

10. Departmental Exit Requirements
    - None

11. 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

Honors In Major
- None

Related Programs
- Legal Studies

Certificates
- None

Related Minors
- Legal Studies
- Public Administration
- Psychology

Advising Notes
- None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

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 community college.
Admission Requirements
- Completion of a Statewide Articulated A.S. in Business Administration from a Florida public 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 this 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.
- 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:

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 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 3 hrs
- STA 2023 Statistical Methods I 3 hrs

3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level (32 hrs)
- First of subsequent semester in the College of Business 32 hrs

5. Restricted Electives (15 hrs)
- Students must take at least 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

Marketing
- MAR 3403 Sales Force Management or 3 hrs
- MAR 3813 Marketing Analysis and Research or 3 hrs
- MAR 4156 International Marketing or 3 hrs
- MAR 4841 Services Marketing 3 hrs

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 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 is 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
- GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
- MAN 3025 Management of Organizations 4 hrs
- MAR 3023 Marketing 4 hrs

1 Required in 1st or 2nd semester.
2 Must be taken with GEB 3031

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
- Must be outside of the College of Business (variable)

9. Additional Requirements
- None

10. Required Minors
- None

11. General Education 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 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
- 132
Statewide Articulated A.S. To B.S. Programs

### 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 the appropriate course.
- 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.oecs.ucf.edu/alc/academic_learning_compacts.htm](http://www.oecs.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees
- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

### Hospitality Management - A.S. to B.S. Track (B.S.)

#### Rosen College of Hospitality Management

**Department of Hospitality Services,**

9907 Universal Boulevard, Orlando, FL 32819

**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 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 16 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

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<table>
<thead>
<tr>
<th>Requirement</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. UCF General Education Program (GEP) (18 hrs)</td>
<td>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:</td>
</tr>
<tr>
<td></td>
<td>A: Communication Foundations</td>
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<td>B: Cultural &amp; Historical Foundations</td>
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<td>C: Mathematical Foundations</td>
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<td>D: Social Foundations</td>
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<td>E: Science Foundations</td>
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<tr>
<td>2. Common Program Prerequisites (CPP) (3 hrs)</td>
<td>See “Common Prerequisites” in the Transfer and Transitions Services section for more information.</td>
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<tr>
<td></td>
<td>HFT 1000 Introduction to the Hospitality and Tourism Industry</td>
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<tr>
<td>3. Core Requirements: Basic Level (3 hrs)</td>
<td>MAC 1105C College Algebra</td>
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<tr>
<td></td>
<td>Select 1:</td>
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<tr>
<td></td>
<td>CGS 2100C Computer Fundamentals for Business or GEP</td>
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<td></td>
<td>STA 2023 Statistical Methods I</td>
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<td></td>
<td>Select 1:</td>
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<tr>
<td></td>
<td>ECO 2013 Principles of Macroeconomics or GEP</td>
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<tr>
<td></td>
<td>ECO 2023 Principles of Microeconomics</td>
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<tr>
<td>4. Core Requirements: Advanced Level (27 hrs)</td>
<td>HFT 3431 Hospitality industry Managerial Accounting</td>
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<td>HFT 3540 Guest Services Management I</td>
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<td>HFT 4286 Hospitality Communications</td>
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<td>HFT 4265 Leadership and Strategic Management in Hospitality Industry</td>
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<td>HFT 4464 Hospitality Industry Finance</td>
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<td>HFT 4941 Internship</td>
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<td>HFT 4944 Practicum</td>
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<td>Select 3:</td>
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<tr>
<td></td>
<td>HFT 3700 Tourism Management or</td>
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<td>HFT 3263 Restaurant Management or</td>
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<td></td>
<td>HFT 3273 Principles of Resort Time-sharing or</td>
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<td></td>
<td>HFT 4755 Theme Park and Attraction Management or</td>
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<td>HFT 4277 Yacht, Country, And City Club Management</td>
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<td>Guest Lecture</td>
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<td>1 HFT 3933 Distinguished Lectures in Hospitality Management</td>
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<td>1 hr</td>
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<tr>
<td>5. Restricted Electives (15 hrs)</td>
<td>Students should select one of the following options to fulfill their hospitality management restricted elective requirement.</td>
</tr>
<tr>
<td></td>
<td>Restricted Electives</td>
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<tr>
<td></td>
<td>FSS 3008 Culture and Cuisine</td>
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<td>FSS 4135 Corporate Contract and Managed Services Organizations</td>
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<td></td>
<td>FSS 4266C Catering and Banquet Organization</td>
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<td></td>
<td>HFT 3353 Golf Planning &amp; Operations I</td>
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<td></td>
<td>HFT 3354 Agronomy for Golf Course Management</td>
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<td>HFT 3355 Golf Planning &amp; Operations II</td>
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<td>HFT 3357 Golf &amp; Club Event Operations</td>
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<td>HFT 3384 Golf and Club Enterprises Management</td>
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<td>HFT 3654 Franchising in the Restaurant Industry</td>
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<td>HFT 3741 Meeting Management</td>
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<td>HFT 3798 Fairs and Festivals</td>
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<td>HFT 3868 History and Culture of Wine</td>
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<td>HFT 4253 Hotel Operations</td>
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<td>HFT 4266 Restaurant Brand Management</td>
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<td>HFT 4268 Case Studies in Restaurant Management</td>
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<td>HFT 4274 Resort Management</td>
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<td>HFT 4281 Restaurant Leadership Strategies and Tactics</td>
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<td>HFT 4343 Hospitality Facilities Planning and Design</td>
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<td>HFT 4358 Golf &amp; Club Facility Design</td>
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<td>HFT 4432 Hospitality Industry Auditing</td>
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<td>HFT 4473 Hotel Development Analysis</td>
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</tbody>
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HFT 4522  Resort Sales Tactics and Strategies  3 hrs
HFT 4532  Managing the Employee Experience in the Theme Park and Attraction Industry  3 hrs
HFT 4561  Destination Marketing  3 hrs
HFT 4614  Risk Management in Theme Parks and Attractions  3 hrs
HFT 4735  Tourism Geography  3 hrs
HFT 4736  Destination Management  3 hrs
HFT 4754  Exhibit and Trade Show Operations  3 hrs
HFT 4759  Product Development in Theme Parks and Attractions  3 hrs
HFT 4762  Current Practices in the Airline Industry  3 hrs
HFT 4786  Managing the Guest Experience in the Theme Park and Attraction Industry  3 hrs
HFT 4787  Operational Issues in the Theme Park and Attraction Industry  3 hrs
HFT 4795  Entertainment Arts and Events  3 hrs
HFT 4796  International Events  3 hrs
HFT 4864  Seminar in Quality Brewing and Fine Beer  3 hrs
HFT 4866C  Exploring Wines of the World  3 hrs
HFT 4894  International Gastronomy  3 hrs
HUN 3013  Nutrition Concepts and Issues in the Food Service Industry  3 hrs

Specialized Tracks  15 hrs
- 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
HFT 4532  Managing the Employee Experience in the Theme Park and Attraction Industry  3 hrs
HFT 4759  Product Development in Theme Parks and Attractions  3 hrs
HFT 4614  Risk Management in Theme Parks and Attractions  3 hrs
HFT 4786  Managing the Guest Experience in the Theme Park and Attraction Industry  3 hrs
HFT 4787  Operational Issues in the Theme Park and Attraction Industry  3 hrs
HFT 4795  Entertainment Arts and Events  3 hrs

Golf and Club Management Track  15 hrs
HFT 3353  Golf Planning & Operations I or Golf Planning & Operations II  3 hrs
HFT 3354  Agronomy for Golf Course Management  3 hrs
HFT 3355  Golf Planning & Operations II or Golf Planning & Operations I  3 hrs
HFT 3357  Golf & Club Event Operations or Golf & Club Facility Design  3 hrs
HFT 3384  Golf and Club Enterprises Management or Golf Planning & Operations II  3 hrs
HFT 3458  Golf & Club Facility Design  3 hrs

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 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
- 124

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- None

Transfer Notes
- Florida public community college students in the A.S. to B.S. track are required to complete an individual plan of study with the College prior to enrolling in their first semester at UCF.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Rosen College of Hospitality Management.
- A minimum of 30 semester hours must be completed at UCF within the Hospitality major.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Students should take advantage of both.

Acceptable Substitutes for Transfer Courses
- HFT 2401 Hospitality Industry Financial Accounting  3 hrs
- 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.eas.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
UTWR, Room: 3rd floor
http://www.nursing.ucf.edu
E-mail: ucfnurse@mail.ucf.edu
Dr. Jean Leuner, Dean
Dr. Linda Hennig, Associate Dean
Stephen Heglund, RN-BSN Coordinator
Phone: 407-823-2744

BSN completion program only for individuals who have a statewide articulated A.S. in Nursing from a Florida public community or state college, (12/2000 or later)

Admission Requirements
- Acceptance to the university does not constitute admission to the upper division nursing program. Separate application to the limited access program must be made directly to the College of Nursing. All applicants must have:
- A minimum overall undergraduate GPA of 2.5
- Completion of a Statewide Articulated AS in Nursing from a Florida public community or state 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

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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 should 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)

- Prefer MAC 1105C College Algebra 3 hrs
- Required STA 2014C Principles of Statistics 3 hrs

C: Mathematical Foundations (6 hrs)

- Required SYG 2000 Introduction to Sociology 3 hrs
- Required PSY 2012 General Psychology 3 hrs

D: Social Foundations (6 hrs)

- Required BSC 2010C Biology I 4 hrs
- Required CHM 1032 General Chemistry 3 hrs

2. Common Program Prerequisites (CPP) (18 hrs)

- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

1 CHM 1032 General Chemistry
1 HUN 2011 Human Nutrition
1 MCB 2004C Microbiology for Health Professionals
2 PCB 3703C Human Physiology
2 ZOO 3733C Human Anatomy

Select 1:

- 2 STA 2014C Principles of Statistics or STA 2023 Statistical Methods I
- Required SYG 2000 Introduction to Sociology

Select 2:

- 3 SOW 3104 Assessing I: Human Development
- 3 DEP 2004C Developmental Psychology

Select 1:

- Required PSY 2012 General Psychology or SYG 2000

Select 2:

- Required PSY 2012 General Psychology or SYG 2000

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 Also meets general education requirements; applicants should see a UCF Nursing advisor for possible course substitutions.

3. Core Requirements: Basic Level

- None

4. Core Requirements: Advanced Level (51 hrs)

- UCF Core 24 hrs

- NUR 3805 Dimensions of Professional Nursing Practice 3 hrs
- NUR 3065L Health Assessment Lab 1 hr
- NUR 3165 Nursing Research 3 hrs
- NUR 3634 Community Health Nursing 3 hrs

- NUR 3028 Health Care Issues, Policy, and Economics 4 hrs
- NUR 4604L Practicum in Community and Public Health Nursing for RNs 4 hrs
- NUR 4828 Nursing Leadership, Management and Role Transition 3 hrs
- NUR 4637 Public Health Nursing 2 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 3755L Essentials of Nursing Practice Clinical 2 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 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
NUR 3225 Nursing Care of the Adult I 3 hrs

5. Restricted Electives (6 hrs)

- NSP/NUR XXXX Any two upper division nursing 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 enrollment in NUR 3634.

Graduation

- None

8. Electives

- variable to meet degree requirements

9. Additional Requirements

- A criminal background check and mandatory Drug Screening are required prior to any clinical course and “on demand” for continuation in the program.

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
- Completion of all courses in major with at least a "C" (2.0) or better

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)
Statewide Articulated A.S. To B.S. Programs

Total Semester Hours Required
- 128

Honors In Major
- None

Related Programs
- Health Services Administration
- Social Work

Certificates
- Aging Studies

Related Minors
- Psychology
- Health Sciences
- Health Services Administration
- Health Information Management

Advising Notes
- Students are required to design an individual plan of study with an advisor. Any changes to that plan must be made in consultation with the advisor. Failure to do so may result in a delay of program progression and/or graduation.

Transfer Notes
- A maximum of 6 upper division credit hours of Nursing courses may be transferred from another institution.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oelas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $25 per term
- Full-Time Student: $50 per term
Classification of Courses
The University course numbering system is as follows:

0-0999. Subcollegiate level and not counted in meeting degree requirements.

1000-2999. Freshman and sophomore level courses and are designed primarily for these students.

3000-4999. Junior- and senior-level courses (Upper-division). These courses contain advanced undergraduate level material and are designed primarily for undergraduate juniors and senior.

5000-5999. Beginning graduate and advanced undergraduate level courses. These courses provide more advanced material than that found in undergraduate courses. They are designed primarily for beginning graduate students, but may be suitable for some advanced undergraduate seniors. They are open for registration to all graduate students and those seniors who receive approval of the appropriate Dean(s).

6000-6999. Advanced graduate level courses. These courses are designed to build upon the beginning graduate level courses and to deliver more advanced content and experiences. They are open only to graduate students. (Seniors, within nine hours of graduation that have a minimum 3.0 GPA and do not register for more than twelve hours may request college permission to take a 6000-level class.) Students in 3+2 programs (combined bachelor's and master's programs) should check with their advisor before registering for 6000-level courses.

7000-7999. Doctoral-level courses. These courses provide material at the most advanced graduate level. They are restricted to admitted doctoral students only.

Florida’s Statewide Course Numbering System
Courses in this catalog are identified by prefixes and numbers that were assigned by Florida’s Statewide Course Numbering System (SCNS). This numbering system is used by all public postsecondary institutions in Florida and 28 participating non-public institutions. The major purpose of this system is to facilitate the transfer of courses between participating institutions. Students and administrators can use the online Statewide Course Numbering System to obtain course descriptions and specific information about course transfer between participating Florida institutions. This information is at the SCNS website at http://scns.fldoe.org.

Each participating institution controls the title, credit, and content of its own courses and recommends the first digit of the course number to indicate the level at which students normally take the course. Course prefixes and the last three digits of the course numbers are assigned by members of faculty discipline committees appointed for that purpose by the Florida Department of Education in Tallahassee. Individuals nominated to serve on these committees are selected to maintain a representative balance as to type of institution and discipline field or specialization.

The course prefix and each digit in the course number have a meaning in the Statewide Course Numbering System (SCNS). The list of course prefixes and numbers, along with their generic titles, is referred to as the “SCNS taxonomy.” Descriptions of the content of courses are referred to as “statewide course profiles.”

General Rule for Course Equivalencies
Equivalent courses at different institutions are identified by the same prefix and last three digits of the course number and are guaranteed to be transferable between participating institutions that offer the course, with a few exceptions. (Exceptions are listed below.)

For example, a freshman composition skills course is offered by 56 different postsecondary institutions. Each institution uses “ENC_101” to identify its freshman composition skills course. The level code is the first digit and represents the year in which students normally take the course at a specific institution. In the SCNS taxonomy, “ENC” means “English Composition,” the century digit “1” represents “Freshman Composition,” the decade digit “0” represents “Freshman Composition Skills,” and the unit digit “1” represents “Freshman Composition Skills I.”

In the sciences and certain other areas, a “C” or “L” after the course number is known as a lab indicator. The “C” represents a combined lecture and laboratory course that meets in the same place at the same time. The “L” represents a laboratory course or the laboratory part of a course, 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 credits 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 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.

### Example of Course Identifier

<table>
<thead>
<tr>
<th>Prefix</th>
<th>Level Code</th>
<th>Century Digit</th>
<th>Decade Digit</th>
<th>Unit Digit</th>
<th>Lab Code</th>
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<tr>
<td>ENC</td>
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**English Composition**

**Lower (Freshman)**

**Level at this institution**

**Freshman Composition**

**Freshman Composition Skills**

**Freshman Composition Skills I**

No Laboratory component in this course
### 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 equivalences and may not transfer. Transferability is at the discretion of the receiving institution.

A. Courses not offered by the receiving institution.

B. For courses at non-regionally accredited institutions, courses offered prior to the established transfer date of the course in question.

C. Courses in the 900-999 series are not automatically transferable, and must be evaluated individually. These include such courses as Special Topics, Internships, Apprenticeships, Practica, Study Abroad, Thesis and Dissertations.

D. College preparatory and vocational preparatory courses.

E. Graduate courses.

F. Internships, apprenticeships, practica, clinical experiences and study abroad courses with numbers other than those ranging from 900-999.

G. Applied courses in the performing arts (Art, Dance, Interior Design, Music, and Theatre) and skills courses in Criminal Justice (academy certificate courses) are not guaranteed as transferable. The following courses need evidence of achievement (i.e., portfolio, audition, interview, etc.).

### 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 non-public 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 the Associate Dean, Undergraduate Studies, Millican Hall 210, University of Central Florida, 4000 Central Florida Parkway, Orlando, FL 32816, 407-823-2691 or the Florida Department of Education, Office of Articulation, 1401 Turlington Building, Tallahassee, Florida 32399-0400. Special reports and technical information may be requested by calling the Statewide Course Numbering System office at (850) 245-0427 or via the internet at http://scns.fldoe.org.

### Common Course Numbering System

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Course Number</th>
<th>Course Title</th>
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<tr>
<td>ABE</td>
<td>Agricultural and Biological Engineering</td>
<td>CCE</td>
<td>Civil Construction Engineering</td>
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<td>ABT</td>
<td>Arabic Culture in Translation or Translation Skills</td>
<td>CCJ</td>
<td>Criminology and Criminal Justice</td>
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<tr>
<td>ABW</td>
<td>Arabic Literature (Writings)</td>
<td>CDA</td>
<td>Computer Design/Architecture</td>
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<td>ACG</td>
<td>Accounting: General</td>
<td>CEG</td>
<td>Civil Geotechnical Engineering</td>
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<td>ACO</td>
<td>Accounting: Occupational/Technical Variable Paced</td>
<td>CEN</td>
<td>Computer Software Engineering</td>
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<td>ACR</td>
<td>HVACR: Heating/Ventilation/AC/Refrigeration:</td>
<td>CES</td>
<td>Civil Engineering Structures</td>
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<td>Adult Education</td>
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<td>Advertising</td>
<td>CGN</td>
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<td>Agricultural Economics and Business</td>
<td>CGS</td>
<td>Computer General Studies</td>
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<td>Agricultural Education and Communication</td>
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<td>Child Development</td>
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<td>Agriculture and Extension Education</td>
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<td>Automotive Mechanics</td>
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<td>CHS</td>
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<td>Aerospace Studies</td>
<td>CHT</td>
<td>Chinese Culture in Translation or Translation Skills</td>
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<td>APS</td>
<td>African Studies</td>
<td>CHW</td>
<td>Chinese Literature (Writings)</td>
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<tr>
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<td>CIS</td>
<td>Computer Science and Information Systems</td>
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<td>(Discontinued Effective 2005)</td>
<td>CJB</td>
<td>College Level Application in Criminal Justice</td>
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<td>Amharic Culture in Translation or Translation Skills</td>
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<td>Law &amp; Process</td>
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<td>CLP</td>
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<td>CMM</td>
<td>Creek/Muskogee/Mikasuki</td>
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**Other Code Descriptions**

- IDC: Interdisciplinary Design
- IDH: Interdisciplinary Honors
- IDN: Indonesian Language
- IDS: Interdisciplinary Studies
- IDT: Indonesian Culture in Translation
- 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
- JPS: Japanese Literature (Writings)
- JPW: Japanese Language (Writings)
- JST: Jewish/Judaic Studies
- KOR: Korean Language
- KOT: Korean Culture in Translation or Translation Skills
- KOW: Korean Literature (Writings)
- LAA: Landscape Architecture
- LBL: Language Arts in 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 Literature
- LGW: Lingala-Language (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
- MAN: Management
- MAP: Mathematics Applied
- MAR: Marketing
- MAS: Mathematics - Algebraic Structures
- MAT: Mathematics
- MCB: Microbiology
- MCC: Special Topics in Mass Communication
- MDF: Midwifery
- MEA: Medical Assisting Technology
- MEL: Medical Science Electives
- MEM: Medieval and Early Modern Studies
- MET: Meteorology
- MGF: Mathematics - General and Finite
- MHS: Medical Sciences
- MIA: Medical Science Applications
- MLA: Medical Laboratory Science
- MLD: Medical Laboratory Technology
- MMC: Mass Media Communication
- MNA: Management - Applied
- MOB: Molecular Biophysics
- MOM: Motorcycle Mechanics
- MRE: Medical Records (Discontinued Effective 2003)
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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 Grad1
Directed Independent Studies 1906, 2905, 3905, 4906, 5907
Directed Independent Research 4912, 5917
Special Undergraduate Research IDS 3913, 4914
Special Topics/Seminars 1931, 2930, 3930, 4932, 5937
*Internship, Practicums, Clinical Prac 3940, 4941, 5944
Cooperative Education 1949, 2949, 3949, 4949, 5949
Honors Undergraduate Thesis 3970H, 4970H
Honors Directed Reading1 4903H
Honors Directed Reading2 4904H
Study Abroad 4959, 5957
*These courses may be assigned variable credit. Some may be repeated upon approval.
1The Special Graduate Courses are primarily for graduate students, but may be taken by advanced seniors with the consent of their deans.
2Enrollment is limited to those students who are fully admitted to the Graduate Program.
3Enrollment is limited to those students who are admitted into the Co-op program.

Dual Usage of Credit Hours
With the exception of 3 + 2 programs, courses used to meet the requirements of an undergraduate degree cannot typically also be used to meet the requirements of a graduate program. Students should contact their advisor or college for specific program requirements or additional information.

UCF Course Description Legend
PR: (Prerequisite) A course in which credit must be earned prior to enrollment in the listed course.
CR: (Corequisite) A course that must be taken concurrently with, or prior to, the listed course.
CI: (Consent of the Instructor)

Hours Code
Each course listed is followed by a code that shows hours of credit and contact hours.

Example: ART 2500C CAH-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.

College/School/Department Indicator
Following the course number for each course listed is an indicator denoting the college, school, and department responsible for the course. The college designators are BA = Business Administration, BHC = Burnett Honors College, CAH = Arts & Humanities, COM = Medicine, CON = Nursing, COS = Sciences, ECS = Engineering and Computer Science, ED = Education, HPA = Health and Public Affairs, and UGST = Undergraduate Studies/Interdisciplinary Studies. Department indicators are listed below (by college):

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UCF Courses and Descriptions

Finding a Course in this List: The UCF courses in this section are listed alphabetically by prefix. Consult the “Common Course Numbering System” section of the Undergraduate Catalog for additional information.

Availability of Courses: The University does not offer all of the courses listed in this Undergraduate Catalog each academic year, academic semester, or term. Consult the online Class Schedule at https://my.ucf.edu for those courses offered each semester/term. At the end of each course description is information on the planned scheduling of the course, (Fall, Spring or Occasional-department scheduled, Odd-Even based on year of term), and any applicable Material and Supply (M&S) Fee.
AMH 4650 CAH-HIST 3(3,0)

AMH 4680 CAH-HIST 3(3,0)
Women in American Science: PR: AMH 2010 or AMH 2020. Examines how American society uses Western ideas about sex and gender to define women's roles in science and their influence on their fields. Even Fall.

AMH 5116 CAH-HIST 3(3,0)
Colonial origins to the present. PR: Graduate standing or senior standing or CI. 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 5117 CAH-HIST 3(3,0)
Colonialism in U.S. Revolutionary Period: PR: Graduate standing or senior standing or CI. Reading and class discussion of the literature on selected topics in the Revolutionary Era, 1763-1789. Occasional.

AMH 5149 CAH-HIST 3(3,0)
Colonialism in Early U.S. History, 1789-1815: PR: Graduate standing or senior standing or CI. Intensive reading and class discussion on selected topics of the early national period. Occasional.

AMH 5169 CAH-HIST 3(3,0)
Colonialism in Age of Jackson: PR: Graduate standing or senior standing or CI. Intensive reading and class discussion on selected topics of the Jacksonian age. Occasional.

AMH 5176 CAH-HIST 3(3,0)
Colonialism in Civil War and Reconstruction: PR: Graduate standing or senior standing or CI. Reading and class discussion of the literature on selected topics of the Civil War and Reconstruction era. Occasional.

AMH 5219 CAH-HIST 3(3,0)
Colonialism in Late 19th Century U.S.: PR: Graduate standing or senior standing or CI. Reading and class discussion of the literature on selected topics of late 19th century U.S. Occasional.

AMH 5246 CAH-HIST 3(3,0)
Colonialism in 20th Century U.S.: PR: Graduate standing or senior standing or CI. 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 CI. 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)
Colonialism in U.S. Cultural History: PR: Graduate standing or senior standing or CI. 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)
Colonialism in American South: PR: Graduate standing or senior standing or CI. 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)
Colonialism in U.S. Frontier: PR: Graduate standing or senior standing or CI. Reading and class discussion of the literature on selected topics of frontier history. Occasional.

AMH 5515 CAH-HIST 3(3,0)
Colonialism in U.S. Diplomatic History: PR: Graduate standing or senior standing or CI. A survey of the historical literature of American foreign policy. May be repeated for credit only when course content is different. Occasional.

AMH 5566 CAH-HIST 3(3,0)
Colonialism: Women in American History: PR: Graduate standing or senior standing or CI. Intensive reading and class discussion on selected topics of Women in American History from colonial time to the present. Occasional.
ANG 5301 COS-ANTHRO 3(3.0) Anthropology of Tourism: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Anthropology of tourism in U.S. and world regions, including impacts on local peoples, cultures, and environments. Occasional.

ANG 5307 COS-ANTHRO 3(3.0) Peoples and Cultures of Latin America: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Latin American culture focusing on indigenous history, colonialism, traditional peoples, social change, and modernization. Occasional.

ANG 5341 COS-ANTHRO 3(3.0) 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.

ANG 5486 COS-ANTHRO 3(3.0) Quantitative Research in Anthropology: PR: Admission to the MA in Anthropology program, Maya Studies graduate certificate, or C.I. Quantitative approaches to problems in anthropology, including multivariate systems, assessment of reliability, and approaches for small samples. Odd Fall.

ANG 5531 COS-ANTHRO 3(3.0) Nutritional Anthropology: PR: The course requires an introduction to Sciences (min 2000-level) and one course in Biological Sciences (min 2000-level) or Consent of Instructor. Graduate status 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, ecological. Occasional.

ANG 5620 COS-ANTHRO 3(3.0) Language and Culture: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Language was an integral part of human culture and behavior, focusing on cross cultural issues that affect cultural competency. Spring.

ANG 5622 COS-ANTHRO 3(3.0) 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.

ANG 5738 COS-ANTHRO 3(3.0) Advanced Medical Anthropology: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Advanced topics in ethnography of medical traditions and anthropological methodology of the study of health and disease. Odd Fall.

ANG 5742 COS-ANTHRO 3(3.0) Problems in Forensic Anthropology: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Current issues and topics in forensic anthropology. Occasional.

ANG 5822 COS-ANTHRO 3(3.0) Maya Field Research: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Practical application of field and theory during primary infilled research in the Maya area. Spring.


ANT 2140 COS-ANTHRO 3(3.0) Archaeology and the Rise of Human Culture: The evolution of human society from foraging and hunting groups to the earliest cities and states. Fall, Spring.

ANT 2410 COS-ANTHRO 3(3.0) Cultural Anthropology: An introduction to human diversity as it is examined among various cultures and ethnic groups. Fall, Spring.

ANT 2511 COS-ANTHRO 3(3.0) The Human Species: Human biological variation in an evolutionary perspective. Fall, Spring.

ANT 2511H COS-ANTHRO 3(3.0) Honors The Human Species: PR: Permission of Honors. Human biological variation in an evolutionary perspective. Occasional.

ANT 3106 COS-ANTHRO 3(3.0) Archaeology and Popular Culture: PR: ANT 2000 or C.I. How the ancient past and archaeology appear in popular culture and are manipulated and used by modern societies. Occasional.

ANT 3115 COS-ANTHRO 3(3.0) Archaeological Method and Theory: PR: or CR: ANT 2000 or ANT 2140 or C.I. A survey of archaeological field and laboratory techniques, including the interpretation of written archaeological reports. Even Fall.

ANT 3142 COS-ANTHRO 3(3.0) Old World Prehistory: PR: or CR: ANT 2000 or ANT 2140 or C.I. A comparative study of social evolution in Africa, Europe, and Asia from the earliest humans to the beginnings of recorded history. Occasional.

ANT 3145 COS-ANTHRO 3(3.0) Archaeology of Complex Societies: PR: ANT 2140 or An anthropological perspective on ancient hierarchies of power. Fall.

ANT 3148 COS-ANTHRO 3(3.0) Life and Death in Ancient Egypt: PR: Any 2000 level Anthropology course. Use of archaeology and physical anthropology to examine the lives and deaths of both common citizens and royalty in Ancient Egypt (3200 BCE-AD 600). Occasional.


ANT 3158 COS-ANTHRO 3(3.0) Florida Archaeology: PR: ANT 2000 or ANT 2140 or C.I. Florida prehistory from Paleo-Indian to European contact including archaeological periods, cultural areas, sites, and artifacts. Occasional.

ANT 3160 COS-ANTHRO 3(3.0) Americas Before Columbus: PR: ANT 2000, or C.I. Archaelogical developments of North, Central, and South America from the hemisphere's initial peopling through the advent of European cultures. Occasional.

ANT 3161 COS-ANTHRO 3(3.0) 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.

ANT 3163 COS-ANTHRO 3(3.0) Mesoamerican Archaeology: PR: or CR: ANT 2000 or ANT 2140 or C.I. An introduction to the prehistory of Mexico, Guatemala and upper Central America from earliest times through the Spanish conquest. Occasional.

ANT 3164 COS-ANTHRO 3(3.0) 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 Andenes. Uses archaeological, ethnographic, historical, and contemporary anthropological sources. Occasional.

ANT 3165 COS-ANTHRO 3(3.0) Archaeology of South 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.

ANT 3168 COS-ANTHRO 3(3.0) Maya Archaeology: PR: or CR: ANT 2000 or ANT 2140 or C.I. An examination of the Prehistoric Maya culture focusing on both the archaeology and current issues in the field. Occasional.

ANT 3173 COS-ANTHRO 3(3.0) 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.


ANT 3212 COS-ANTHRO 3(3.0) Peoples of the World: PR or CR: ANT 2000 or C.I. A comparative study of religion, family, politics, philosophy, and other elements of socio-cultural organization of pre-literate societies. Fall, Spring.

ANT 3241 COS-ANTHRO 3(3.0) Magic, Ritual, and Belief: PR: or CR: ANT 2000 or ANT 2410 or C.I. Theoretical and religious behavior in various societies, with primary emphasis on myth, rite, taboo, and festival social phenomena. Fall, Spring.

ANT 3245 COS-ANTHRO 3(3.0) Native American Religions: PR: ANT 2000 or ANT 2410 or C.I. The religious beliefs of native New World peoples. Occasional.


ANT 3273 COS-ANTHRO 3(3.0) Law and Culture: PR: or CR: ANT 2000 or C.I. An introduction to law as an organizing force in society, including a study of primitive forms of law and social control. Occasional.

ANT 3302 COS-ANTHRO 3(3.0) Sex, Gender and Culture: PR: or CR: ANT 2000 or C.I. The traditional and changing roles of women and men viewed in a cross-cultural perspective. Fall, Spring.


ANT 3312 COS-ANTHRO 3(3.0) Ethnology of North American Indians: PR: or CR: ANT 2000 or C.I. A survey of the aboriginal cultures of North America, with emphasis on the pre-contact cultural condition. Even Spring.


ANT 3314 COS-ANTHRO 3(3.0) Indians of the Northeast Woodlands: PR: ANT 2000 or ANT 2410 or other lower-level social science course. The prehistory, history and culture of Native Americans of the North American Northeast. Occasional.

ANT 3318 COS-ANTHRO 3(3.0) Indians of the Northwest Coast: PR: ANT 2000 or ANT 2410 or other lower-level social science course. The prehistory, history and culture of Native Americans of the Northwest Coast of North America. Occasional.


ANT 3330 COS-ANTHRO 3(3.0) Cultural Ecology of Amazonia: PR: Any 2000 level social science course or C.I. The cultural ecology and adaptive strategies of native Amazonians, including effects of modernization on resource use and cultural survival. Occasional.
Materials and Methods of Construction 2: Cultural, economic and technological forces.

Advanced Topics in Digital Architecture: PR: Completion of Articulated Pre-Major: Architecture A.A. at Valencia Community College West or C.I. Continued investigation of computer-aided design programs currently utilized by professional practices. Odd Spring.

Architectural Design 5: PR: Completion of Articulated Pre-Major: Architecture A.A. at Valencia Community College West or C.I. Investigates architectural design and its relationship to regional contextual influences through a range of projects which vary in scale and complexity. Even Fall.


Materials and Methods of Construction 2: CR: ARC 4323L. Methods of assembling and selecting materials; detailed systems of construction will be investigated. Even Spring.

Architectural Structures: CR: ARC 3320L. Principles of structural behavior in withstand gravity and lateral forces. Considers structural layout, load distribution, and preliminary design techniques; and examines contemporary structural systems through case studies. Even Fall.


Architectural History 3: CR: ARC 3320L. Social, political, material, technological, and cultural forces on design and construction from 1850, including architect's role in civil society and theoretical positions of architects and architectural schools. Even Fall.

Architectural Theory 2: CR: ARC 4322L. Investigates the theoretical, historical and ideological ideas in architecture that took place during the early decades of the twentieth century. Odd Fall.

Architectural Design 7: PR: ARC 3321L. Control over architectural processes to solve design needs through appropriate program development and construction technology. Complete building as a final product, emphasizing on urban and suburban housing projects. Odd Fall.

Architectural Design 8: PR: ARC 3322L. Architecture designs focus on architectural detail and articulation. An investigation of landscape provides the context for this study. Even Spring.


Early Childhood Art and Creativity: An examination of developmental patterns in children's artistic behaviors and appropriate instructional strategies to be implemented. Occasional. M&S fee $5.00

Community Arts Practicum: PR: C.I. A supervised opportunity to facilitate art programming in a variety of community settings. Occasional.

Art for Exceptionalities: PR: EDG 4323 and at least junior status. Principles, methods of integrating art processes into the education of students with physical, emotional, and mental disabilities. Occasional.

Methods in Art Administration: PR: ARH 3820. Theories and methodologies for designing, implementing and administering art programs for a variety of populations. Occasional.

Art in the Elementary School: PR: EDF 2005; CR: MUE 3120, HLP 4722, RED 4519, MAE 3436; and EDE 3942. Basic principles, purposes, scope and sequence; organization for instruction; evaluation of activities; selected art experiences. Fall, Spring; M&S fee $5.00

Teaching Art in the Elementary School: PR: EDF 4214 and EDG 4323. Transition from university art studio practices to public school teaching of art. Organizing, designing and analyzing art experiences, activities and classroom environments for the elementary school classroom. Fall. M&S fee $5.00

Teaching Art Appreciation & Criticism in the Classroom: PR: Completion of all Art Education Program Prerequisites or C.I. Materials available for instruction in public schools will be explored in depth in relation to the appropriateness and productive qualities. May be repeated for credit. Spring. M&S fee $5.00

Studio Experiences in Art Education: PR: Completion of all Art Education Program Prerequisites or C.I. Materials available for instruction in public schools will be explored in depth in relation to the appropriateness and productive qualities. May be repeated for credit. Spring. M&S fee $5.00

Community Arts Internship: PR: C.I. An on-site in-depth experience for community arts majors with an concentration in administration, education, or therapeutic experience. Occasional.

Art for Exceptionalities: Concepts, principles, and methods of integrating art processes into the education of the physically, emotionally, and mentally handicapped. Occasional.

Arts in Recreation: Art activities and experiences appropriate for use in playground, leisure services, occupational orientation and other recreational areas. Occasional.

Teaching Art K-12: PR: Admission to MA in Art Education, graduate standing or C.I. Transition from university art practices to public school teaching of art. Organize, design, and analyze art learning for students K-12. Occasional. M&S fee $5.00

Studio Experiences in Art Education: PR: Graduate admission or C.I. Materials available for instruction in public schools will be explored in depth in relation to their appropriateness and productive qualities. May be repeated for credit. Spring. M&S fee $5.00

ARH 3710 History of Photography I: PR: Junior Standing or C.I. History of still photography from its earliest inception to 1900. The content of this course is designed for art majors. Occasional.

ARH 3713 20th Century Photographic History: PR: Junior Standing. The history of the evolution of still photography from the early 20th Century to contemporary practice. Occasional.

ARH 3720 History of Prints: PR: ARH 2050 and ARH 2051 or C.I. History of printmaking in the Western world, surveying works by the ‘great printmakers.’ Occasional.


ARH 3820 Visual Arts Administration Vitas: PR: Junior Standing or C.I. Knowledge and understanding of the Visual Arts. Emphasis on the visual arts as an important component of the culture and the humanities. Occasional.

ARH 3842 Art History Abroad: Italy: PR: ARH 2050 and ARH 2051 or C.I. Meets in Italy and explores Italian art, architecture, artists, patrons, and culture from the Roman period through the late Baroque. Occasional.

ARH 4130 Greek Art and Architecture: PR: ARH 2050 and ARH 2051. Examines the art and architecture of ancient Greece from the Bronze Age through the end of the Hellenistic period. Occasional.

ARH 4150 Roman Art and Architecture: PR: ARH 2050 and ARH 2051. Examines Roman art and architecture from its Etruscan origins through Constantine. Occasional.

ARH 4200 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 Italian Renaissance Art: PR: ARH 2050 and ARH 2051 or C.I. Italian Art and architecture from 1300 to 1600. Occasional.

ARH 4350 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 Italian Baroque Art: PR: ARH 2050 and ARH 2051. Examines the art and architecture of the Baroque period in Italy from 1600-1750. Occasional.

ARH 4430 19th Century Art: PR: ARH 2050 and ARH 2051. A survey of the trends and developments in art during the 19th century, including the art of America and of Western Europe. Occasional.

ARH 4450 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 Art of India: PR: Junior Standing or C.I. Art and architecture of India from prehistoric times through the Gupta, Rajput, and Muslim periods. Occasional.

ARH 4653 Meso American Art: PR: Junior Standing or C.I. A survey of the art of Mexico and Central America, from the Pre-Columbia, through the Spanish Colonial, to the 20th century. Occasional.

ARH 4800 Theory and Criticism of the Visual Arts: PR: ARH 2050 and ARH 2051 or C.I. Explores critical and theoretical approaches to art making through time; art examples from various periods/cultures. Occasional.

ARH 4871 Women in Art: PR: ARH 2050 and ARH 2051 or C.I. A survey of women artists from ancient times to the present as well as a study of the role Aesthetics and Ideology have played in determining representations of women in art. Occasional.

ARH 5897 Advanced Seminar in Art History: PR: ARH 2050 and ARH 2051 or C.I. Research methods on various topics including: major artist, monument, cultural period or theme. Occasional.

ART 2100C CAH-SVAD 3(3,0) Fibers & Fabrics: Design and production training in surface design, floorloom weaving and fiber sculpture. Occasional. M&S fee $5.00


ART 2201C CAH-SVAD 3(2,4) Design Fundamentals-Two Dimensional: PR: C.I. Priorities given to students whose major requires this course. Materials, processes, forms. 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-SVAD 3(2,4) Design Fundamentals-Two Dimensional: PR: ART 2203. Priority given to students whose major requires this course. Materials, processes, forms. Emphasis on two-dimensional design problems, including problems in black and white and basic color theory with Honors content. Occasional.

ART 2203C CAH-SVAD 3(2,4) Design Fundamentals-Three Dimensional: PR: C.I. Priorities 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 2301C CAH-SVAD 3(2,4) Drawing Fundamentals II: PR: ART 2300 or C.I. Priority given to students whose major requires this course. Continuing Art of 2300C. Fall, Spring. M&S fee $10.00.

ART 2394 CAH-SVAD 3(3,0) Drawing: Computer as a Medium: Object drawing, using the computer and drawing stylos as a medium. Occasional.

ART 2400C CAH-SVAD 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.

ART 2500C CAH-SVAD 3(2,4) Beginning Painting: PR: ART 2300C, ART 2201C, or C.I. An overview of the problems and materials of Introduction to the problems in painting. Occasional. M&S fee $15.00

ART 2701C CAH-SVAD 3(2,4) Sculpture: PR: Three semester hours in three-dimensional work, ART 2201C, ART 2203C, ART 2300C, ART 2301C. Odd Fall. M&S fee $35.00.

ART 2754C CAH-SVAD 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 2823 CAH-SVAD 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 2823H Honors Art as Interface: PR: Consent of Honors. 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-SVAD 3(3,0) Mixed Media: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C. Concepts and techniques involving the creation of art objects by integrating painting, sculpture, drawing, design, and art history. Occasional.


ART 3332C CAH-SVAD 3(2,4) Intermediate Drawing: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. Intermediate problems in drawing, with emphasis on the human form. Fall, Spring.


An image of a text page is shown. The page contains a list of courses with their respective descriptions and prerequisites. Each course is listed with its code, title, credit hours, and a brief description of the course content. The courses cover a wide range of topics including art, design, technology, and history. The content is detailed, listing prerequisites, fees, and other relevant information. The text is structured in a clear, readable format, typical of a university course catalog.
### UCF Courses and Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td><strong>AST 5765C</strong></td>
<td>COS-PHYS</td>
<td>3(3,1)</td>
<td>Fall, Spring</td>
<td>$30.81</td>
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**Advanced Astronomical Data Analysis:** PR: MAC 2313 or 2000-level or higher course in astronomy or planetary science, ability to write simple computer programs, 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. Fall.

**ATR 2010C** | ED-CFCs | 3(2,1) | Fall, Spring | \$15.00 |

**Athletic Injuries: Mechanisms and Prevention:** PR: PET 2084. The prevention, identification, care, and rehabilitation of human injuries. Fall, Spring.

**ATR 3012C** | HPA-HP | 2(1,1) | Fall, Spring | \$15.00 |

**Clinical Skills for Athletic Trainers I:** PR: ZOO 3733C or ZOO 3736C, and Athletic Training majors or C.I. Basic clinical skills including functional knowledge of lower extremity/trunk muscle, tendon, and ligament anatomy; advanced taping and bracing skills; and clinical assessment of general medical conditions. Fall. M&S fee \$30.81.

**ATR 3013C** | HPA-HP | 2(1,1) | Fall, Spring | \$15.00 |

**Clinical Skills for Athletic Trainers II:** PR: ZOO 3733C or ZOO 3736C, and Athletic Training majors or C.I. Clinical skills including functional knowledge of upper extremity muscle, tendon, ligament anatomy; advanced taping and bracing skills; and pharmacological interventions. Spring. M&S fee \$15.00.

**ATR 3023C** | HPA-HP | 2(1,1) | Fall, Spring | \$15.00 |

**Upper Extremity Function and Measurement:** PR: ZOO 3733C or ZOO 3736C. Upper extremity functional anatomy, manual muscle testing and goniometry. Spring.

**ATR 3024C** | HPA-HP | 2(1,1) | Fall, Spring | \$15.00 |

**Lower Extremity Function and Measurement:** PR: ZOO 3733C or ZOO 3736C. Lower extremity functional anatomy, manual muscle testing and goniometry. Fall.

**ATR 3212C** | HPA-HP | 2(2,2) | Fall, Spring | \$15.00 |

**Recognition and Evaluation of Athletic Injuries I:** PR: ATR 3012. Recognition and evaluation skills required to perform an injury/illness assessment of the upper extremity, head and neck, and general medical conditions and provide immediate management. Spring.

**ATR 4014C** | HPA-HP | 3(2,2) | Fall, Spring | \$33.50 |

**Introduction to Athletic Training:** PR: ATR 3012. Basic athletic training skills including emergency care, taping and wrapping, goniometry and manual muscle testing. Occasional. M&S fee \$33.50.

**ATR 4031C** | HPA-HP | 3(2,2) | Fall, Spring | \$33.50 |

**Recognition and Evaluation of Athletic Injuries II:** PR: ATR 3012. Recognition and evaluation skills required to perform an injury/illness assessment of the upper extremity, head and neck, and general medical conditions and provide immediate management. Spring.

**ATR 4103L** | HPA-HP | 3(3,0) | Fall, Spring | \$70.00 |

**Biochemical Methods:** PR: ATR 4103. A laboratory course stressing the application of the chemical arts to the separation, identification, and quantification of materials of biological significance. Spring. M&S fee \$95.00.

**BME 5572** | ECE-ECCE | 3(3,0) | Fall, Spring | \$70.00 |

**Biomedical Nanotechnology:** PR: EEL 3132C or C.I. Human Physiology, Biotechnological Phenomena and Neurons, Nanoelectronics for fabrication of biosensors for human biomedical applications, self-assembly, bioelectronics, moral and ethical issues. Spring.

**BOT 3018C** | COS-BIOL | 3(1,2) | Fall, Spring | \$70.00 |

**Culinary Botany Across the Cultures:** PR: BOT 3012. 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 \$95.00.

**BOT 3152C** | COS-BIOL | 3(1,4) | Fall, Spring | \$15.00 |

**Local Flora:** PR: BSC 2010C and BSC 2011C, or C.I. Recognition and identification of Florida plants, especially those common to central Florida, stressing environmental and ethobotanical significance. Weekend field trips may be required. Occasional.

**BOT 3802** | COS-BIOL | 3(3,0) | Fall, Spring | \$15.00 |

**Ethnobotany:** PR: BSC 2011C or C.I. Historical and modern uses of plants economically important in various cultures. Spring.

**BOT 3820C** | COS-BIOL | 3(2,1) | Fall, Spring | \$15.00 |

**Plants and the Urban Environment:** PR: Junior standing or C.I. The selection, propagation, and care of ornamental plants in residential and industrial areas. For non-majors only. Occasional. M&S fee \$15.00.

**BOT 4156C** | COS-BIOL | 4(2,6) | Fall, Spring | \$45.00 |


**BOT 4223C** | COS-BIOL | 4(3,3) | Fall, Spring | \$45.00 |

**Plant Anatomy:** PR: BSC 2010C and BSC 2011C, or C.I. A study of development, structure and function of the principal organs and tissue of vascular plants. Occasional. M&S fee \$15.00.

**BOT 4303C** | COS-BIOL | 5(3,6) | Fall, Spring | \$45.00 |

**Plant Kingdom:** PR: BSC 2010C and BSC 2011C, or C.I. A survey of the plant kingdom utilizing comparative morphology, structure and functions to demonstrate relationships among extant and extinct forms. Occasional. M&S fee \$45.00.

**BOT 4434C** | COM-MSM | 4(3,1) | Fall, Spring | \$45.00 |

**General Mycology:** PR: BSC 2010C, MCB 3020C or BSC 2011C. This course is a survey of the Kingdom Fungi, covering the major topics of fungal diversity, structure, genetics, physiology, practical applications and pathogenicity. Occasional.

**BOT 4503** | COS-BIOL | 3(3,0) | Fall, Spring | \$45.00 |

**Plant Physiology:** PR: PCB 3023 or C.I. A study of mechanisms used by plants to cope with the environment. Occasional.

**BOT 4503L** | COS-BIOL | 1(0,3) | Fall, Spring | \$45.00 |

**Plant Physiology laboratory:** CR: BOT 4503. The laboratory to accompany BOT 4503. Occasional. M&S fee \$15.00.

**BOT 4686C** | COS-BIOL | 4(3,3) | Fall, Spring | \$45.00 |

**Conservation and Management of Native Plants:** PR: BOT 4713C, PCB 3044 and/or BOT 4503 or C.I. Identification, conservation, propagation and management of Florida rare, endangered, indicator or reclamation species. Occasional.

**BOT 4713C** | COS-BIOL | 5(3,6) | Fall, Spring | \$45.00 |

**Plant Taxonomy:** PR: BSC 2010C and BSC 2011C, or C.I. Systematic classification and identification of vascular plants, with emphasis on the flora of peninsular Florida. Occasional. M&S fee \$45.00.

**BOT 4859** | COS-BIOL | 4(3,0) | Fall, Spring | \$45.00 |

**Medicinal Botany:** PR: BSC 2011C, or C.I. The medicinal properties of plants and their role in both traditional and modern medicine; history of herbal medicine and alternative medicinal practices around the world. Even Fall.

**BSC 1005** | COS-BIOL | 3(3,0) | Fall, Spring | \$45.00 |

**Biological Principles:** A study of various biological factors that affect the health and survival of man in modern society. Designed for non-majors. Fall, Spring.

**BSC 1005H** | COS-BIOL | 3(3,0) | Fall, Spring | \$45.00 |

**Biological Principles-Honors:** PR: Permission of Honors. Biological factors that affect dependence on the environment; the role of human population preserving ecological integrity. Occasional.

**BSC 1005L** | COS-BIOL | 1(0,2) | Fall, Spring | \$45.00 |

**Biological Principles-Laboratory:** CR: BSC 1005. The laboratory to accompany BSC 1005. Fall, Spring. M&S fee \$15.00.
BSC 1050 COS-BIOL 3(3,0) Biology and Environment: Biological implications of the interaction among human society, population, and technology in relation to the environment and natural systems. Designed for non-majors. Occasional.


BSC 1050L COS-BIOL 1(0,2) Biology and Environment Laboratory: CR: BSC 1050. The laboratory to accompany BSC 1050. Occasional. M&S fee $15.00.

BSC 2010C COS-BIOL 4(3,2) Biology: PR: High school biology or C.I. Open only to students whose major requires this specific course. Cellular and chemical basis of life, genetics, and the theory of evolution. Emphasis on problem solving, analysis, synthesis of information, and applying data effectively. Fall, Spring. M&S fee $15.00.


BSC 2011C COS-BIOL 4(3,3) Biology II: PR: BSC 2010C or C.I. Preference will be given to students whose program requires this course. Continuation of BSC 2010C. Organisms' anatomy and physiology as it relates to biodiversity, ecology and evolution. Emphasis on problem solving, analysis, synthesis of information, and applying data effectively. Fall, Spring. M&S fee $20.00.

BSC 2011H COS-BIOL 4(2,6) Honors Biodiversity: PR: Permission of Honors and BSC 2010H or C.I. BSC 2011C for honors students; enhanced by considerable field work, a CD-ROM "text," relevant video programs and readings written by authorities in the field. Occasional.


BSC 3403C COM-M&M 4(3,4) Quantitative Biological Methods: PR: BSC 2010C, MCB 3020C, CHM 2046. A laboratory course which presents modern methods and instrumentation used in quantitative biological experimentation. Fall, Spring. M&S fee $59.00.

BSC 3403H COM-M&M 4(3,4) Quantitative Biological Methods-Honors: PR: Consent of Honors, BSC 2010C, MCB 3020C, CHM 2046. A laboratory course which presents the concepts, modern methods, techniques and instrumentation used in quantitative biological and molecular biological experimentation. Honors level content. Fall.

BSC 3424 COM-M&M 3(3,0) Nanobiotechnology: PR: MCB 1310, and either CHM 2046 or PHY 2520H. Biological processes in nanoscale interactions with elements of physics & engineering. Occasional.

BSC 3949 COS-BIOL 0(0,8) Cooperative Education in Biology: PR: Departmental permission required before registering. Cooperative education experience in biology. Graded S/U. May be repeated for credit. Occasional.

BSC 4101 COS-BIOL 3(3,0) History of Biology: PR: BSC 2010C, BSC 2011C and 8 hours in biology or C.I. People and events involved in the development of major biological concepts and disciplines. Suitable for majors and non-majors. Occasional.


BSC 4330 COS-BIOL 3(3,0) Invasion Biology: PR: PCB 3044 and PCB 4683, or C.I. General principles of invasion ecology. The study of addition of species into ecosystems as it provides insights into basic ecological and evolutionary questions. Even Spring.

BSC 4422L COS-BIOL 1-(4,0,12) Biology Laboratory Techniques: PR: PCB 3044, CHM 2210, or C.I. Individual and small group instruction in current laboratory techniques beyond the scope of typical Biology laboratories. Graded S/U. May be repeated for credit. Occasional.

BSC 4434 COM-M&M 3(3,0) Biomedical Informatics: Sequence Analysis: PR: PCB 3522 or PCB 3023 or C.I. Introduction of useful bioinformatics tools and resources on sequence analysis. Fall.


BSC 4821 COS-BIOL 4(4,0) Biogeography: PR: PCB 3063 and PCB 4683 or ZOO 4131 or C.I. Study of geographic variation in nature, ranging from past to present and genes to ecosystems. Occasional.

BSC 4861L COS-BIOL 3(0,3) SL Sustainability: Socially & Economically Viable Environmental Protection: PR: BSC 2010C or C.I. A service-learning course utilizing an interdisciplinary approach to developing models and implementing programs designed to result in environmental sustainability. Occasional.

BSC 4927 COS-BIOL 2(0,2) Instructional Experiences in Undergraduate Biology: PR: PCB 3063. Biology major with 80 semester hours and 3.0 GPA. Preparation of undergraduate students to more effectively learn biological concepts by facilitating learning in variety of university biology labs. May be repeated for credit. Graded S/U. Fall, Spring.

BSC 5258L COS-BIOL 3(0,3) Tropical Biology Research and Conservation: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Research and conservation in New World tropics, including a field trip to Belize. Tropical biodiversity and forest ecology, integrating conservation strategies in research and communication. Occasional.

BSC 5316 COS-BIOL 3(3,0) Marine Conservation Biology: PR: BSC 4312C Marine Biology, graduate standing, or C.I. Examine human impacts in marine ecosystems and how humans can become stewards of these habitats. Odd Spring.

BSC 5382L COS-BIOL 3(0,0) Infection Biology: PR: PCB 3044 or C.I. The three stages of biological invasion (introduction, establishment and spread) as well as impacts on native species and ecosystems. Even Spring.

BSC 5408L COS-BIOL 3(0,9) Advanced Biology Laboratory Techniques: PR: BS degree, C.I. This course will emphasize those biological techniques and resources necessary for students about to begin thesis research. Individual and small group instruction in current laboratory techniques, literature searches, and hands-on practice of techniques will be stressed. May not be repeated for credit. Occasional. M&S fee $10.00.

BSC 5418 COM-M&M 3(3,0) Tissue Engineering: PR: Graduate standing. Introduction to tissue engineering with a special emphasis on the current status of the field, on novel methods and on cell-biomaterial interactions. Occasional.

BSC 5436 COM-M&M 3(3,0) Biomedical Informatics: Structure Analysis: PR: PCB 3522 or equivalent or C.I. Introduction of bioinformatics tools and resources on RNA and protein structure analysis. Fall.

BSC 5824 COS-BIOL 4(4,0) Biogeography: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Study of geographic variation in nature, ranging from past to present and genes to ecosystems. Occasional. M&S fee $15.00.

BTE 4410 ED-EDHS 3(0,3) Course Construction in Business Education: PR: ECT 3365 or C.I. An overview and examination of business curriculum and methodology integrated into the workforce frameworks. Planning and preparation of materials, managing the laboratory and involvement in career & technical student organizations. Occasional.

BUL 3130 BA-ACCT 4(4,0) Legal and Ethical Environment of Business- Honors: PR: Junior standing and business major or minor, permission of Honors. Analysis of the law as a dynamic social and political institution in the business environment, including contract law, torts, and ethical consideration. Fall, Spring.

BUL 3130H BA-ACCT 4(4,0) Legal & Ethical Environment of Business - Honors: PR: Junior standing and business major or minor, permission of Honors. Analysis of the law as a dynamic social and political institution in the business environment, including ethical considerations with honors level content. Occasional.


BUL 5332 BA-ACCT 3(3,0) Advanced Business Law Topics: PR: Admission to graduate program, or Management major or minor in term of graduation, BUL 3130. Advanced business law topics including coverage of the Uniform Commercial Code, torts, corporate law, and secured transactions. Fall, Spring.

BUL 5810 BA-ACCT 3(3,0) Legal and Social Environment of Business: PR: Admission to graduate program. Analysis of the legal and ethical environment of business, the effects of legislation and regulation on business activity, and the role of law and ethics in the decision-making process. Occasional.

CAP 4053 ECS-CS 3(3,0) AI for Game Programming: PR: COP 3960 or COP 3502C or C.I. Surveys cutting-edge AI techniques for video games, and board games and contrasts them with more traditional approaches. Spring.

CAP 4104 ECS-CS 3(3,0) Human and Technology Interaction: PR: COP 3330 and COP 3502C. Perceptual, cognitive, affective, social, organizational, commercial, and cultural factors. Disciplines, techniques and methodologies. Web, mobiles, and wearables. Embodied conversational agents. Elderly, disabled and special needs. Fall.

CAP 4453 ECS-CS 3(3,0) Robot Vision: PR: COP 3502C and MAC 2312, or C.I. Perception and orthographic processing of images, processing of edges, regions, motion, shading, texture, object detection, recognition, and machine learning. Fall, Spring.

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CAP 4720 ECS-CS 3(3,0) Computer Graphics: PR: COP 3053C and COP 3060 or MAC 2314 or equivalent. Math for computer graphics, visibility and shading, graphics and data structure, curves and surfaces, commodity graphics hardware, and graphics API. Occasional.

CAP 5015 ECS-CS 3(3,0) Multimedia Compression on the Internet: PR: Senior or graduate, student with interest in internet technology. Multimedia data; internet technology; entropy; compression methods; lossy compression; vector quantization; fractal transform coding; wavelet video compression; model based compression. Occasional.

CAP 5055 ECS-CS 3(3,0) AI for Game Programming: PR: CS Foundation Exam or EEL 4515C or C.I. Surveys cutting-edge AI techniques for video games and board games and contrasts them with more traditional approaches. Spring.

CAP 5066 ECS-CS 3(3,0) Web Application Authoring Tools: PR: Graduate standing and/or approval of the Director of the Software Engineering Certificate Program. A survey of available tools for creating and maintaining Web sites, and methodologies for determining which tool is best suited for a particular application environment. Fall.

CAP 5100 ECS-CS 3(3,0) Human-Computer Interface Design: PR: COP 4331C, graduate standing and/or approval of the Director of the Software Engineering Certificate Program. Focuses on dynamics of human-computer interaction. Provides a comprehensive overview of HCI design as a software discipline. Features a user-centered approach to Web-based application design. Fall.

CAP 5145 ECS-CS 3(3,0) Computer Vision: PR: COP 3053C, MAC 2311, COP 3860 or COT 3860. Image formation, binary vision, region growing and edge detection, shape representation, dynamic scene analysis, texture, stereo and range images, and knowledge representation. Fall.

CAP 5150 ECS-CS 3(3,0) Bioinformatics: PR: Background in programming language or molecular biology. This course introduces problems, concepts, algorithms, and applications in Bioinformatics. It covers essential topics such as sequence alignment and prediction of gene and protein structure. Occasional.

CAP 5512 ECS-CS 3(3,0) Evolutionary Computation: PR: CAP 4630 or C.I. This course covers the field of evolutionary computation, focusing on the theory and application of genetic algorithms. Spring.


CAP 5636 ECS-CS 3(3,0) Advanced Artificial Intelligence: PR: CAP 4630. AI theory of knowledge representation, "expert systems", memory organization, problem solving, learning, planning, vision, and natural language. Fall.

CAP 5725 ECS-CS 3(3,0) Computer Graphics I: Architecture of graphics processors; display hardware; principles of programming and display software; problems and applications of graphic systems. Spring.

CBH 3003 COS-PSYCH 3(3,0) Comparative Psychology: PR: PSY 2012. A study of comparative behaviors of lower animals. Occasional.

CCE 4003 ECS-CECE 3(3,0) Introduction to the Construction Industry: PR: EGN 3613, ENV 3001, EGN 3310 all with a grade of "C" (2.0) or better; CR: CWR 3201. Project delivery systems, construction project estimation and scheduling; ethics and labor issues. Multi-disciplinary experience in engineering. Fall, Spring.

CCE 4004 ECS-CECE 3(3,0) Construction Methods: PR: CES 4100C with a grade of "C" (2.0) or better. Construction methods for civil and structural systems, design of temporary structures, safety, and building codes. Spring.

CCE 4034 ECS-CECE 3(3,0) Construction Estimating and Scheduling: PR: CCE 4003 with a grade of "C" (2.0) or better. Construction project estimating and bidding and the preparation of construction schedules, followed by in-depth coverage of time and cost control, and risk management. Fall.

CCE 4402 ECS-CECE 3(3,0) Construction Equipment and Productivity: PR: CCE 4003, CWR 3201 both with a grade of "C" (2.0) or better. Selection of appropriate equipment based on operational parameters, principles of construction productivity measurement and analysis, process design, and discrete event simulation. Spring.

CCE 4810C ECS-CECE 3(2,2) Construction Design Project: PR: CCE 4034, CCE 4004, CCE 4813 all with a grade of "C" (2.0) or better. Design and construction of mechanical and electrical systems for buildings. Fall.

CCE 5006 ECS-CECE 3(3,0) Introduction to Construction Industry: PR: Post-bacc status or C.I. This course introduces students to the construction industry. Topics include project phasification, project phases, project delivery systems, contracts, estimating and schedule drawing and specifications. Research paper required. Occasional.

CCE 5036 ECS-CECE 3(3,0) Construction Estimation and Scheduling: PR: C.I. Provides students with an understanding of estimating and scheduling of construction projects. Topics include detailed estimates, scheduling and project control. Research paper required. Occasional.

CCE 5205 ECS-CECE 3(3,0) Construction Methods: PR: Post-bacc status or C.I. This class covers construction project evaluation principles along with construction methods for civil and structural systems. Occasional.


CCE 5815 ECS-CECE 4(4,0) Mechanical and Electrical Systems for Buildings: PR: C.I. This course covers the design and construction of mechanical and electrical systems for buildings. Research paper required. Occasional.

CCJ 3014 HPA-CJ 3(3,0) Crime in America: A survey of crime and criminality in the United States, with emphasis on crime data, its weaknesses, and types of criminal behavior. Fall, Spring.

CCJ 3024 HPA-CJ 3(3,0) Criminal Justice System: An examination of the components and of their interdependence in light of their traditional autonomy. Fall, Spring.


CCJ 3450 HPA-CJ 3(3,0) The Criminal Justice Manager: PR: CCJ 3024 or C.I. The criminal justice manager: applications of finance, supervision and executive development. Administrative leadership; its nature; methods, and traits. Recent theories and research in leadership. Occasional.

CCJ 3451 HPA-CJ 3(3,0) Justice System Technology: PR: CCJ 3024 or C.I. Examination of the relevance of scientific and technological developments to justice systems and their applicability to the operations and management of the systems. Occasional.

CCJ 3483 HPA-CJ 4(4,0) Labor Relations in Criminal Justice: PR: CCJ 3024 and CCJ 3450 or C.I. Examine the role of public sector labor relations in criminal justice to include management-employee relationships, collective bargaining process, employee organizations, and federal-state laws. Occasional.

CCJ 3661 HPA-CJ 3(3,0) Victims and the CJ System: PR: CCJ 3024. Course examines Victims as they affect the Criminal Justice system, the dimensions of criminal victimization, and victim offender programs. Occasional.

CCJ 4035 HPA-CJ 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 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 3(3,0) Criminal Justice Dimensions of Genocide: PR: CCJ 3014 or C.I. Elements of Criminal Justice approach to genocide, including theories, precursors, case studies, organization, legal outcomes, and criminal justice majors' roles in studying and preventing genocide. Occasional.

CCJ 4076 HPA-CJ 3(3,0) Crime Analysis II: PR: CJE 4654, CJE 4663. Designed to provide advanced data analysis skills that will enable a crime analysis sophisticated methodologies to crime analysis. Occasional.

CCJ 4129 HPA-CJ 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 3(3,0) Interviews & Interrogations in CJ: PR: CCJ 3024 and CJE 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 4296 HPA-CJ 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 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 4641 HPA-CJ 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 4651 HPA-CJ 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 3(3,0) Women and Crime: This course covers women in criminal justice as offenders and prisoners, as well as crime victims and professionals working in the system. Occasional.


CCJ 4690 HPA-CJ 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 3(3,0) Research Methods in Criminal Justice: Overview of the social science research methodology 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 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 3(3,0) The Nature of Punishment: PR: Admission to Criminal Justice Master'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 criminal justice systems.

CCJ 5073 HPA-CJ 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 3(3,0) Research 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 3(3,0) The Administration of Justice: PR: Admission to Criminal Justice Master's program or C.I. This course provides an overview of the criminal justice system and a critical analysis of formal and informal processing of offenders by criminal justice agencies. Fall, Spring.

CCJ 5467 HPA-CJ 3(3,0) Justice and Safety System Manpower: Processes essential to administration 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 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 5675 HPA-CJ 3(3,0) Human Rights and Criminal Justice: PR: Senior standing or consent of C.I. Provides an 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 5931 HPA-CJ 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 repeated in the degree program a maximum of 3 times. Occasional.

CCJ 5934 HPA-CJ 1(1-0) 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 responsibility of agents as investigators. May be used in the degree program a maximum of 4 times. Occasional.


CDA 5106 ECS-CS 3(3,0) Advanced Computer Architecture: PR: EEL 4701C. Modern computer design, instruction-set parallelism, memory hierarchy, and I/O. Fall, Spring.

CDA 5110 ECS-CS 3(0) Parallel Architecture and Algorithms: PR: COT 4210, CDA 5106. General-purpose vs. special-purpose parallel computers; arrays, mesh, and shared-memory; taxonomy; parallelization techniques; communication synchronization and granularity; parallel data structures; automatic program restructuring. Occasional.

CDA 5215 ECS-CS 3(0) Architecture and Design of VLSI: PR: EEL 4701C. Overview of VLSI technology. Logical design of basic subsystems; integrated system design tools; design of a VLSI computer system. Occasional.


CEN 3301 ECS-CECE 3(0) Geotechnical Engineering I: PR: EGN 3331 and CHS 1440 or equivalent. Principles of geotechnical engineering, including stress and strain analysis, soils mechanics, and slope stability. Fall, Spring.

CEN 4020 ECS-CS 3(3,0) Component-based Engineering Software: PR: COP 4851C, EEL 4882. In-depth treatment of component-based software development including analysis design and implementation of correct and verifiable software in different component levels. Occasional.

CEN 5016 ECS-CS 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 5326 ECS-CS 3(0) Web Server Configuration and Maintenance: PR: COP 3502C, 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 3331 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(0) Matrix Methods for Structural Analysis: PR: CEN 4100C with a grade of “C” (2.0) or better. Introduction to matrix structural analysis, 2D and 3D structural analysis, special topics and modeling techniques, software tools for structural engineers for computer based applications. Occasional.

CEN 4605 ECS-CECE 3(0) Steel Structures: PR: CEN 4605C with a grade of “C” (2.0) or better. Design of structural steel members and buildings, emphasis on ASCE-ASD building code; introduction to AISC-LRFD building code; tension, compression, and moment connections. Fall, Spring.

CEN 4606C ECS-CECE 3(2,2) Reinforced Concrete Structures: PR: CEN 4605C with a grade of “C” (2.0) or better. Design of concrete members using ACI code; beam flexure and shear; compression bending; bond and development; introduction to continuous frames. Fall, Spring.
UCF Courses and Descriptions

CET 4709C ECS-CECE 3(2,2) Concrete Design: PR: CES 4702. Project course on design of concrete structures using concrete and structural analysis methodologies. Fall. M&S fee $21.00.

CET 4743C ECS-CECE 3(2,2) Structural Design: PR: CES 4605 and CES 4702 both with a grade of "C (2.0) or better and department consent. This course prepares students for real life structural design with the fundamentals and applications of both steel and concrete analysis and design at the member and system level. Fall, Spring.

CET 5144 ECS-CECE 3(3,0) Matrix Methods for Structural Analysis: PR: CET 4105C or C.I. Implementation of the matrix methods for structural analysis that are commonly and currently used in practice and in research, special topics such as finite element formulations, special analysis procedures, and use of software packages. Occasional.

CET 5325 ECS-CECE 3(3,0) Bridge Engineering: PR: CET 4605 and CES 4702 or C.I. Bridge engineering fundamentals, design philosophies, analysis and design concepts for concrete and steel bridges, ASHTO specifications, Bridge rating, and introduction to Bridge health monitoring. Occasional.


CET 5706 ECS-CECE 3(3,0) Advanced Reinforced Concrete: PR: CET 4702. or C.I. Design of frames, two-way floor systems, shear walls; shear and torsion; compression field theory; inelastic analysis; RC beam and seismic design; introduction to prestressed concrete. Occasional.

CET 5821 ECS-CECE 3(3,0) Masonry and Timber Design: PR: C.I. Structural properties of masonry and timber; design loads-codes and standards; analysis for axial loads, flexure and shear. Occasional.

CET 2364 ECS-ECS 3(3,0) Systems Applications in C/C++: PR: MAC 5100C or C.I. Use of C language in control of system processes, DOS and BIOS interrupts, and interfacing with assembly language. Introduction to programming techniques and the C/C++ programming languages. Fall, Spring.

CET 3010 ECS-ECS 3(3,0) Introduction to Engineering Technology: PR: MAC 1105C. An introduction to IT field, including binary representation, graphics, data compression, information theory, transmission and storage technology, and communications. Fall, Spring.

CET 3283 ECS-ECS 3(3,0) Applied Systems Analysis I: PR: Approved programming course or C.I. Study of system analysis, design, development and implementation cycle. Includes Object Oriented Programming (OOP) to implement system programs. Spring.

CET 3679 ECS-ECS 3(3,0) Intro to Telephony: An introductory level course in telephony technology. The telephony environment, telemanagement, telephony connectivity and services of telephony. Fall.

CET 4427 ECS-ECS 3(3,0) Applied Database I: PR: Approved programming course or C.I. Design and implementation of data base systems within the concept of central administration, structured data storage. Programming project. Fall.

CET 4483 ECS-ECS 3(3,0) Intro to Local Area Network Technology: PR: Approved telecommunication course or C.I. An introductory level course in local area networks. Topics in data communications, computer networking, local area network technology, topologies, and protocols will be covered. Fall.
### CHM 2041 COS-CHEM 3(3,0)

**General Chemistry:** PR: MAG 1105C or MGF 1106 or equivalent. An introductory study of the fundamental concepts of chemistry, primarily oriented toward Health Science majors. The "NC" grading policy applies to this course. Fall, Spring.

### CHM 1032 COS-CHEM 3(3,0)

**Concepts in Chemistry:** PR: High school Algebra. Concepts will be examined to provide insight into the significant role that chemistry plays in our culture. Intended as a general education course. Fall, Spring.

### CHM 1032L COS-CHEM 1(0,3)

**Introduction to General Chemistry Laboratory:** PR: CR: CHM 1032. Preference will be given to students whose major requires this course. An introductory study of physical and chemical properties of elements and compounds. IMPORTANT: Attendance of the first laboratory session dealing with safety procedures is mandatory. Students who do not attend must immediately call the Chemistry Department, and may be dropped from the class. Fall, Spring. M&S fee $45.00

### CHM 2040 COS-CHEM 3(3,0)

**Chemistry Fundamentals IA:** PR: A minimum score of 550 (SAT) or 24 (ACT) in the mathematics section. MAC 1105C recommended. Not open to students with credit in CHM 2045C. Priority will be given to students whose major requires this course or CHM 2045C. Principles of modern chemistry, units and measures, basic physical theory of chemical reactivity, stoichiometry, reactions in aqueous solutions, thermodynamics. The "NC" grading policy applies to this course. Fall. M&S fee $6.00

### CHM 2041L COS-CHEM 3(3,0)

**Chemistry Fundamentals IB:** PR: CHM 2040C or its equivalent with a grade of C or better. Not open to students with credit in CHM 2045C. The second semester of CHM 2040C. Atomic structure, periodicity, chemical bonding, states of matter, gases. The "NC" grading policy applies to this course. Spring.

### CHM 2045C COS-CHEM 4(3,0)

**Honors Chemistry Fundamentals I:** PR: A passing score in the Chemistry Placement Exam. Not open to students with credit in both CHM 2040C and CHM 2041C. Priority will be given to students whose major requires this course. Same as CHM 2045C with honors-level content. Fall, Spring. M&S fee $9.00

### CHM 2045C COS-CHEM 4(3,1)

**Honors Chemistry Fundamentals I:** PR: A passing score in the Chemistry Placement Exam. Not open to students with credit in both CHM 2040C and CHM 2041C. Priority will be given to students whose major requires this course. Principles of modern chemistry, units and measures, basic physical theory of chemical reactivity, stoichiometry, reactions in aqueous solutions, thermochromy, atomic structure, periodicity, chemical bonding, states of matter, gases. The "NC" grading policy applies to this course. Fall. Spring. M&S fee $9.00

### CHM 2046 COS-CHEM 3(3,0)

**Chemistry Fundamentals II:** PR: "C" grade or better in CHM 2045C or CHM 2041C. Priority will be given to students whose major requires this course. Continuation of CHM 2045C or the CHM 2040C & CHM 2041C sequence. Important reactions of reactants and colligative properties: equilibria, thermodynamics, chemical kinetics, electrochemistry, nuclear chemistry. Fall, Spring.

### CHM 2046C COS-CHEM 3(3,3)

**Honors Chemistry Fundamentals II:** PR: CHM 2045C or CHM 2041C or permission of Honors. Same as CHM 2046 and CHM 2046L with honors-level content. Spring. M&S fee $35.00

### CHM 2046L COS-CHEM 3(1,0)

**Chemistry Fundamentals Laboratory:** CR: CHM 2046. Priority will be given to students whose major requires this course. Illustration of chemical principles and introduction to the techniques of inorganic and physical chemistry. IMPORTANT: Attendance of the first laboratory session dealing with safety procedures is mandatory. Students who do not attend must immediately call the Chemistry Department, and may be dropped from the class. Fall, Spring. M&S fee $45.00

### CHM 2055 COS-CHEM 5(0,5)

**Introduction to Inorganic and Biochemistry:** PR: CHM 2046. An introduction to physical organic chemistry, stressing the chemical functional groups and the impact 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 2210 COS-CHEM 3(3,0)

**Organic Chemistry I:** PR: CHM 2046. Priority will be given to students whose major requires this course. Theory and applications of organic chemistry: structure, bonding, kinetics, thermodynamics, reaction mechanisms, synthesis, and stereochemistry. Structure elucidation via spectrometric techniques. Fall, Spring.

### CHM 2211 COS-CHEM 3(3,0)

**Organic Chemistry II:** PR: CHM 2210. Priority will be given to students whose major requires this course. Continuation of CHM 2210. Fall, Spring.

### CHM 2211L COS-CHEM 2(0,6)

**Organic Laboratory Techniques I:** PR: CHM 2210. 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 $70.00

### 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, CHM 2046L, and PR: or CR: CHM 3120. Experimental exercise of quantitative methods of analysis using titrimetric, gravimetric, potentiometric and photometric methods of analysis including statistical treatment of experimental data. IMPORTANT: Attendance of the first laboratory session dealing with safety procedures is mandatory. Students who do not attend must immediately call the Chemistry Department, and may be dropped from the class. Occasionally. M&S fee $25.00

### CHM 3212L COS-CHEM 2(0,6)

**Organic Laboratory Techniques II:** PR: CHM 2211, CHM 2211L. An introduction to synthesis and design of pharmaceuticals and agrochemicals, as well as the impact of biotechnology in the chemical industry. Focus on the chemistry of synthetic polymers. Synthetic methods, polymerization mechanisms along with characterization techniques, and polymer properties will be considered. Even Fall.

### CHM 3411L COS-CHEM 2(0,6)

**Physical Chemistry Laboratory:** PR: CHM 3120 and CR: CHM 3411. Classical as well as modern instrumental techniques coupled with computer data processing to measure physical properties and determine atomic and molecular parameters. Spring. M&S fee $70.00

### CHM 3422 COS-CHEM 3(3,0)

**Applied Physical Chemistry:** PR: PHY 2040C and MTH 2210. Physical chemistry as applied to the study of biological and forensic sciences. Fall.

### CHM 4130 COS-CHEM 3(0,3)

**Advanced Analytical Laboratory Technique:** PR: CHM 2211, CHM 3120 (with a minimum grade of "C" or 2.0) and CR-CHEM 3411 or PR-CHEM 3422. Modern methods of analysis including electrometric, spectrometry, and separation techniques. Spring.

### CHM 4130L COS-CHEM 2(0,6)

**Advanced Analytical Chemistry Laboratory:** PR: or CR: CHM 4130. Experimental exercise of instrumental methods of analysis. Successful students will develop practical skills performing experiments based on spectroscopic and chromatographic methods of analysis. Statistical data treatment of experimental results will be also exercised. Spring. M&S fee $70.00

### CHM 4220 COS-CHEM 3(3,0)

**Organic Chemistry:** PR: CHM 2211 or its equivalent. Organic reaction mechanisms and retrosynthetic analysis and their application to synthetic chemistry. Occasional.

### CHM 4610 COS-CHEM 3(0,3)

**Inorganic Chemistry:** PR: or CR: CHM 3411. A discussion of descriptive inorganic chemistry based on various bonding theories, thermodynamics, and kinetics. Spring.

### CHM 4610L COS-CHEM 2(0,6)

**Inorganic Chemistry Laboratory:** PR: CHM 3410. A study of physical and chemical properties and synthetic techniques in Inorganic Chemistry. Fall. M&S fee $70.00

### CHM 4914C COS-CHEM 1(1,1)

**Undergraduate Research Methods:** PR: CHM 2211 or C.I. Selection of a research project, 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, 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(0,3)

**Applied Molecular Spectroscopy:** PR: CHM 2210 and, 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)

**Applied Biological Chemistry:** PR: CHM 2211, 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. Odd Fall.

### CHM 5450 COS-CHEM 3(3,0)

**Polymer Chemistry:** PR: CHM 2211, and graduate status or senior standing or C.I. An introduction to the chemistry of synthetic polymers. Synthetic methods, polymerization mechanisms, characterization techniques, and polymer properties will be considered. Even Fall.

### CHM 5451C COS-CHEM 3(1,5)

**Techniques in Polymer Science:** PR: CHM 2211 and, and 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 Fall. M&S fee $45.00
CHM 5580 COS-CHEM 3(3,0) Advanced Physical Chemistry: CR: CHM 3411 and PR: MAC 2233, 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 4040. Optical materials and related materials will be processed and characterized for their properties. Laboratory will emphasize material structure and physical property relationships. Occasional.

CHS 1440 COS-CHEM 4(3,1) Fundamentals of Chemistry for Engineers: PR: One year of high school chemistry or CHM 1022. Basic concepts of chemistry, with emphasis on problem solving and engineering applications. Atomic and molecular structure, states of matter, stoichiometry, equilibrium, electrochemistry and thermodynamics. The "NC" grading policy applies to this course. Fall, Spring.

CHS 3501 COS-CHEM 3(3,0) Introduction to Forensic Science: PR: Preference will be given to students whose majors require this course. Intended for majors and non-majors to provide an overview of the specialty areas in the forensic crime lab. Spring.

CHS 3505C COS-CHEM 4(2,6) Forensic Microscopy: PR: 'C' grade or better in CHM 2046 & L and CHS 3501; and PR: or CR: PHY 2049C. The study of 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 in identifying and compare trace evidence. Spring. M&S fee $45.00

CHS 3514C COS-CHEM 3(2,3) Bomb Scene Investigation: PR: Forensic Science major, CHS 3501 or C.I. Procedures for recognizing, collecting, preserving, and analyzing of evidence from a post blast bombing crime scene. May be repeated for credit. Occasional.

CHS 3530C COS-CHEM 4(3,3) Forensic Analysis of Controlled Substances: PR: 'C' grade or better in CHM 2211, PR: or CR: CHS 3505C & CHM 3120. Study of presumptive tests, isolation, and instrumental techniques used in identification of controlled substances. Fall. M&S fee $45.00

CHS 3533 COS-CHEM 2(2,0) 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 I Laboratory: PR: 'C' (2.0) grade or better in BSC 2010C, PCB 3063, PCB 3083L, PCB 3233, PCB 3333, and PR: or CR: CHS 3533. Concepts and procedures of contemporary forensic biochemistry. Emphasis on techniques and procedures used in operational crime laboratories in the U.S. Fall. M&S fee $70.00

CHS 3540C COS-CHEM 2(1,3) Fire and Debris Analysis: 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 3940 COS-CHEM 0(0,8) Cooperative Education in Chemistry: PR: Departmental permission required before registering. Cooperative education experience in chemistry. Graded S/U. May be repeated for credit. Occasional.

CHS 4200 COS-CHEM 3(3,0) Concepts in Industrial Chemistry: PR: CHM 3410. An introduction to industrial practices, emphasizing the application of chemical principles in the development of a commercial process or product. Occasional.

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) Forensic Biochemistry II: PR: CHS 3533C and C.I. Advanced treatment of the theoretical and practical aspects of forensic DNA analysis and the use of population genetics and genetic data analysis for evidence interpretation. Spring. M&S fee $70.00

CHS 4537 COS-CHEM 2(2,0) Forensic Laboratory Quality Assurance: PR: Grade of "C" or better in CHS 3501, CHS 3533C, and 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 3504C or C.I. An advanced lecture/laboratory course covering the procedures for recovering and identifying flammable liquids in real fire related evidence. Occasional.


CHS 5951 COS-CHEM 4(0,40) Forensic Science Seminar: 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 6615 COS-CHEM 3(3,0) Environmental Chemistry: PR: CHM 2046, senior level in biological, molecular, chemical or engineering sciences, or C.I. Principles of environmental chemistry, survey of environmental law, remediation technologies, industrial practices and environmentally responsible chemistry. Odd Spring.

CHS 5502 COS-CHEM 3(3,0) Principles of Forensic Science: PR: Admission to Forensic Science MS program or C.I. Principles of forensic science scene investigation, concepts in physical and biological evidence, evidence collection and transport, discrimination and individualization of evidence. Occasional.

CHS 5503 COS-CHEM 3(3,0) Topics in Forensic Science: PR: Graduate status or C.I. Will 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 principles of evidence. Occasional.

CHS 5590 COS-CHEM 3(3,0) The Forensic Examination of 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 4361 ECS-CS 3(3,0) Secure Operating Systems and Administration: PR: COP 4600 or CSE 3763. Understanding of secure operating systems requirements, design principles and theories, protection methods, access control, authentication, vulnerability, analysis and case studies. Occasional.

CIS 4615 ECS-CS 3(3,0) Secure Software Development and Assurance: PR: (COP 4600 or CSE 3763) and (CIS 3360 or CIS 3362) or C.I. Thread modeling. Secure code life-cycle. Buffer overflows, race conditions and format string problems, inputs and clients. File system. Cryptography applications. UN/Linux, Java security and Reverse engineering. Occasional.


CIS 5378 ECS-CS 3(3,0) Designing Secure Transactions in Web Applications: PR: Graduate standing and/or approval of the Director of the Software Engineering Certificate Program. Secure electronic commerce, data indirection, shell command injection, cross-site scripting, Web Trojans, symmetric encryption, security protocols, application vulnerabilities, threats and hackers. Spring.

CJC 3130 HPA-CJ 3(3,0) Corrections and Penology: PR: CCJ 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 3164 HPA-CJ 3(3,0) Community-Based Corrections: PR: CJC 3024 and C.J.C. Community-based corrections interventions and treatment programs in the community. Occasional.

CJC 4410 HPA-CJ 3(3,0) Correctional Interventions in Criminal Justice: PR: CCJ 3014. Intervention techniques used with juvenile and adult offenders in institutional and community-based settings and study of the theoretical foundations. Occasional.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Program</th>
<th>Title</th>
<th>Cr.</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>CJC 5020</td>
<td>HPA-CJ</td>
<td>Foundations of Corrections</td>
<td>3(3,0)</td>
<td>PR: C.J. Provides an overview of correctional process in U.S., including philosophical foundations and contemporary practices. Occasional.</td>
</tr>
<tr>
<td>CJE 3001</td>
<td>HPA-CJ</td>
<td>Careers in Criminal Justice</td>
<td>3(3,0)</td>
<td>PR: CCJ 3024 or C.I. Introductory course with focus on components of the Criminal Justice process (law enforcement, courts, and corrections) and employment opportunities within the criminal justice system. Fall, Spring.</td>
</tr>
<tr>
<td>CJE 3444</td>
<td>HPA-CJ</td>
<td>Crime Prevention</td>
<td>3(3,0)</td>
<td>PR: CCJ 3024 or C.I. An overview of crime prevention strategies used in the private and public sectors. Fall, Spring.</td>
</tr>
<tr>
<td>CJE 3662</td>
<td>HPA-CJ</td>
<td>CJ Information Technology and Data Management</td>
<td>3(3,0)</td>
<td>PR: CCJ 3024. Designed to familiarize with concepts of databases, uses, and applicability to crime analysis. Occasional.</td>
</tr>
<tr>
<td>CJE 4012</td>
<td>HPA-CJ</td>
<td>Criminal Profiling in Criminal Justice</td>
<td>3(3,0)</td>
<td>PR: CCJ 3024 or C.I. Examining offender profiling undertaken by law enforcement and prosecution authorities which consists of gathering, reviewing and analyzing evidence pertaining to violent crimes. Occasional.</td>
</tr>
<tr>
<td>CJE 4014</td>
<td>HPA-CJ</td>
<td>Criminal Profiling in Criminal Justice</td>
<td>3(3,0)</td>
<td>PR: CCJ 3024 or C.I. An overview of the varied roles of police in contemporary society. Emphasis is on dynamics of police/citizen interactions and the police subculture. Fall, Spring.</td>
</tr>
<tr>
<td>CJE 4174</td>
<td>HPA-CJ</td>
<td>Comparative Justice Systems</td>
<td>4(4,0)</td>
<td>PR: CCJ 3024 and C.I. Examination of structures and goals of the legal and criminal justice systems of other nations and international comparisons. Occasional.</td>
</tr>
<tr>
<td>CJE 4352</td>
<td>HPA-CJ</td>
<td>Policy Development in Law Enforcement</td>
<td>3(3,0)</td>
<td>PR: CJE 4014. The course is designed to deal with policy development in law enforcement, major issues of organizational administration, personnel practices and police operations will be addressed. Occasional.</td>
</tr>
<tr>
<td>CJE 4410</td>
<td>HPA-CJ</td>
<td>Community Policing</td>
<td>3(3,0)</td>
<td>PR: CCJ 3014, CJE 4014. The viability of community policing. The theoretical basis for community interventions are related to the daily operations required by community policing. Occasional.</td>
</tr>
<tr>
<td>CJE 4572</td>
<td>HPA-CJ</td>
<td>Justice Agency Operations</td>
<td>3(3,0)</td>
<td>PR: CCJ 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.</td>
</tr>
<tr>
<td>CJE 4610</td>
<td>HPA-CJ</td>
<td>Criminal Investigation</td>
<td>3(3,0)</td>
<td>PR: CJE 4014. Course acquaints students with basic Procedures used in Criminal investigations, purpose of investigations, and ingredients for successful investigations. Fall, Spring.</td>
</tr>
<tr>
<td>CJE 4630</td>
<td>HPA-CJ</td>
<td>Serial Murder and Criminal Justice</td>
<td>3(3,0)</td>
<td>PR: CCJ 3014 or C.I. Study of extent, types, and explanations of serial murder, and responses of the general public, law enforcement, and prosecution. Occasional.</td>
</tr>
<tr>
<td>CJE 4654</td>
<td>HPA-CJ</td>
<td>Crime and Place</td>
<td>3(3,0)</td>
<td>PR: CCJ 3024. Provides an understanding of how physical environmental features - the natural and built environment - influence crime events. Occasional.</td>
</tr>
<tr>
<td>CJE 4663</td>
<td>HPA-CJ</td>
<td>Crime Analysis I</td>
<td>3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>CJE 5021</td>
<td>HPA-CJ</td>
<td>Foundations of Law Enforcement</td>
<td>3(3,0)</td>
<td>PR: C.I. Examines police role in modern society and law enforcement policy. Occasional.</td>
</tr>
<tr>
<td>CJE 5120</td>
<td>HPA-CJ</td>
<td>Personnel Management in Criminal Justice Organizations</td>
<td>3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>CJE 5688</td>
<td>HPA-CJ</td>
<td>Cyber Crime and Criminal Justice</td>
<td>3(3,0)</td>
<td>PR: CCJ 3015 or C.I. Deals with the problem of cyber crime and the criminal use of the Internet. Includes investigation, enforcement and legal issues. Occasional.</td>
</tr>
<tr>
<td>CJI 3014H</td>
<td>HPA-CJ</td>
<td>Honors Juvenile Offenders: An Integrative Perspective</td>
<td>3(3,0)</td>
<td>PR: Permission of Honors. To provide students with an integrative understanding of the social, psychological, and legal dynamics evident in processing juvenile offenders. Occasional.</td>
</tr>
<tr>
<td>CJI 4564</td>
<td>HPA-CJ</td>
<td>Juvenile Justice System</td>
<td>3(3,0)</td>
<td>PR: CCJ 3024 and CJL 3510 or C.I. Examination of programs and institutions including juvenile court process, intake services, and remedial procedures and practices. Occasional.</td>
</tr>
<tr>
<td>CJL 3110</td>
<td>HPA-CJ</td>
<td>Criminal Law in Action</td>
<td>3(3,0)</td>
<td>PR: CCJ 3024 or C.I. Basic concepts of criminal law: elements of major crimes, criminal responsibility, defenses, and parties to crime. Fall, Spring.</td>
</tr>
<tr>
<td>CJL 3510</td>
<td>HPA-CJ</td>
<td>Criminal Law in Action</td>
<td>3(3,0)</td>
<td>PR: CCJ 3024 or C.I. Examination of structures and goals of offices and prosecution and criminal trial courts, and of the processes of charging, adjudicating, and sentencing offenders. Fall, Spring.</td>
</tr>
<tr>
<td>CJL 4010</td>
<td>HPA-CJ</td>
<td>Legal Aspects of Policing</td>
<td>3(3,0)</td>
<td>PR: CJE 4014. The legal dimensions of various police decision-making stages; including stops and frisks; arrests; searches and seizures wiretapping; and, interrogations. Occasional.</td>
</tr>
<tr>
<td>CJL 4046</td>
<td>HPA-CJ</td>
<td>Liability Issues in Criminal Justice</td>
<td>3(3,0)</td>
<td>PR: CCJ 3024. Student of fundamental concepts found in civil law with an emphasis on civil liability regarding criminal justice practices. Occasional.</td>
</tr>
<tr>
<td>CJL 4410</td>
<td>HPA-CJ</td>
<td>Legal Aspects of the Criminal Court Process</td>
<td>3(3,0)</td>
<td>PR: CCJ 3010. The legal dimension of various criminal court decision-making stages, including: bail; charging; preliminary hearing; grand jury; pretrial hearings; plea hearings; trial; and, sentencing. Occasional.</td>
</tr>
<tr>
<td>CJL 4514</td>
<td>HPA-CJ</td>
<td>Criminal Sentencing</td>
<td>3(3,0)</td>
<td>PR: CCJ 3024, CJL 3510. Examines the myriad theoretical, empirical and operational issues involved in criminal sentencing policy in American society. Occasional.</td>
</tr>
<tr>
<td>CJL 5049</td>
<td>HPA-CJ</td>
<td>International Perspectives on Law and Justice</td>
<td>6(6,0)</td>
<td>PR: CJE 4014. Course acquaints students with basic Procedures used in Criminal investigations, purpose of investigations, and ingredients for successful investigations. Fall, Spring.</td>
</tr>
<tr>
<td>CLP 3143</td>
<td>COS-PSYCH</td>
<td>Abnormal Psychology</td>
<td>3(3,0)</td>
<td>PR: PSY 302 and PPE 3003. Classification, causation, and treatment of deviant patterns of behavior. Fall, Spring.</td>
</tr>
<tr>
<td>CLP 3143H</td>
<td>COS-PSYCH</td>
<td>Honors Abnormal Psychology</td>
<td>3(3,0)</td>
<td>PR: PSY 302 and PPE 3003 and consent of Honors. Classification, causation, and treatment of deviant patterns of behavior. With Honors content. Spring.</td>
</tr>
<tr>
<td>CLP 3184</td>
<td>COS-PSYCH</td>
<td>Women’s Mental Health</td>
<td>3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>CLP 3302</td>
<td>COS-PSYCH</td>
<td>Clinical Psychology</td>
<td>3(3,0)</td>
<td>PR: PPE 3003 and CLP 3143. An overview of approaches to psychopathology, methods of clinical assessment, and various approaches to individual and group counseling. Fall, Spring.</td>
</tr>
<tr>
<td>CLP 3411</td>
<td>COS-PSYCH</td>
<td>Contemporary Behavior Therapy</td>
<td>3(3,0)</td>
<td>PR: CJI 344. Emphasis on the underlying principles and the specific intervention procedures which are utilized in contemporary behavior therapy, including treatment strategies for particular behavior disorders. Occasional.</td>
</tr>
<tr>
<td>CLP 3467C</td>
<td>COS-PSYCH</td>
<td>Interpersonal Effectiveness and Group Psychotherapy</td>
<td>3(2,2)</td>
<td>PR: PSY 3012. Psychological aspects of interpersonal relationships, the rationale for group therapy, and strategies for enhancing interpersonal skills and personal growth. Occasional.</td>
</tr>
<tr>
<td>CLP 4134</td>
<td>COS-PSYCH</td>
<td>Childhood Psychopathology</td>
<td>3(3,0)</td>
<td>PR: PSY 3012, CLP 3143, DEP 2004C, PPE 3003C. An in-depth survey of the prevalence, classification, symptoms, diagnosis, consequences, and treatments of disorders of infancy, childhood, and adolescence. Fall, Odd Spring.</td>
</tr>
<tr>
<td>CLP 4134</td>
<td>COS-PSYCH</td>
<td>Health Psychology</td>
<td>3(3,0)</td>
<td>PR: CLP 3143, PSB 3002, PPE 3003C. Interactions between psychosocial 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.</td>
</tr>
<tr>
<td>CLP 4397</td>
<td>COS-PSYCH</td>
<td>Forensic Psychology</td>
<td>3(3,0)</td>
<td>PR: PSY 3012 and SOP 3751. Clinical practice of psychology within the legal system, including forensic evaluation of competency/insanity, treatment, and criminal profiling. Spring.</td>
</tr>
<tr>
<td>CLP 4402C</td>
<td>COS-PSYCH</td>
<td>Psychological of Disability</td>
<td>3(2,2)</td>
<td>PR: PSY 3012. Psychological aspects of physical disability and rehabilitation. Psychological adjustment, body-mind relationships, families and societal dynamics relative to therapeutic intervention. Occasional.</td>
</tr>
<tr>
<td>CLP 5166</td>
<td>COS-PSYCH</td>
<td>Abnormal Advanced Psychology</td>
<td>3(3,0)</td>
<td>PR: Graduate status or senior standing in psychology. Consideration of classification, causation, management and treatment of emotional disorders. Review of theories and research in the field. Lecture/Laboratory. Occasional.</td>
</tr>
<tr>
<td>CLP 5187</td>
<td>COS-PSYCH</td>
<td>Mental Health and Aging</td>
<td>3(3,0)</td>
<td>PR: Graduate status or senior standing or consent. Introduction to assessment and intervention issues, practice and research related to problems with cognitive and emotional functioning among older adults. May be repeated for credit. Occasional.</td>
</tr>
</tbody>
</table>
CLT 3378 CAH-PHIL 3(3,0) Comparative Mythology; PR: ENC 1102 and either HUM 1010, REL 2300, WCH 2202, LIT 2210, 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 3900, or COT 3200C may be taken concurrently. Preparation of non-broadcast corporate/institutional video programs including planning, budgeting, production, and evaluation.


CNT 4403 ECS-CS 3(3,0) Network Security and Privacy; PR: (CNT 3004 or EEL 4781 or CNT 4704) and (CIS 3380 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 Maintenance; PR: CGS 3301. An overview of operating system installation, configuration, and maintenance, including client-server services, content management and deployment, server administration and management, and user/group management. Fall, Spring.

CNT 4703C ECS-CS 3(3,0) Design and Implementation of Computer Communication Networks; PR: CNT 3004, COP 3502C, MAD 2104 or COT 3100C. Data communication networking for trees, OSPF, RIP, Ethernet, Gigabit Ethernet, ATM, Frame Relay, protocols (routers, switches, adapters, cabling). Base design and detailed configuration including hands-on exercises. Fall, Spring. M&S fee $16.00

CNT 4704 ECS-CS 3(3,0) Analysis of Computer Communication Networks; PR: CNT 3010C, STA 2303, MAC 2312. Network design using layering, introduces cabling, topology, architecture, hardware and software. Includes performance and control issues such as congestion control, error control, contention resolution. Occasional.

CNT 4714 ECS-CS 3(3,0) Enterprise Computing; PR: CGS 3269, MAD 2104, COP 3330 and COP 3502C. Client-server architecture. Server-side scripting: Servlets, JSP, PHP, JDBC and MySQL database; connectivity; Multi-threaded Java applications. J2EE development. SSL, Event-driven programming. Fall, Spring.

CNT 5008 ECS-CS 3(3,0) Computer Communication Networks Architecture; PR: EEL 4700C. Computer networks, layers, protocols and interfaces, local area networks networking. Fall.

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 2347 COS-COMM 1(1,1) Sports Speaking and Interviewing; PR: SPCH 1600. Practicum to prepare students to speak in public forums and to participate in interviews with the mass media. Graded S/U. Occasional.

COM 3011C COS-COMM 3(1,2) Communication and Human Relations; PR: or CR: COM 3311. Semantics; symbols and meaning and their relationship with human behavior. Fall, Spring.

COM 3013 COS-COMM 3(3,0) Communication and the Family; PR: SPCH 1600. The ways members of a family unit interact verbally and nonverbally to influence one another. Even Fall.

COM 3022 COS-COMM 3(3,0) Health Communication; PR: COM 3311 or C.I. Theories and research about the role communication plays in health. Occasional.

COM 3110 COS-COMM 3(3,0) Business and Professional Communication; PR: Majors only, SPC 1608 or C.I. Theoretical and practical training in effective presentational speaking for business and professions. Fall, Spring.

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 training in effective presentational speaking for business and professions. With Honors consent. Occasional.

COM 3120 COS-COMM 3(3,0) Organizational Communication; 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 2014C. 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 1080C. 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: 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 1605 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, terrorism, and theoretical dimensions play a role in terrorism. How communiques 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: or CR: COM 3311, or C.I. The study of communication in everyday conflicts. Fall, Spring.

COP 2500C ECS-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 IO libraries. Fall, Spring.

COP 3223H ECS-CS 3(3,0) Honors Introduction to Programming with C; PR: Consent of Honors. Programming in C including arrays, pointer manipulation and use of standard C math and IO libraries. With Honors consent. Fall.
COP 4910 ECS-CS 3(3,0) Frontiers in Information Technology: PR: COP 4610L or COT 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 COT 4210 or C.I. Static analysis of programs including theoretical and practical limitations. Flow analysis, abstract interpretation, and ype 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) Operating Systems Design Principles: PR: COP 4600. Structure and functions of operating systems, process communication techniques, high-level concurrent programming, virtual memory systems, elementary queuing theory, security, distributed systems, case studies. Spring.

COP 5711 ECS-CS 3(3,0) Parallel and Distributed Database Systems: PR: COP 3300L and COP 3500L. Management and design of data structures for parallel DBMSs, distributed DBMS architectures, distributed database design, query processing, multidata-base systems. Occasional.


COT 3960 ECS-CS 3(1,0) CS Foundation Seminar: PR: COP 3502C and COT 3100C. Foundation examination for computer science majors. Required before taking advanced core courses in Computer Science and upper-division 4000 and 5000 level CS electives. Graded S/U. Fall, Spring.

COT 4210 ECS-CS 3(3,0) Discrete Structures II: PR: COP 3503C and COT 3960. Computation Theory. A study of the properties of grammars and automata as formal specifications for algorithms and families of languages. Fall, Spring.


COT 4810 ECS-CS 3(3,0) Topics in Computer Science: PR: COP 3402 and COP 3503C and COT 3960. A range of topics from the field of Computer Science: application of oral and written communication skills; social, ethical and moral issues of computing. Fall, Spring.

COT 5310 ECS-CS 3(3,0) Formal Languages and Automata Theory: PR: COP 4200 and COT 4210. Classes of formal grammars and their relation to automata, normal forms, closure properties, decision problems. L/R(k) grammars. Fall, Spring.


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) Canadian Studies: A multi-disciplinary approach to the study of Canada, its people, culture, government, and economy. Occasional.

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 East 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 East politics, including both regional and international dimensions. Honors level content. Occasional.

CPO 3614 COS-POLS 3(3,0) Politics of Eastern Europe: PR: POS 2041 or C.I. An examination of the political and economic dynamics of Eastern Europe in the post-1945 era. Odd Fall.

CPO 4047 COS-POLS 3(3,0) Politics of the NAFTA Region: PR: POS 2041 or C.I. Comparative politics of the NAFTA region, analyzing important political and socio-economic issues. Occasional.


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 4100 COS-POLS 3(3,0) Politics of the European Union: PR: POS 2041 or C.I. Evolution of the European Union, theories of the EU and EU institutions and policies from a comparative perspective. Spring.

CPO 4123 COS-POLS 3(3,0) Government and Politics of Great Britain: A survey of British government, society, politics and institutions, emphasizing parliamentary traditions. Britain's foreign policy and European role will be discussed. Even Spring.

CPO 4303 COS-POLS 3(3,0) Comparative Latin American Politics: Comparative analysis of politics, society and culture in Latin America and delineation 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 3103 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 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 or C.I. An examination of different 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. Economic and political inequality and 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 or C.I. Unique environmental 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 of southern Mexico, Belize, 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. Only open to non-majors. The techniques of literary genres; the practice and critique of original 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 3016 CAH-ENG 3(3,0) Theory and 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 the 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 3063. C.I. An intermediate level fiction writing workshop for English majors; group analysis and criticism; close reading of contemporary fiction and fiction theory. 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 and CRW 3053, or C.I. Writers present original nonfiction writing for class response and individual conferences. Reading of key works of creative nonfiction with discussion of definitions of the genre. Fall, Spring.

CRW 3310 CAH-ENG 3(3,0) Poetry Writing Workshop: PR: English major or minor, junior standing, and a grade of C (2.0) or better required in CRW 3013 and CRW 3053, or C.I. An intermediate level poetry workshop for English majors. Group analysis and criticism; close reading of contemporary poetry and poetic theory. Fall, Spring.

CRW 3311 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 3540 CAH-ENG 3(3,0) Literary Magazines: 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 editorial policies in publication of contemporary literature. Occasional.

CRW 3610 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. Theory and practice of writing scripts for film, TV. Occasional.

CWR 3850 CAH-ENG 3(3,0) Cypress Dome Editorship: PR: C.I. Responsibility for all aspects of editing The Cypress Dome-UCF's student literary journal. Fall, Spring.

CRW 4014 CAH-ENG 3(3,0) The Writing Life: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013, CRW 3053 and at least one of CRW 3210, CRW 3310, CRW 3950, or CRW 3610, or C.I. Critical/non-fiction craft and workshops for a series of authors. Occasional.

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 3053 or C.I. Close study of style and craft in exemplary works of fiction and creative nonfiction from various time periods. Occasional.

CRW 4120 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 3053 and CRW 3210, or C.I. Intensive writing practice in fiction. Peer critique and group discussion of original manuscripts. Fall, Spring.

CRW 4224 CAH-ENG 3(3,0) Advanced Nonfiction Workshop: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013, CRW 3053, and CRW 3210, or C.I. Study of science fiction literature and writing of original science fiction stories. Workshop format with critique of writing assignments. Occasional.

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 3053 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 3053 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 4724 CAH-ENG 3(3,0) The Florida Review: PR: English major or minor, junior standing, and a grade of C (2.0) or better required in CRW 3013, CRW 3053, and C.I. Hands-on experience with all aspects of Florida Review publishing, editing, and production in conjunction with this national journal. Fall, Spring.

CRW 4804 CAH-ENG 3(3,0) Creative Writing in the Community: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013, CRW 3053, and C.I. Students participate in groups writing in community settings. May be used in the degree program a maximum of 4 times. Fall, Odd Spring.

CRW 5130 CAH-ENG 3(3,0) Form and Theory in Creative Writing: PR: Admission to Creative Writing MFA and C.I. Formal and theoretical study of creative writing of given genre (poetry, short fiction, etc.). May be used in the degree program a maximum of 3 times. Occasional.

CRW 5948C CAH-ENG 3(2,1) Creative Writing Service Learning: PR: Admission to Creative Writing MFA or C.I. On-site experience leading and sharing creative writing in community settings. May be used in the degree program a maximum of 3 times. Occasional.

CRW 3201 ECS-CECE 3(3,0) Engineering Fluid Mechanics: PR: MAP 2302, EGN 3321. Fundamentals of fluid mechanics with hydraulic applications: fluid properties, hydrostatics, dimensional analysis, energy, momentum, continuity, and steady flow. Fall, Spring.

CRW 4101C ECS-CECE 3(2,2) Hydrology: PR: STA 3032, CWR 3201. Hydrological cycle, probabilistic forecasting, rainfall excess, meteorology, groundwater, storm-water runoff, flood routing and design applications. Fall, Spring.

CRW 4323 ECS-CECE 3(2,2) Water Resources Engineering I: PR: CWR 3013, CWR 3201 both with a grade of C (2.0) or better. Fundamentals of advanced understanding of hydrology, hydrologic river routing, open/closed channel, and groundwater hydraulic and some engineering applications of these concepts. Fall, Spring. M&S fee $2,509.89

CWR 4812C ECS-CECE 3(2,2) Water Resources Design: PR: CWR 4632C with a grade of C (2.0) or better and department consent. Project course for the design of storm water, potable and sewer transmission systems using local and state regulations. Fall, Spring. M&S fee $15.00

CRW 5125 ECS-CECE 3(3,0) Groundwater Hydrology: PR: CWR 4203C or equivalent. Theories of groundwater movement, geological factors, analysis and design techniques, etc. Emphasis on practical considerations. Occasional.


CWR 5515 ECS-CECE 3(3,0) Numerical Methods in Civil and Environmental Engineering: PR: CWR 4101C, CWR 4203C. This course presents numerical methods and applications. Occasional.


DAA 2100C CAH-THEA 2(2,1) Modern Dance I: PR: Theatre major, Dance minor, or department consent. Fundamental study of form, style, and technique in creative movement. Includes practical class work and history lectures. Spring.

DAA 2101C CAH-THEA 2(2,1) Modern Dance II: PR: Theatre major, Dance minor, or department consent. Fundamental study of form, style, and technique in creative movement, including practical class work and history lectures. Fall.

DAA 2200C CAH-THEA 2(2,1) Ballet I: PR: Theatre major, Dance minor, or department consent. Fundamental study of classical ballet includes practical dance work as well as dance history lectures. Fall.

DAA 2201C CAH-THEA 2(2,1) Ballet II: PR: Theatre major, Dance minor, or department consent. Intermediate study of classical ballet technique, including principles, theory, and practice technique. Spring.

DAA 2300 ED-CFCS 2(2,0) Ballroom Dance: Course in selected ballroom dances (foxtrot, waltz, rumba, swing, samba, cha cha, tango, quickstep) focusing on dance and fitness aspects of ballroom dancing. Fall, Spring.

DAA 2351 ED-CFCS 2(2,0) Salsa & Latin Dance: Instruction in salsa and selected other Latin dances (merengue, bachata, cha cha) focusing on Latin dance and fitness aspects of ballroom dancing. Fall, Spring.

DAA 2393C CAH-THEA 2(2,1) World Dance: PR: Theatre major, Dance minor, or department consent. Theory and applied technique of world dance. Semester focus will be devoted to one form, such as African dance, Flamenco, Irish dance, Indian dance, or other. May be repeated for credit. Occasional.

DAA 2520C CAH-THEA 2(2,1) Tap Dance: I: PR: Theatre major, Dance minor, or department consent. Form, style, and technique in the basic fundamental movements of tap dance. Fall.

DAA 2521C CAH-THEA 2(2,1) Tap Dance: II: PR: Theatre major, Dance minor, or department consent. Form, style, and technique in the basic fundamental movements of tap dance. Spring.
UCF Courses and Descriptions

DIG 4232C CAH-SVAD 3(1,4) Modeling for Visual Language: PR: DIG 4204C, successful portfolio review, or C.I. Techniques to model, rig, and prepare artificial characters so that they can be animated effectively and express narrative for digital production. Fall.


DIG 4235C CAH-SVAD 3(1,4) Look Modeling Workshop: PR: DIG 4204C, successful portfolio review, or C.I. Techniques, mechanics of designing, developing finished look emphasis on rendering, shading, texturing, and lighting. Spring.

DIG 4236C CAH-SVAD 3(1,4) Geometrical Modeling Workshop: PR: DIG 4204C, successful portfolio review, or C.I. Techniques and mechanics of designing and manipulating geometrical representations of artificial characters and their environments; introduction to procedural models. Spring.

DIG 4354C CAH-SVAD 3(1,4) Advanced 3D Animation: PR: DIG 4323C, successful portfolio review, or C.I. Techniques, tools and concepts developed in previous 3D animation courses. Students apply techniques to 3D character animation. Spring.

DIG 4359C CAH-SVAD 3(1,4) Artificial Environments and Effects Workshop: PR: DIG 3355C and successful portfolio review, or C.I. Techniques and mechanics of artificial environments, with emphasis on compositing, image processing, visual style, visual continuity. Spring.

DIG 4369C CAH-SVAD 3(1,4) Artificial Characters Workshop: PR: DIG 3362C and successful portfolio review, or C.I. Techniques and mechanics of artificial characters, with emphasis on attitude in action, personality of character expressions, and bringing characters to life. Spring.

DIG 4373C CAH-SVAD 3(1,4) 3D Textures: PR: DIG 4393C, successful portfolio review or, C.I. Advanced application of lighting and surface attributes, rendering on the tools, concepts, and techniques learned in previous 3D courses. Spring.

DIG 4394C CAH-SVAD 3(1,4) Motion Graphics: Advanced Compositing: PR: DIG 4395C, successful portfolio review, or C.I. Advanced techniques including 3D modeling, texturing, lighting, particle, and compositing to create motion graphics. Manage and navigate objects, images and other media in visual narratives, as pertaining to 3D Content. Spring.

DIG 4434C CAH-SVAD 3(1,4) Narrative Techniques in the Moving Image: PR: DIG 4434C, successful portfolio review, or C.I. Advanced application of techniques in Visual Language employed in story production, focusing on advancing a narrative and evoking emotion. Spring.

DIG 4451C CAH-SVAD 3(1,4) Visual Storytelling and Visual Development Workshop: PR: DIG 3403C and successful portfolio review, or C.I. Techniques, mechanics of visual development with emphasis on strong visual designs which communicate effectively. Odd Spring.

DIG 4455 CAH-SVAD 3(3,0) Interactive Performance II: PR: DIG 3450C or C.I. Continuation of Interactive Performance I, with focus on the integration of actors, audience participation, technology, and story structure. Spring.

DIG 4486C CAH-SVAD 3(1,4) Visual Language of Moving Image II: PR: DIG 3433C, successful portfolio review, or C.I. Application of techniques taught to design, create, and refine visual development, story board, story reel, character design, and animation that expresses a narrative for digital production. Fall.

DIG 4503 CAH-SVAD 3(3,0) Rapid Application Web Development: PR: DIG 3134C and DIG 3716C. Asynchronous web development using current server-side and client-side scripting techniques and database technologies. Fall, Spring.

DIG 4522 CAH-SVAD 3(3,0) Digital Media Service: PR: DIG 3035. Practicum in which students utilize their digital media skills to create media rich products. May be used in the degree program a maximum of 4 times. Fall, Spring.

DIG 4523L CAH-SVAD 1(0,3) Digital Media Service III: PR: DIG 4522L and a minimum grade of "B" (3.0) or better in DIG 2000. Multidisciplinary students work with faculty and industry mentors to design and implement a project involving virtual reality, video game production, computer systems, or interaction with the theme park industry. Odd Fall, Even Spring.

DIG 4524L CAH-SVAD 2(0,3) Digital Media Project II: PR: DIG 3525 and a minimum grade of "B" (3.0) or better in DIG 2000. Management and execution of large digital media projects, using structured methods and tools learned in Digital Media Production I. Fall, Spring.

DIG 4528 CAH-SVAD 3(0,0) Digital Media Project II: PR: DIG 4524L and a minimum grade of "B" (3.0) or better in DIG 2000. Continuation of IDS 4526. Odd Fall, Even Spring.

DIG 4530C CAH-SVAD 3(2,2) Media for E-Commerce: PR: DIG 3134C and DIG 3716C. The application and design of web-based internet programming languages and media theory to e-commerce, Internet security, and online portals. Fall, Spring.

DIG 4624C CAH-SVAD 3(1,4) Digital Production in Artificial Environments: PR: DIG 4323C, successful portfolio review, or C.I. Application of techniques to continue building artificial environments and effects, addressing lighting, continuity, movement, theme and mood to help express a narrative for digital production. Fall.


DIG 4645 E-CS-SC 3(3,0) Digital Media: PR: COP 3503C or C.I. Information structures and interactive tools for creation, compression, storage, indexing and transmission of multimedia (visual images, sound, tactile displays, etc.) Project-oriented. Occasional.

DIG 4693C CAH-SVAD 3(2,2) Production Software Workshop: PR: DIG 3134C or C.I. Advanced programming techniques for a variety of web-based applications using ActionScript, including dynamic and input text, variables, physics, artificial intelligence, collision detection, user interaction, and animation. Spring.

DIG 4704 CAH-SVAD 3(3,0) Interactive Entertainment: PR: DIG 3525 or C.I. Ways to apply diverse skills of film making to digital media, non-linear storytelling, virtual reality, video games and non-traditional education and military simulation. Fall, Spring.

DIG 4713 CAH-SVAD 3(3,0) Game Design: PR: DIG 3024 and DIG 3355. Principles and theories of video game design, including software, content, interaction, and game play design. Project based. Fall, Spring.

DIG 4715C CAH-SVAD 3(2,2) Game Production: PR: A minimum grade of "B" (3.0) in C.I. 4713 and a satisfactory portfolio review. Principles and theories of video game production, including project planning, scripting, 3D modeling and texturing, level design, and audio. Project based. Fall, Spring.

DIG 4720C CAH-SVAD 3(2,2) Casual Game Production: PR: DIG 2500C, a minimum grade of "B" (3.0) in C.I. 4713, and a satisfactory portfolio review. Students will learn to design and implement casual video games using professional tools and iterative design techniques. Fall, Spring.

DIG 4725C CAH-SVAD 3(2,2) Game Design Workshop: PR: DIG 4715C, FIL 3700C, a minimum grade of "B" (3.0) in DIG 4713, and a satisfactory portfolio review. Students will learn to design and implement video game productions using professional tools and iterative design techniques. May be used in the degree program a maximum of 4 times. Fall, Spring.

DIG 4770 E-CS-SC 3(3,0) Building Virtual Worlds: PR: COP 3503C or C.I. Design and construction of software for networked interactive learning environments, entertainment and communication systems. Tools for creating dramatic, artistic and technical creativity. Project oriented. Occasional.

DIG 4780C CAH-SVAD 3(2,2) Modeling for Realtime Systems: PR: DIG 2105C and a minimum grade of "B" (3.0) in DIG 4700. Principles of construction of 3D models for real-time applications. Topics include level of detail management and efficiency versus visual quality for video games and simulation. Fall, Spring.

DIG 4855 CAH-SVAD 3(3,0) Converging Media Capstone: PR: GEB 3031 Cornerstone and 12 hours of restrictive electives within the Visual Arts and Emerging Media Management Track. Team based converging media projects leading to a capstone project that emphasizes creative thinking, product-prototyping, development, marketing and assessment paralleling the business world. Even Fall, Even Spring. M.S. fee $450.00.

DIG 5045C CAH-SVAD 3(1,3) Principles of Interactive Entertainment I: PR: Admission to Digital Media MS program or C.I. Interactive digital content creation technologies and development processes. Fall.

DIG 5046C CAH-SVAD 3(1,3) Principles of Interactive Entertainment II: PR: DIG 5045C or C.I. Advanced principles of interactive digital content creation technologies and development processes. Fall.

DIG 5137 CAH-SVAD 3(3,0) Information Architecture: PR: Film and digital media majors or C.I. Overview of Visual Language, including the nature of perceptions and cognitions of imagery. Fall.

DIG 5366 CAH-SVAD 3(3,0) Creating Interactive Characters: PR: Admission to Digital Media MS or C.I. Survey of issues related to creating interactive characters. Topics will range from modeling humans to reviewing realistic human capabilities. Graded S/U. Fall, Spring.

DIG 5487 CAH-SVAD 3(3,0) Principles of Visual Language: PR: Film and digital media majors or C.I. Overview of Visual Language, including the nature of perceptions and cognitions of imagery. Fall.

DIG 5529C CAH-SVAD 3(1,3) Production for Media: PR: Admission to Digital Media MS program or C.I. Theories and practices of production processes for interactive entertainment. Fall.

DIG 5548C CAH-SVAD 3(1,3) Rapid Prototype Production I: PR: Admission to Digital Media MS or C.I. Students engage in interdisciplinary teams to create rapid development projects. Fall.

DIG 5549C CAH-SVAD 3(1,3) Rapid Prototype Production II: PR: DIG 5548C or C.I. Students engage in interdisciplinary teams to create advanced rapid development projects. Fall.

ECC 4216 ECOM-ECO 3(3,0) Corporate Finance: PR: ECO 3101, ECO 3102, and ECO 3111. An introduction to corporate finance, with a focus on financial decision making, valuation, and capital markets. Fall, Spring.


ECO 3101 BA-ECON 3(3,0) Managerial Economics: PR: ECO 3101. The study of the behavior of firms and the structure of markets. Fall, Spring.

ECO 3201 BA-ECON 3(3,0) Mathematical Economics: PR: ECO 3101. Mathematical methods with particular focus on microeconomic foundations of individual decision-making. Spring.

ECO 4001 BA-ECON 3(3,0) Money and Banking: PR: ECO 3001. The study of the money market, the Federal Reserve System, and the relationships between the financial markets and the economy. Fall, Spring.

ECO 4011 BA-ECON 3(3,0) Quantitative Business Tools I: PR: ECO 2023. Introductory mathematical methods used in economic analysis. Fall, Spring.

ECO 4012 BA-ECON 3(3,0) Quantitative Business Tools II: PR: ECO 4011. Advanced mathematical methods used in economic analysis. Fall, Spring.

ECO 4013 BA-ECON 3(3,0) History of Economic Thought: PR: ECO 3001. The development of economic thought from ancient times to the present day. Fall, Spring.

ECO 4014 BA-ECON 3(3,0) International Macroeconomics: PR: ECO 3101. Theoretical study of the behavior of households, firms, and the international economy. Fall, Spring.

ECO 4015 BA-ECON 3(3,0) Development Economics: PR: ECO 3001. The study of economic development and growth in developing countries. Fall, Spring.

ECO 4016 BA-ECON 3(3,0) Business Policy: PR: ECO 3001. An introduction to business policy and management. Fall, Spring.

ECO 4017 BA-ECON 3(3,0) Economics of Sports: PR: ECO 2023. The economic analysis of sports, including labor markets and financial decisions. Fall, Spring.

ECO 4018 BA-ECON 3(3,0) Sports Economics: PR: ECO 2023. The economic analysis of sports, including labor markets and financial decisions. Fall, Spring.

ECO 4019 BA-ECON 3(3,0) Economics of Law: PR: ECO 3001. The economic analysis of law, including labor markets and financial decisions. Fall, Spring.

ECO 4020 BA-ECON 3(3,0) Economics of the Environment: PR: ECO 3001. The economic analysis of environmental issues, including labor markets and financial decisions. Fall, Spring.

ECO 4021 BA-ECON 3(3,0) Environmental Economics: PR: ECO 3001. The economic analysis of environmental issues, including labor markets and financial decisions. Fall, Spring.

ECO 4022 BA-ECON 3(3,0) Macroeconomics: PR: ECO 3001. The study of the aggregate economy, including labor markets and financial decisions. Fall, Spring.

ECO 4023 BA-ECON 3(3,0) Macroeconomics: PR: ECO 3001. The study of the aggregate economy, including labor markets and financial decisions. Fall, Spring.
**UCF Courses and Descriptions**

**EEE 2001**  
**ED-CFCS**  
3(3,0)  
**Introduction to Early Childhood Education:**  

**EEE 3214**  
**ED-TL&L**  
3(3,0)  
**Early Childhood Education Learning Environments:**  
PR: Admission to the program. Examines developmentally appropriate education materials, strategies, and environments for young children. Emphasizes an integrated approach to curriculum planning and scheduling which emphasizes active learning. Occasional.

**EEE 3613**  
**ED-CFCS**  
3(3,0)  
**Observation and Assessment of Young Children:**  

**EEE 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.

**EEE 3940**  
**ED-CFCS**  
3(0,3)  
**Integration Internship I:**  
PR: Senior Status; RED 4311 or RED 4310. Field-based placement in which the students will have supervised practice integrating course content areas. Occasional.

**EEE 4207**  
**ED-CFCS**  
3(3,0)  
**Assessment and Evaluation of Young Children:**  
PR: Admission to the Early Childhood Program and admission to Early Childhood education and services for young children and families. Includes early childhood historical, philosophical, and sociological perspectives, learning theories and field-based experiences. Fall.

**EEE 4235C**  
**ED-CFCS**  
3(2,1)  
**Early Childhood Education Seminar: Bridging Theory and Practice:**  
PR: TSL 4240, EEC 4268, EEX 3450 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.

**EEE 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.

**EEE 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.

**EEE 4303**  
**ED-CFCS**  
3(3,0)  
**Planning Creative Activities in Early Childhood Education:**  
PR: Admission to Early Childhood Education and Program or C.I. Instructional methods for teaching skills to young children in PK-3rd grade. Hand-on creative play activities involve dance, music, theatre, visual arts, science, math, and literature. Occasional.

**EEE 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.

**EEE 4414**  
**ED-CFCS**  
3(3,0)  
**Parent-Child Relationships:**  
PR: EEC 3700; EEC 4561; RED 3310; EEX 4751; LN 3716; or C.I. Review of research on child-rearing and parent-child relationships using case studies to explore influences of personality, developmental stage, family structure, ethnic and cultural factors on parenting. Fall, Spring.

**EEE 4524**  
**ED-CFCS**  
3(3,0)  
**Organization and Management in Early Childhood:**  
Provides students with managerial and supervisory skills required to administer developmentally appropriate early childhood program. Occasional.

**EEE 4528**  
**ED-CFCS**  
3(3,0)  
**Infant/Toddler Care and Education:**  
Provides the knowledge and skills that will enable the student to become a competent worker with very young children and their families. Occasional.

**EEE 4604**  
**ED-CFCS**  
3(3,0)  
**Classroom Management and Guidance of Young Children:**  

**EEE 4661**  
**ED-CFCS**  
3(3,0)  
**Early Childhood Education Theory and Practice:**  

**EEE 4731**  
**ED-CFCS**  
3(3,0)  
**Health, Safety, and Nutrition for Young Children:**  
PR: Admission to the Early Childhood Program. Includes knowledge and skills in early childhood health issues (0-8). Protection from injury and infection; promotion of healthy development, good nutrition, and appropriate health and fitness habits. Spring.

**EEE 4943**  
**ED-CFCS**  
2(2,0)  
**Seminar in Early Childhood:**  

**EEE 4949**  
**ED-CFCS**  
12(0,12)  
**Practicum: Early Childhood Development:**  
Must have completed all coursework. A fieldwork practicum experience linking developmental theory with practice to provide students with a supervised, hands-on experience working with children, youth and their families in hospitals and pediatric clinical settings. Spring.

**EEE 5206**  
**ED-CFCS**  
3(0,3)  
**Organization of Instruction 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 5266**  
**ED-CFCS**  
3(0,3)  
**Child Life: Psychosocial Care of Children in Health Settings:**  

**EEE 5300**  
**ED-CFCS**  
3(0,3)  
**Practice:**  
PR: EEL 1123C. Electronic devices including p-n junctions, bipolar transistors, field effect transistors and device models. Fall, Spring. M&S fee $15.00

**EEE 5322C**  
**ED-CFCS**  
3(2,1)  
**Thin Film Technology:**  
PR: EEE 3350 or equivalent. Presents the various thin film deposition techniques for the fabrication of microelectronic, semiconductor, and optical devices. Occasional. M&S fee $70.00

**EEE 5352**  
**ED-CFCS**  
3(3,0)  
**Semiconductor Device Characterization:**  
PR: EEE 3350 or C.I. Semiconductor material characterization resistivity, mobility, doping carrier lifetime, device properties, threshold voltage, interface charge of MOS devices, optical and surface characterization of films. Occasional.

**EEE 5353**  
**ED-CFCS**  
3(3,0)  
**Semiconductor Device Modeling and Simulation:**  
PR: EEE 3307C. Large signal and small signal model development for semiconductor diodes, BJTs, and MOSFETs. Parameter extraction, numerical algorithm, and SPICE simulation are included. Spring.

**EEE 5356C**  
**ED-CFCS**  
4(3,3)  
**Fabrication of Solid-State Devices:**  
PR: EEE 3305. Fabrication of microelectronic devices, processing technology, ion implantation and diffusion, design, and layout. Laboratory includes device processing technology. Fall, Spring. M&S fee $70.00

**EEE 5370**  
**ED-CFCS**  
3(3,0)  
**Operational Amplifiers:**  

**EEE 5378**  
**ED-CFCS**  
3(3,0)  
**CMOS Analog and Digital Circuit Design:**  
PR: EEC 3003, Advanced principles and design techniques for CMOS Analog and digital circuits. M&S fee $9.00

**EEE 5390**  
**ED-CFCS**  
3(3,0)  
**Full-Custom VLSI Design:**  
PR: EEE 3324C, EEC 3307C. CMOS VLSI design methodologies; full custom chip design, industrial CAD tools; simulation; verification. Spring.

**EEE 5399**  
**EE-CFCS**  
4(3,3)  
**Electrical Networks:**  
PR: MAC 2311, MAC 2312, PHY 2045C, PHY 2045C all with a “C” (2.0) or better grade. Circuit analysis and design of linear circuits, transients, ac analysis, power calculations, three-phase circuits, Laplace transform. Fall, Spring.

**EEE 5390C**  
**ED-CFCS**  
3(2,3)  
**Digital Systems:**  
PR: MAC 2311, MAC 2312, PHY 2045C all with a “C” (2.0) or better grade. Combinational and sequential logic circuits including registers, arithmetic units, memories, finite state machines, and design with programmable logic devices. Fall, Spring. M&S fee $9.00
EEL 3041 ECS-ECE 3(3,0)
Circuit Analysis: PR: PHY 2053C. Study of electrical networks. Circuit elements and laws are presented, includ-
ing DC and steady state analysis. Power calculations, power distribution and dissipation are covered with examples relat-
ing to cables, connections, and buses. Not open to EE or CP&E majors. Fall, Spring.

EEL 3123C ECS-ECE 4(3,1)
Networked Systems: PR: EEL 3004, MAP 2302 with a "C" (2.0) or better grade. Network functions, Laplace transforms, frequency domain analysis using Fourier series and transforms, sampling theory and Z-transforms. Fall, Spring. M&S fee $15.00

EEL 3470 ECS-ECE 3(3,0)

EEL 3531 ECS-ECE 3(3,0)

EEL 3552C ECS-ECE 4(3,3)

EEL 3567 ECS-ECE 3(3,0)

EEL 3801C ECS-ECE 3(3,2)

EEL 4050L ECS-ECE 1(0,3)

EEL 4130 ECS-ECE 3(3,0)
Fundamentals of Continuous Simulation: PR: MAP 2302. Fundamental concepts of continuous system simulation. Numerical integration, modeling, and development of a large software project. Fee $15.00

EEL 4140C ECS-ECE 4(3,3)
Analog Filter Design: PR: EEL 3123C. Passive and active analog filter design. Fall. M&S fee $15.00

EEL 4205 ECS-ECE 3(3,0)

EEL 4216 ECS-ECE 3(3,0)
Fundamentals of Electric Power Systems: PR: EEL 3004 or C.I. Three-phase power representation and analysis techniques, transformers, basic microwave measurements. May be repeated for credit. Odd Fall. M&S fee $35.00

EEL 4436C ECS-ECE 4(3,3)
Microwave Engineering: PR: EEL 3470. Transmission line theory, Smith charts, S-parameters, simple impedance matching circuits, wave guides, resonators, basic microwave measurements. May be repeated for credit. Odd Fall. M&S fee $35.00

EEL 4440 ECS-ECE 3(3,0)
Optical Engineering: PR: EEL 3470, EEL 3552C or C.I. Lens systems, aberrations, sources, radiometry, detectors, photodetectors, infrared detectors, digital signal processing, design of engineering problems. Spring.

EEL 4512C ECS-ECE 4(3,3)

EEL 4515C ECS-ECE 4(3,3)
Digital Communication Systems: PR: EEL 3552C, EGG 3420, EGG 3530, PAM, PWM, PCM, and Delta Modulation ASK, FSK, PSK, FM, MFSK, intro-
duction to coding. Fall. M&S fee $20.00

EEL 4518 ECS-ECE 3(3,0)
Satellite Communications: PR: EEL 3552C. The principles of satellite communications, including communi-
cactions satellites, Earth Remote Sensor links, and TDMA and TDMA. May be repeated for credit.

EEL 4612 ECS-ECE 3(3,0)
Introduction to Modern and Robust Control: PR: EEL 3657. Classical control theory including differential equations and Laplace transform techniques, stability analy-
sis, and classical frequency domain design. Occasional.

EEL 4635C ECS-ECE 4(3,3)
Computer Systems: PR: EEL 3567. Discrete-time systems, the z-transform, and single loop computer control systems. Digital simulation in the analy-
sis and design of processes with embedded computers. No graduate credit for both EEL 5630 and this course. Occasional.

EEL 4742C ECS-ECE 4(3,3)
Embedded Systems: PR: EEL 3801C. Microcontroller systems, assembly language programming, data repre-
sentation and device interfacing, timing analysis, parallel and serial communication, timers, interrupts, signal interfacing considerations, and applications. Fall, Spring. M&S fee $15.00

EEL 4750 ECS-ECE 3(3,0)

EEL 4783 ECS-ECE 4(3,3)

EEL 4818H ECS-ECE 3(3,0)
Reinforcement Learning. Fall, Spring.

EEL 4915L ECS-ECE 3(3,0)

EEL 5173 ECS-ECE 3(3,0)
System Identification: PR: EEL 4750 or C.I. Dynamic systems, models of time-invariant and time-variant and nonlinear systems, nonparametric frequency- and time-
domain identification methods, kernal expansion tech-
iques, parameter estimation methods, experiment design, and applications. Odd Spring.

EEL 5245C ECS-ECE 4(3,3)
Biomedical Sensors: PR: EEL 4750 or EEL 4532 or C.I. Study of engineering concepts behind the various biomedical sensors used to monitor a patient undergoing clinical therapy. Occasional.

EEL 5432 ECS-ECE 3(3,0)
Satellite Remote Sensing: PR: EEL 4370 or PHY 4324. Fundamentals of satellite remote sensing, optics and geometry, radiative transfer theory, microwave and infrared sensing techniques, ocean, ice and atmosphere geophys-
ical measurements. Occasional.

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 $40.00
EEL 5439C ECS-ECE 3(2,1)
RF and Microwave Communications: PR: EEL 4430C or equivalent. RF and microwave active circuits, microwave amplifier, oscillator, and mixer design and fabrication. Receiver design, noise, familiarity with network and spectrum analyzers. Occasional. M&S fee $40.00

EEL 5462C ECS-ECE 3(3,1)
Antenna Analysis and Design: PR: EEL 3470 or equivalent. Fundamentals of antennas; dipole, loops, arrays, apertures, and horns. Analysis and design of various antennas. Odd Fall.

EEL 5513 ECS-ECE 3(3,0)

EEL 5517 ECS-ECE 3(3,0)
Surface Acoustic Wave Devices and Systems: PR: EEL 3525C. Course discusses SAW technology which includes the physical phenomenon, transducer design and synthesis, filter design and performance parameters. Actual devices and communication systems are presented. Occasional.

EEL 5542 ECS-ECE 3(3,0)

EEL 5547 ECS-ECE 3(3,0)

EEL 5602 ECS-ECE 3(3,0)
Analog and Control Systems: PR: C.J. Designed to develop basic understanding of advanced control techniques for non-linear systems described by ordinary and partial differential equations and to expose recent results and research issues in the field. Fall, Spring.

EEL 5630 ECS-ECE 3(3,0)

EEL 5669 ECS-ECE 3(3,0)
Autonomous Robotic Systems: PR: EEL 3657 or C.I. Introduction to robotics with emphasis on kinematics, dynamics, trajectory planning, regulation and tracking, formation control, and cooperative rules and behaviors of robotic vehicles. Odd Fall.

EEL 5690 ECS-ECE 3(3,0)
Introduction to Medical Robotics and Tele-Operation: PR: EEL 3657 or Medical students in their second year or later. Medical robots for minimally invasive surgery, kinematics, constrained workspace and dexterity, haptics, tele-operation and network based control, basics of laparoscopic surgery. Occasional.

EEL 5704 ECS-ECE 3(3,0)

EEL 5722C ECS-ECE 3(3,1)
Field-Programmable Gate Array (FPGA) Design: PR: EEE 3342C or C.I. FPGA architectures, design flow, technology mapping, placement, routing, reconfiguration of 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 protocols, channel assignment and resource allocation, mobility and location management, handoffs, routing, authentication, call admission control and QoS provisioning, network layer issues, wireless data networking (WAP, GSM, GPRS, CDMA, WCDMA), Even 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 3420 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)

EEL 5881 ECS-ECE 3(3,0)
Software Engineering I: PR: COP 4332C or C.I. Design, implementation, and testing of computer software for Engineering applications. Fall, Spring.

EEL 5892 ECS-ECE 3(3,0)

EEL 5936 ECS-ECE 0(1,0)
Current Topics in ECES: PR: Open to all ECES graduate students. Lectures presented by ECES and national lecturers will provide our students a broad view of the state of the art and EC fields. Graded S/U. Occasional.

EES 4111 ECS-CECE 2(2,0)
Biological Process Control: PR: EEL 3601 with a grade of "C" (2.0) or better; CR: ENV 4531. Engineering design, measurements and analysis of biological systems in environmental engineering for water management, bioremediation, wastewater treatment, and others. Spring. M&S fee $59.00

EES 4202C ECS-CECE 2(3,3)
Chemical Process Control: PR: ENV 3001 with a grade of "C" (2.0) or better. Engineering design, measurements, and analysis of chemical systems in environmental engineering to control treatment processes such as softening, coagulation, disinfection, scrubbing, neutralization, and others. Fall. M&S fee $60.00

EES 5318 ECS-CECE 3(3,0)
Industrial Ecology: PR: ENV 3001, ENV 4341. Discussion of similarity 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)

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.

EEX 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 communities to address the educational needs of all students. Fall, Spring.

EEX 3102 ED-CFCS 3(3,0)

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)
Methods for Academic Skills for Exceptional Students: PR: EEX 3900, EEX 3761. Teaching strategies, instructional materials, and monitoring techniques for children and adolescents with special needs. Must be taken before internship I. Fall, Spring.

EEX 3242 ED-CFCS 3(3,1)
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. Odd Fall.

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. Spring.

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 6(0,16)

EEX 3942 ED-CFCS 3(3,0)
Internship I Exceptional Education: PR: EDG 4410, RED 3012, EEX 3010, EEX 3241, MAE 2901. Student teaching in exceptional education in both elementary and secondary school settings under the supervision of a certified classroom teacher. Graded S/U. Fall, Spring.

EEX 4054 ED-CFCS 2(2,0)

EEX 4066 ED-CFCS 3(3,0)

EEX 4070 ED-CFCS 3(3,0)
UCF Courses and Descriptions

EGN 4624  ECS-IEMS  3(3,0)
Engineering Administration: PR: Senior standing. Engineering organization and administration; delegation of authority and responsibility; effective use of resources; project management; R and D planning; ethics in professional practice. Fall, Spring.

EGN 4641C  ECS-ECS  3(2,2)
Engineering Entrepreneurship: PR: Senior standing. Content includes lectures, case studies, and seminars. Active student participation. Course material is augmented through seminars given by engineers, business people, and specialists, based on their own experiences. Occasional.

EGN 4706C  ECS-MMAE  3(2,4)
Small Satellite Payloads and Integration: PR: EML 3300C OR EAS 3800C OR EEL 3801C OR ESI 4525C. Evaluate overall impact of integration and design concepts on various satellite component subsystems and their payloads into a small satellite system design leading to a final configuration. Occasional. M&S fee $45.00

EGN 4707C  ECS-MMAE  3(2,4)
Processing-Space Launch Systems: PR: For ECE 3300C or EEL 4740C; For EEMS 4250C: For MAE: EAS 3800C. Assembly and test techniques for preparing and checking-out of the space-launch system "Inertial Upper Stage." May be repeated for credit. Occasional.

EGN 4824C  ECS-ECS  3(3,0)
Environmental Sciences: Investigation of available evidence and forms; energy resources versus requirements in an increasingly complex technological society; possible solutions and future predictions. Occasional.

EGN 4921C  ECS-ECS  2(2,1)
Interdisciplinary Research and Development I: PR: Junior standing or Computer Science major. Research and methodology seminar. Topics to include: intellectual property, patents, global R&D, dissemination of findings. Seminar presentations by guest researchers. Occasional.

EGN 4922C  ECS-ECS  2(1,1)
Interdisciplinary Research and Development II: PR: EGN 4921C. Continuation of EGN 4921C. Occasional.

EGN 4931H  ECS-IEMS  3(3,0)
Engineering Honors Seminar: PR: Permission of Honors and Senior standing and C.I. Introduces a select group of students in engineering or other fields of science to the methodology commonly employed in research. Students will carry out independent research which will prepare them for graduate study. Occasional.

EGN 4933C  ECS-ECS  1(1,1)
Professional Practice I: PR: Junior standing in engineering or computer science. Contemporary global technical issues, professional development, lifelong learning, and ethical responsibilities. Community service and/or community outreach projects required. Occasional.

EGN 4934C  ECS-ECS  2(2,1)
Professional Practice II: PR: EGN 4933C. Continuation of EGN 4933C. Occasional.

EGN 5035  ECS-ECS  3(3,0)
Topics in Technological Development: PR: C.I. Selected topics in the technological development of western civilization including the weight-driven clock, steam engine, telephone, etc. Occasional.

EGN 5720  ECS-IEMS  2(2,3)
Internal Combustion Engine Analysis and Optimization: PR: EGN 3343 or EGN 3355 or C.I. Internal combustion engine operating principles. Topics covered include engine design and operating parameters, combustion, thermodynamics, induction flow, and basic mathematical models. Even Fall, Even Spring. M&S fee $45.00

EGN 5840  ECS-MMAE  3(3,0)
Small Rocket Applications for Teachers: PR: Admission to the UCF Teaching Academy. Earth and space environments, rocket propulsion, metrological and environmental measurements, payload launch procedures, orbits and trajectories, safety, model rocket experiments, field trips, student science experiments. Occasional.

EGN 5855C  ECS-IEMS  2(2,2)
Metrology: PR: EIN 4391C or C.I. Advanced topics in inspection and measurement with applications in engineering and manufacturing. Occasional.

EGN 5858C  ECS-IEMS  3(2,1)
Prototyping and Product Realization: PR: Basic knowledge and experience in CAD/CAM technology or C.I. Product design and development cycle including design for functionality and manufacturability. Fundamentals, applications, and practice of rapid prototyping and reverse engineering technologies. Spring. M&S fee $50.00.

EIN 3001  ECS-IEMS  3(3,0)
Introduction to Industrial Engineering and Management Systems: PR: MAC 2311 and Sophomore standing or C.I. Issues important to the operation of an industrial or service facility. Fall.

EIN 3314  ECS-IEMS  3(3,0)
Work Analysis and Design: PR: STA 3032 or C.I. Introduction to lean six sigma as applied to design and improvement of work systems in any organization. Various data collection and analysis methods utilized. Fall.

EIN 3354  ECS-IEMS  3(3,0)
Principles of Cost Engineering: PR: EIN 3613. This course is to provide engineers from all disciplines the background for the cost estimation of engineering systems throughout the product life cycle. Fall.

EIN 4191C  ECS-IEMS  2(2,2)
Engineering Leadership Seminar I: PR: Junior or better standing in engineering with C.I. Progressive engineering leadership development (intraperusal to interpersonal to personal) via a combination of experiential and practical experiences in engineering-specific corporate and community settings. Fall.

EIN 4192C  ECS-IEMS  2(2,2)
Engineering Leadership Seminar II: PR: EIN 4191C. Continuation of EIN 4191C. Spring.

EIN 4214  ECS-IEMS  3(3,0)

EIN 4243C  ECS-IEMS  2(2,2)
Human Engineering: PR: STA 3032 or C.I. Man/machine systems; design and conduct of human engineering studies. Spring.

EIN 4333  ECS-IEMS  3(3,0)
Production and Distribution Systems: PR: ESI 4312 or C.I. Decision policies in manufacturing and logistics systems including forecasting, production planning, operations scheduling, deterministic and stochastic inventory control and project scheduling. Spring.

EIN 4364  ECS-IEMS  3(3,0)
Facilities Planning: PR: EIN 3314, EIN 3354, EIN 4362C; CR: EIN 4333; EIN 4391 or C.I. Planning and design of production systems including interrelationships between process layouts, material handling, warehousing and site selection. Spring. M&S fee $20.00.

EIN 4391  ECS-IEMS  3(3,0)
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.

EIN 4450  ECS-IEMS  3(3,0)
Principles of Concurrent Engineering: PR: EGN 3613 or C.I. Elements of concurrent engineering and its application. 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: ESI 4525C, EIN 4364 or C.I. Systems analysis methodology, system requirements, specifications, system design methodology and decision support. Consulting skills and client interactions. Initiation of senior design projects. Fall.

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 4545  ECS-IEMS  3(3,0)
Industrial Engineering Applications in The Service Industries: PR: EIN 3314, ESI 4312; CR: ESI 4224 or C.I. Application of Industrial engineering principles to improve the quality and productivity of service industries such as restaurants, banks, hotels, health care, etc. Fall.

EIN 4621C  ECS-IEMS  3(2,2)

EIN 4891C  ECS-IEMS  3(2,3)
Industrial Engineering Senior Design Project: PR: EIN 4151C. Senior standing. Capstone design course; application of IEMS techniques to real-world design applications. Spring.

EIN 5108  ECS-IEMS  3(3,0)
The Environment of Technical Organizations: PR: Graduate status or C.I. EGN 4624 recommended. Presentation and investigation into the principles required to transform technologists into managers focusing on engineers, scientists, and other professionals providing services in technically-oriented organizations. Fall.

EIN 5117  ECS-IEMS  3(3,0)
Management Information Systems I: PR: C.I. The design and implementation of computer-based Management Information Systems. Continuation is given to the organizational, managerial, and economic aspects of MIS. Spring.

EIN 5140  ECS-IEMS  3(3,0)
Project Engineering: PR: Graduate standing of 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 and design of industrial tools, equipments, and workstations. Fall.

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; techniques; query techniques; laboratory techniques; and field study approaches. Occasional.

EIN 5255C  ECS-IEMS  3(2,2)
Interactive Simulation: PR: Graduate standing or C.I. Introduction to significant topics relative to the development and use of simulators for knowledge transfer in the technical environment. Fall, Spring.

EIN 5317  ECS-IEMS  3(3,0)
Training System Design: PR: Seniors, post bac 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 planning, analysis and design, testing, production, distribution, and support. Occasional.

EIN 5356  ECS-IEMS  3(3,0)
Cost Engineering: Cost estimation and control of engineering systems throughout the product life cycle. Spring.

EIN 5388 ECS-MEMS 3(3,0) Forecasting: PR: ESI 5210. Industrial applications of forecasting methods with emphasis on microcomputer-based packages. Occasional.

EIN 5392C ECS-MEMS 3(2,2) Manufacturing Systems Engineering: PR: EIN 4391C or C.I. The integration of manufacturing technologies and information processing concepts into a system for controlling the manufacturing enterprise. Even Spring. M&S fee $20.00

EIN 5607C ECS-MEMS 3(2,2) Computer Control of Manufacturing Systems: PR: EIN 4391C, and EIN 4621C or EML 4553C, or C.I. Automated systems for manufacturing, numerical control (NC) machines, NC programming, robot control and programming, machine and system control. Odd Spring. M&S fee $45.00

EIN 5936 ECS-MEMS 1(1,0) Seminar in Industrial Engineering: Doctoral Research: PR: Graduate students with special learning disabilities, including research areas, skills, funding, proposals, ethics, mentors, seminars, societies, conferences, presentations, interviewing, grants, and publishing. Fall.

ELD 4011 ED-CFCS 3(3,0) Intro to Specific Learning Disabilities: Nature and needs of students with learning disabilities to include history, theories, characteristics, definitions, assessments, issues, and application of effective teaching practices. Occasional.


ELD 4242 ED-CFCS 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 1002 ECS-MMAE 3(3,0) Materials in Today's World: A survey of the properties, manufacture, and uses of metals, ceramics, and polymers in today’s world with emphasis on modern developments and new materials. Occasional.


EMA 3012C ECS-MMAE 3(2,2) Experimental Techniques in Mechanics and Materials: PR: EGN 3365, EGN 3601. Materials characterization (optical and scanning electron microscopy, x-ray diffraction), heat treatment, mechanical testing (hardness, tensile, impact, etc.). Fall. Spring. M&S fee $45.00

EMA 3014 ECS-MMAE 3(3,0) Nanomaterials Characterization and Applications: PR: EMA 3691. Microstructural and mechanical characterization of nanoscale objects, nano-coatings, corrosion, magnetic properties, and their dependence on 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: EGM 3001, and EGN 3605 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 2040C, and PH 2048 or PH 2053C and EGN 3365. Nanomaterials, processing, nanomachining, nanocompositions, nanocomposites and computations of devices. Occasional.

EMA 3706 ECS-MMAE 3(3,0) Structure and Properties of Aerospace Materials: PR: CHS 1440 or CHM 2040C, 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 in all of the following: CHS 1440 or CHM 2040C, MAC 2311, MAC 2312, MAC 2313, MAP 2302 and PHY 2048. Application of first and second and third laws of thermodynamics to materials, phase diagrams, statistical thermodynamics, kinetic processes in materials, diffusion, nucleation and growth, and phase transformations. Fall.


EMA 4503 ECS-MMEM 3(3,0) Materials Characterization Techniques: PR: EMA 3707 or EMA 3601. Theory and practice of commonly used techniques for characterization of crystal structure, microstructure and chemistry. Occasional.

EMA 4506 ECS-MMEM 3(3,0) Emerging Materials: PR: EGN 3605, or EMA 3706. Structure, properties and processing of modern emerging materials. Occasional.


EMA 5060 ECS-MMEM 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.


EMA 5108 ECS-MMEM 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 spectroscopic utilizing electron, ion and photon probes. Occasional.

EMA 5140 ECS-MMEM 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.


EMA 5415 ECS-MMEM 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.

EMA 5504 ECS-MMEM 3(2,2) 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.

EMA 5505 ECS-MMEM 3(2,2) Scanning Electron Microscopy: PR: EMA 5104 or C.I. A review of electron optics, beam/specimen interactions, image formation, X-ray analysis, specimen preparation, microelectronic applications and cryoscopy in the SEM. Occasional.

EMA 5517 ECS-MMEM 3(2,2) Advanced Materials Characterization by Ion Beam Analysis: PR: EMA 5504 or C.I. Principle 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.

EMA 5584 ECS-MMEM 3(2,2) Biomaterials: Principles and their properties, properties of biomaterials, preclinical and clinical evaluation of materials for biomedical applications, specific applications in orthopedic, cardiovascular, visual, neural, and reconstruction implants. Even Spring.

EMA 5585 ECS-MMEM 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.

EMA 5586 ECS-MMEM 3(3,0) Photovoltaic Solar Energy Materials: PR: EGN 3365. Materials properties basic to photovoltaics, structures, homojunction, heterojunction, and surface barrier solar cells, AMDS-1D modeling of c-Si, GaAs bulk and a-Si:H, CIGS, and CdTe thin film solar cells. May be repeated for credit. Occasional.


EMA 5588 ECS-MMEM 3(3,0) Biocompatibility of Materials: PR: EGN 3365 or C.I. Biocompatibility and biocompatibility interactions; engineering bone and cartilage; soft-tissue replacements; total hip replacements; nanostructured biomaterials, implant technologies, preservation techniques for biomaterials, MSDS and FDA compatibility data. Occasional.
EME 5610 ECS-MMAE 3(3,0) Laser Materials Processing: PR: EGN 3343 or EMA 5103 or C.I. Desired material properties for high temperature applications, physical metallurgy of such materials, corrosion, heat corrosion and oxidation properties, aerodynamic and land-based gas turbine requirements. Occasional.


EME 2040 ED-TL&L 3(3,0) Introduction to Technology for Educators: PR: Acceptance into Education Program or C.I. Survey of media for children and young adults: EME 5225 ED-TL&L 3(3,0) Production Techniques for Instructional Technologies: PR: EMA 5104 or C.I. Desired material properties for high temperature applications, physical metallurgy of such materials, corrosion, heat corrosion and oxidation properties, aerodynamic and land-based gas turbine requirements. Occasional.

EME 2041 ED-TL&L 3(3,0) Introduction to Applications of Technology in Education: PR: Acceptance into Ed Media Program or C.I. Occasional. May be used in the degree program a maximum of 4 times.

EME 4312 ED-TL&L 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.

EME 5050 ED-TL&L 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.

EME 5051 ED-TL&L 3(3,0) Technologies of Instruction and Information Management: PR: Acceptance into Ed Media Program or C.I. Theories 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.

EME 5055 ED-TL&L 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, Spring.

EME 5208 ED-TL&L 3(3,0) Production Techniques 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 communication theories. Spring.

EME 5225 ED-TL&L 3(3,0) 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.

EME 5810 ED-TL&L 1(1,0) Teaching and Learning with Technology: Overview of technologies for teaching and for learning. Practical strategies for using technology in the classroom. May be used in the degree program a maximum of 4 times. Occasional.


EML 3034C ECS-MMAE 3(3,1) Modeling Methods in Mechanical and Aerospace Engineering: PR: EEM 2040 or C.I. or in all of the following prerequisites: MAC 2311, MAC 2312, MAC 2313, MAP 2302 and PHY 2048. Application of CFD and structural analysis methods to the design and analysis of complete mechanical systems. Fall, Spring.

EML 3101 ECS-MMAE 3(3,0) Thermodynamics of Mechanical Systems: PR: EGM 3343 and a "C" (2.0) or better in all of the following: MAC 2311, MAC 2312, MAP 2302 and PHY 2048. Application of thermodynamics, availability analysis, thermodynamic relations of properties. Thermodynamic design analysis of complete mechanical systems. Fall.

EML 3262 ECS-MMAE 3(3,0) Kinematics of Mechanisms: PR: EEM 3262 and a "C" (2.0) or better in all of the following: MAC 2311, MAC 2312, MAP 2302 and PHY 2048. Graphical, mathematical, and computer-aided kinematics, analysis, and synthesis of basic mechanisms. Fall.

EML 3303C ECS-MMAE 3(2,3) Mechanical Engineering Measurements: PR: EEM 3101. Theory and use of instruments. Measurement techniques, data analysis, report writing. Laboratory topics related to mechanical engineering. Fall, M&S fee $15.00

EML 3990 ECS-MMAE 0(0,0) Mechanical Career and Academic Faculty Advising: PR: MAP 2302. Mandatory meeting with students and their faculty advisor for career/academic advising. Graded S/U. Fall, Spring.


EML 4024C ECS-MMAE 3(2,2) Engineering Design Practice: PR: EML 3034C and EML 3500 or EAS 4200. Basic CAD/CAM solid modeling techniques in a project-oriented environment. Students will construct parts models, drawings, and assemblies. Use of in-house software. Fall, Spring.


EML 4221C ECS-MMAE 2(1,2) Mechanical Systems Engineering: PR: EML 3343 or EML 3800C or EML 4220 or EAS 4210. Provides a teaching/laboratory of dynamic vibration and modal analysis testing and theory using modern instrumentation and software tools to develop competence in design and conducting tests, analysis and interpreting engineering data. Fall, Spring. M&S fee $35.00

EML 4260 ECS-MMAE 3(3,0) Dynamics of Machineries: PR: EML 3262 and EML 4220. Basic mechanics governing vehicle dynamics, performance and handling; accleration, braking, ride, cornering, suspension, steering, rollover. Occasional.

EML 4293 ECS-MMAE 3(3,0) Essentials of Mechatronic Systems: PR: Graduate status or C.I. Engineering of miniature mechanical, thermal, energy, and electrical systems, including advantages, microfabrication methods, and future trends. Occasional.

EML 4304C ECS-MMAE 2(1,3) Design of Thermofluid-Solid Experiment: PR: EML 3330C, CR: EML 4142. Measurements and experiments in Thermo-Fluids systems with emphasis on project team activity. Spring. M&S fee $45.00

EML 4312C ECS-MMAE 3(2,3) Feedback Control: PR: EGM 3343, MAP 2302, EGM 3333 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. Occasional.

EML 4454 ECS-MMAE 3(3,0) Turbines for Sustainable Power: PR: EML 3601, EML 3800 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 reliabilities; covers multiple applications of conventional and green technologies. Occasional.

EML 4501C ECS-MMAE 3(1,6) Engineering Design I: PR: EML 3500, EML 3701 and EML 3303C, CR: EML 4312C, EML 4991. Application of the design process in the team project of a state-of-the-art project. Aeropace, mechanical, thermo-fluid, or material problems are considered. Fall, Spring.

EML 4502C ECS-MMAE 3(1,6) Engineering Design II: PR: EML 4501C, EML 4991. Continuation of the design process in the team building and testing of a prototype. A test plan and test report are completed. Fall, Spring. M&S fee $60.00

EML 4535C ECS-MMAE 3(2,3) CAD/CAM: PR: ESM 3343, EML 3343C, and EML 3601; CR EAS 4200 or EML 3500. CAD/CAM/FEM computational technology. Basic concepts. Concurrent engineering approach to mechanical, thermal, and aerospace systems design and analysis. Use of in-house software. Fall, Spring.

EML 4600 ECS-MMAE 3(3,0) HVAC Systems Engineering: PR: EML 3343; CR: EML 3701, EML 3101. Heating, ventilation, air-conditioning, and refrigeration principles and systems design. Psychrometrics, heating and cooling loads, equipment and components, and distribution systems. Fall.

EML 4602 ECS-MMAE 3(3,0) Applied HVAC Engineering: PR: EML 4600; CR: EML 4142. Applications of HVAC systems design with the objective of optimizing energy efficiency, indoor, air quality. Dehumidification performance of the various HVAC systems types and their interactions with the building. Spring.
EML 4703 ECS-MMAE 3(3,0) Fluid Mechanics II: PR: EML 3701. Continuation of Fluid Mechanics I. Analysis of fluid machinery, compressible flows, design projects. Fall.

EML 4804C ECS-MMAE 3(2,3) Control Design in Mechatronics: PR: EML 4312C and EML 3303C. Discrete microprocessor control of mechatronic dynamic systems using state-space representation, digital control design for mechatronic applications. Spring. M&S fee $15.00.

EML 4991 ECS-MMAE 0(0,0) Mechanical Career and Academic Faculty Advising II: PR: EML 3990; CR: EML 4312C. Mandatory meeting with students and their faculty advisor for career/academic advising. Graded S/U. Fall, Spring.

EML 5026C ECS-MMAE 3(2,2) Advanced Engineering Design Practicum: PR: EGM 3601; CR: (EML 3500 or EAS 4200) and (EML 4220 or EAS 4210). Designed to familiarize students with the basic CAD/CAM solid modeling techniques in a project-oriented environment. Construct part models, drawings, and assemblies. Use of in-house software. Fall, Spring.


EML 5105 ECS-MMAE 3(3,0) Gas Kinetics and Statistical Thermodynamics: PR: EAS 4154 or EML 4703. Molecular and statistical view of gases and gaseous media, Boltzmann collision integral, partition functions, non-equilibrium flows. Applications in thermo-fluid systems. Occasional.


EML 5211 ECS-MMAE 3(3,0) Continuum Mechanics: PR: EML 3500 or EML 4703 or EAS 4012 or C.I. Introduction to tensors; deformation and stress; balance laws, applications in Newtonian fluid dynamics and isotropic linear elasticity. Fall.

EML 5224 ECS-MMAE 3(3,0) Acoustics: PR: EML 4220. CR: EML 5060. Elements of vibration theory and wave motion; radiation, reflection, absorption, and transmission of acoustic waves; architectural acoustics; control and abatement of environmental noise pollution; transducers. Occasional.


EML 5245 ECS-MMAE 3(3,0) Tribology: PR: EGN 3365, EGN 3331 and EML 3701. Principles of film lubrication (fluid and gas, journal and thrust bearings), contact mechanics (rolling element bearings), design of bearings and load bearing surfaces, friction and wear of materials, tribology. Fall.


EML 5291 ECS-MMAE 3(3,0) MEMS Materials: PR: EML 3500, EML 3211, or C.I. Introduction of materials that are frequently used for MEMS applications such as silicon, metal, ceramics and polymers. The course will focus on fundamental principles involved in structures and processes of MEMS materials, and their applications in MEMS. Even Spring.

EML 5292 ECS-MMAE 3(3,0) System Control: PR: EML 5122C; CR: EML 5060. Modern control theory for linear and non-linear systems; controllability and observability. Linear state feedback and state estimators, compensator design. Occasional.

EML 5402 ECS-MMAE 3(3,0) Turbomachinery: PR: EML 3101, EML 4703 or EAS 4134. Application of the principles of fluid mechanics, thermodynamics, and aerodynamics to the design and analysis of steam and gas turbines, compressors, and pumps. Occasional.

EML 5403C ECS-MMAE 3(3,1) Science and Technology of Fuel Cells: PR: EGN 3265, EML 4142 or C.I. Science and technology of fuel cells, along with hands-on experience with design, manufacturing and operation of fuel cells. Occasional. M&S fee $45.00.

EML 5456 ECS-MMAE 3(3,0) Turbines for Sustainable Power: PR: EGM 3601, (EML 3065 or EML 3701) or (EML 4701 or EGS 3101); CR: (EML 4220 or EAS 4210). EML 4142. Transdisciplinary aspects of turbine design for sustainable power generation including aerodynamics to combustion and emissions to reliability; covers multiple applications of conventional and green technology. Fall.

EML 5523C ECS-MMAE 3(2,3) Computer-Aided Design for Manufacture: PR: EGN 4535C. Builds on introductory material covered in EML 4530C. Topics include computer modeling for the synthesis, simulation, and optimization of mechanical, thermal, and aerospace systems. Even Fall, Spring. M&S fee $15.00.


EML 5578C 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. Odd Fall.

EML 5588C ECS-MMAE 3(2,3) Mechanics of Biostructures II: PR: EML 4142C. 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. Odd Fall.

EML 5605 ECS-MMAE 3(3,0) HVAC Systems Engineering: PR: EGM 3343; CR: EML 3701 or EAS 4210, and EML 3101. Heating, ventilation, air conditioning and refrigeration principles, system design and analysis. Fall.

EML 5713 ECS-MMAE 3(3,0) Elementary Fluid Mechanics: PR: EML 4142C; CR: EML 5060. Fluid kinematics; conservation equations; Navier-Stokes equations; boundary layer flow; inviscid flow, circulation and vorticity; low Reynolds number flow; turbulence. Occasional.


EMR 4362 ED-CFCS 4(4,0) Teaching Students with Mental Handicaps: PR: EEX 2010. Relationship between the characteristics of students with mental handicaps and specialized instructional materials, strategies and curriculum. Occasional.

EMR 4372 ED-CFCS 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-WRITE 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-WRITE 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-WRITE 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. Emphasizes on developing critical thinking and diversity of perspective. The "NC" grading policy applies to this course. Fall, Spring.
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 informal and formal reports in various disciplines. Occasional.

ENC 4354 CAH-WRITE 3(3,0) Community Based Research and Writing: PR: Grade of "C" (2.0) or better required in ENC 1102. The study, action, and assessment of community-based research and writing using various methods, including intercultural inquiry. 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. 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 4374 CAH-WRITE 3(3,0) Gendered Rhetorics: PR: Grade of "C" (2.0) or better required in ENC 1102. Historical and theoretical study of gendered rhetorical practices, with emphasis on women rhetors. Occasional.

ENC 4414 CAH-WRITE 3(3,0) Writing and Hypertext: PR: Grade of C (2.0) or better required in ENC 1102. This online course explores the development of digital/rhetorical rhetorics through a close reading and analysis of formative rhetorical texts, modern American fiction and films. Fall, Spring.

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 course explores the development of digital/rhetorical rhetorics through a close reading and analysis of formative rhetorical texts, modern American fiction and films. Fall, Spring.

ENC 4416 CAH-WRITE 3(3,0) Writing in Digital Environments: PR: Grade of "C" (2.0) or better required in ENC 1102. Study and practice of new media/Internet writing and publishing, covering a range of online and multimedia genres. Occasional.

ENC 4504 CAH-WRITE 3(3,0) Contemporary Composition Theory: PR: Grade of "C" (2.0) or better required in ENC 1102. Consideration of major theoretical paradigms and more emergent theoretical explorations in modern and contemporary composition studies. Occasional.

ENC 4523 CAH-WRITE 3(3,0) Writing and Identity: PR: Grade of "C" (2.0) or better required in ENC 1102. Explores the role of identity in writing, particularly negotiating gender, race, class, sexual identity and other difference issues. Occasional.

ENC 4544 CAH-WRITE 3(3,0) Writing Pedagogy: PR: Grade of "C" (2.0) or better required in ENC 1102. Overview of pedagogical issues and strategies related to the teaching of writing, with focus on college-level writing. Occasional.

ENC 5225 CAH-ENG 3(3,0) Theory and Practice of Document Usability: PR: Graduate status or senior standing or C.I. Presents theory and practice of how document usability is assessed and improved. Occasional.

ENC 5237 CAH-ENG 3(3,0) Writing for the Business Professional: PR: Graduate status or senior standing or C.I. A study of the major document designs for professionals in business, focusing on audience, purpose, style, arrangements, and content. Fall, Spring.

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 5337 CAH-ENG 3(3,0) Rhetorical Theory: PR: Graduate standing or C.I. Overview of theory and history of classical and modern rhetorical theory and rhetorical instruction. Fall.

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 standing 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 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 profession, 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. Students will evaluate the quality of fiction and poetry through the development of a personal vocabulary. Fall, Spring.

ENG 3014 CAH-ENG 3(3,0) Theories and Techniques of Literature Study: PR: Junior standing, or C.I. and C.C. or better required in ENC 1102. Techniques of analysis, theories of interpretation, and application of critical approaches to selected works. Fall, Spring.

ENG 3070 CAH-ENG Cultural Studies Literature I: PR: Grade of C (2.0) or better required in ENC 1102. The theoretical and cultural developments over time that call for broadening the applications of literary analysis to produce "cultural studies." Occasional.

ENG 4114 CAH-ENG 3(3,0) Literature and Film: PR: Grade of C (2.0) or better required in ENC 3014. The differences in emphasis, medium, and genre in selected novels and their film adaptations. Occasional.

ENG 4614 CAH-ENG 3(3,0) Discourse of Global Cultural Studies: PR: ENG 3014. American popular culture texts in world context, using concepts and theories from global cultural studies to analyze transmission, translation, and appropriation. Occasional.

ENG 5009 CAH-ENG 3(3,0) Methods of Bibliographic Research: PR: Graduate status or senior standing or C.I. Bibliographic, library and systematic approaches to research at the graduate level in language and literature. Fall.

ENG 5012 CAH-ENG 3(3,0) English Literature I: PR: Grade of C (2.0) or better required in ENC 1102. Beowulf to 1798. Fall, Spring.

ENG 5022 CAH-ENG 3(3,0) English Literature II: PR: Grade of C (2.0) or better required in ENC 1102. From 1798 to 1914. Fall, Spring.

ENG 5321 CAH-ENG 3(3,0) Restoration Literature: PR: Grade of C or better in ENC 1102. This course surveys the poetry, drama, and prose written during the Restoration era (1660-1700) and the social, historical, and political contexts. Occasional.

ENG 5326 CAH-ENG 3(3,0) Gothic Literature: PR: Grade of C or better required in ENC 1102. Study of Gothic literature (prose, poetry, drama) in the British Isles and its cultural contexts. Occasional.

ENG 5365 CAH-ENG 3(3,0) Black British Literature: PR: Grade of C or better required in ENC 1102. Study of literature written inside the UK by authors of African, South Asian, and Caribbean lineage. Occasional.

ENL 3951 CAH-ENG 3(3,0) Orlando Shakespeare Festival: PR: ENC 1102. Involvement in theory and practice of Shakespeare’s art by performance-oriented study and participation in the Orlando Shakespeare Festival’s pre-season activities and productions. Occasional.

ENL 3951H CAH-ENG 3(3,0) Orlando Shakespeare Festival Honors: PR: ENC 1102 and permission of Honors. Honors theory and practice of Shakespeare’s art by performance-oriented study and participation in the Orlando Shakespeare Festival’s pre-season activities and productions. Occasional.

ENL 4101 CAH-ENG 3(3,0) English Novel: PR: Grade of C (2.0) or better required in ENC 3014. Analysis of major English novelists. Occasional.

ENL 4220 CAH-ENG 3(3,0) Literature and Film: PR: Grade of C (2.0) or better required in ENC 3014. The course will examine selected poetry and prose of Wyatt, Surrey, Sidney, Spenser, Marlowe, Raleigh, Daniel, Shakespeare, Chapman, Lyly & others. Occasional.

ENL 4230 CAH-ENG 3(3,0) 18th Century Studies: PR: Grade of C (2.0) or better required in ENC 3014. Reading, analysis, and discussion of literature in English: 1660-1800. May be repeated for credit. Occasional.

ENL 4240 CAH-ENG 3(3,0) English Romantic Writers: PR: Grade of C (2.0) or better required in ENC 3014. Study of English poets and essayists of the romantic period, such as Wordsworth, Coleridge, Hazlitt, Lamb, Byron, Shelley and Keats. Occasional.

ENL 4253 CAH-ENG 3(3,0) The Victorian Age: Poetry: PR: Grade of C (2.0) or better required in ENC 3014. Poets of the Victorian period, including Tennyson, the Brownings, Arnold, Hopkins, the Rossetti, and Emily Bronte. Occasional.

ENL 4262 CAH-ENG 3(3,0) Nineteenth Century British Prose: PR: Grade of C (2.0) or better required in ENC 3014. Essays and fiction of the nineteenth century. Occasional.

ENL 4273 CAH-ENG 3(3,0) Modern British Literature: PR: Grade of C (2.0) or better required in ENC 3014. Major writers of modern British literature. Occasional.

ENL 4303 CAH-ENG 3(3,0) British Authors: PR: ENC 3014. Study of the works of a single British author. May be used in the degree program a maximum of 2 times only when course content is different. Occasional.

ENL 4311 CAH-ENG 3(3,0) Chaucer: PR: Grade of C (2.0) or better required in ENC 3014. The Canterbury Tales, Troilus and Criseyde, and other works. Occasional.

ENL 4333 CAH-ENG 3(3,0) Shakespeare Studies: PR: Grade of C (2.0) or better required in ENC 3014. Reading, analysis, and discussion of Shakespeare’s plays. May be repeated for credit. Occasional.

ENL 4341 CAH-ENG 3(3,0) Milton and His Age: PR: Grade of C (2.0) or better required in ENC 3014. Paradise Lost, Paradise Regained, Samson Agonistes, shorter poems and selected prose. Occasional.

ENL 5006 CAH-ENG 3(3,0) British Literature: Medieval to Modern: PR: Graduate status or senior standing or C.I. Survey of British Literature from beginnings to present, with instruction in the fundamentals of prose, poetry, and drama. Emphasis on Literature’s social and historical contexts. Occasional.

ENL 5237 CAH-ENG 3(3,0) Eighteenth Century Studies: PR: Graduate status or senior standing or C.I. Reading, analysis, and discussion of literature in English: 1660-1880. Occasional.
ENL 5250 CAH-ENG 3(3,0) The Victorian Age: Poetry: PR: Graduate status or senior standing or C.I. A study of the major prose works and selected poetry of British Victorian writers. Occasional.

ENV 5256 CAH-ENG 3(3,0) Victorian Literature: PR: Graduate status or senior standing or C.I. A selection of representative plays, with emphasis on Shakespeare’s development as an artist: aesthetics of dramatic literature. Occasional.

ENL 5335 CAH-ENG 3(3,0) Studies in Shakespeare: PR: Graduate status or senior standing or C.I. A selection of representative plays, with emphasis on Shakespeare’s development as an artist: aesthetics of dramatic literature. Occasional.


ENV 3001 ECS-CECE 3(3,0) Introduction to Environmental Engineering: PR: MAC 2311 and CHM 2045 or CHS 1440 both with a grade of “C” (2.0) or better. Introduction to concepts and terminology of environmental engineering. Stresses material and energy balances. Covers air, water, and land pollution. Fall, Spring.

ENV 4112C ECS-CECE 3(2,2) Air Pollution: Emphasis on classical and recent theories and computational methods for air pollution modeling and public policy implications of air quality data. Emphasis is placed on applications to EPA methods. Occasional.

ENV 4120 ECS-CECE 3(3,0) Air Pollution Control: PR: CHM 2046, EGN 3343, CWR 3201 and ENV 3001 all with a grade of “C” (2.0) or better. An introduction to the engineering design, planning, and analysis problems associated with the control of air pollution. Covers air quality, emission regulations, and control systems. Spring. M&S fee $15.00.

ENV 4300C ECS-CECE 3(2,2) Solid Waste Facility Design: PR: ENV 4341 with grade of “C” (2.0) or better and department consent. Project course on design of a municipal solid waste landfill. Occasional.

ENV 4341 ECS-CECE 3(3,0) Solid & Hazardous Waste Management: PR: CHM 2046 and ENV 3001 both with a grade of “C” (2.0) or better. Engineering design, planning, and analysis of solid and hazardous waste management systems. Emphasis on waste characterization to determine site properties, contamination type, magnitude and risk, and remedial actions. Occasional.

ENV 5334 ECS-CECE 3(3,0) Characterization of Hazardous Waste Sites: PR: CWR 3201 or ENV 4341. Practical and comprehensive methods of hazardous waste site characterization to determine site properties, contamination type, magnitude and risk, and remedial actions. Occasional.

ENV 5335 ECS-CECE 3(3,0) Hazardous Waste Management: PR: ENV 3001 or C.I. Engineering planning and analysis associated with generation, handling, storage, treatment, transportation, and disposal of hazardous wastes. Occasional.

ENV 5535 ECS-CECE 4(4,0) 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.

ENV 5540 ECS-CECE 3(3,0) Drinking Water Treatment: PR: ENV 4501. Drinking water treatment using existing and newly developed processes. Fe, Mn, As, NO3, DBP3, SOCs and other contaminants using oxidation, membranes, ion exchange, precipitation, sorption, and other processes. Occasional.


ENV 5563 ECS-CECE 3(3,0) Environmental and Water Resources Systems Analysis: PR: ENV 3001 or C.I. Discussion of environmental and water resources systems with emphasis on cost-effectiveness, pollution prevention, and sustainability to aid in environmental engineering decision-making. Occasional.

ENV 5636 ECS-CECE 3(3,0) Environmental Engineering Water Treatment Design: PR: EES 4111C, ENV 4531 both with grades of “C” (2.0) or better and department consent. Project course in advanced municipal and industrial wastewater treatment design with emphasis on teamwork to complete the design process. Occasional.

ENV 5639 ECS-CECE 3(2,2) Environmental Engineering Water Treatment Design: PR: EES 4111C, ENV 4531 both with grades of “C” (2.0) or better and department consent. Project course in advanced municipal and industrial wastewater treatment design with emphasis on teamwork to complete the design process. Occasional.

ENV 5651 ECS-CECE 3(3,0) Environmental Engineering Operations & Processes I: PR: ENV 3001, CWR 3201 both with a minimum grade of “C” (2.0) or better. Advanced water and wastewater treatment design considerations with effluent and sludge handling, treatment, and disposal. Fall, Spring.

ENV 5656 ECS-CECE 3(3,0) Environmental Engineering Operations & Processes II: PR: CHM 2046 and ENV 4531 both with a minimum grade of “C” (2.0) or better. Advanced water and wastewater treatment including biological nutrient removal and desalination. Fall, Spring.

ENY 4004C COS-BIOL 4(2,6) General Entomology: PR: BSC 2100C and BSC 2111C, or C.I. Morphology, physiology, taxonomy, behavior, ecology, and sociological factors which may contribute to delayed learning or physical impairments in the exceptional populations. Physical interventions and first-aid practices are examined. Occasional.


ESE 4942 ED-TL&L 1(1,0) Internship II Seminar: PR: Internship I in the specific discipline; CR: Internship II in the specific discipline. Culminating seminar emphasizing current classroom management and assessment issues, as they relate to teaching in the secondary grades. Fall, Spring.


ESE 4234 ECS-IEMS 3(3,0) Quality Engineering: PR: STA 3032. Basic concepts and techniques of quality control; applications of statistics in industrial research; design of quality assurance systems; reliability engineering. Fall.

ESE 4312 ECS-IEMS 3(3,0) Operations Research: PR: STA 3032. Introduction to linear, non-linear, and dynamic programming. Decision analysis, random processes, and queueing. Course covers theory through application and implementation of results. Fall.

ESE 4321 ECS-IEMS 3(3,0) Quantitative Techniques in Industrial Engineering: PR: ESI 4312. Extension of ESI 4312, with primary emphasis on Operations Research and statistical applications to industrial engineering problems. Even Fall.

ESE 4523C ECS-IEMS 3(2,3) Systems Simulation: PR: STA 3032 or C.I. Methods and procedures for simulating large-scale systems with digital computers. High level simulation languages are used. Spring.

ESE 4628C ECS-IEMS 3(2,3) Industrial Engineering Applications of Computers: PR: ENV 3001 or C.I. Survey of micromach-
the literature review process to the investigation, modeling, and simulation. Discrete Systems Simulation: Course covers linear and nonlinear optimization applications and controlling, production, sales, and service. Operational Research Methods: PR: Graduate standing. Techniques for performing discrete systems simulation, including network modeling, will be treated. Spring.


ETTI 4186 ECS-ECS 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.

ETTI 4448 ECS-ECS 3(3,0) Applied Project Management: PR: Junior Standing. Statement of work, activity decisions, timelines, scheduling, and resource allocation methods. Techniques will be appropriate for large and small projects within commercial, academic, or non-profit organizations. Spring.

ETTI 4635 ECS-ECS 3(3,0) Technical Administration: PR: Junior Standing. Techniques of applying management principles to professional positions held by Engineering Technologists. Management functions of planning, organizing, motivating, and controlling, production, sales, and service. Fall, Spring.

ETTI 4640 ECS-ECS 3(3,0) Operations Management for Technologists: PR: ETI 4635. Scheduling techniques (PERT, CPM), are presented. Time Study Methods, Work Sampling and MTM are covered. Fall.


EUH 3124 CAH-HIST 3(3,0) The Crusades: PR: EUH 2000 and EUH 2001, or C.I. The phenomenon of crusading in medieval Europe and the Middle East, including theories of “just war” and jihad. Even Spring.

EUH 3325 CAH-HIST 3(3,0) Romanticism and Realism: PR: EUH 2000 and 2001 or C.I. Napoleon and nationalism; new ideas; conservatism; liberalism, romanticism, republicanism and socialism; urbanization, technology and mass culture; reaction to decline; Realpolitik, racism, imperialism, and militarism. Occasional.

EUH 3328 CAH-HIST 3(3,0) World War I and the Weimar Republic: PR: EUH 2000 and EUH 2001 or C.I. The history of modern Spain from its origins of national unification through the post-World War II era. Occasional.

EUH 3330 CAH-HIST 3(3,0) History of Modern Spain: PR: EUH 2000 and 2001 or C.I. The history of modern Spain from its origins of national unification through the post-World War II era. Occasional.


EUH 3450 CAH-HIST 3(3,0) English History to 1485: PR: EUH 2000 and 2001 or C.I. Occasional.

EUH 3536 CAH-HIST 3(3,0) Early Modern Ireland: PR: EUH 2000 and EUH 2001 or C.I. Ireland’s historical and cultural development from 1670 to 1800. Occasional.


EUH 3651 CAH-HIST 3(3,0) War and Society: PR: C.I. The Cold War from the homefront perspective addressing both sides of the Iron Curtain. Occasional.


EUH 4284 CAH-HIST 3(3,0) Fascism and Nazism in the Interwar Europe: PR: EUH 2000 and 2001. Fascist and Nazi movements in interwar Europe, mostly Italy and Germany. Origin, development, seizure of power, system of government, ideology, domestic and foreign policies, resistance to these movements. Occasional.


EUH 4426 CAH-HIST 3(3,0) Sex and Gender in Antiquity: PR: EUH 2000 or WOH 2012. Examines the concepts of sex and gender in Greek and Roman societies and their impact on modern society. Occasional.

EUH 4465 CAH-HIST 3(3,0) History of the Third Reich: PR: EUH 2000 and 2001 or C.I. German nationalism and militarism, World War I and Versailles Treaty; the Weimar Republic and the rise of the Nazis; Second World War, division and recovery. Occasional.

EUH 4500 CAH-HIST 3(3,0) Romanticism and Realism: PR: EUH 2000 and 2001 or C.I. Occasional.

EUH 4501 CAH-HIST 3(3,0) English History: 1485-1815: PR: EUH 2000 and 2001 or C.I. Occasional.

EUH 4502 CAH-HIST 3(3,0) British History: 1815-Present: PR: EUH 2000 and 2001 or C.I. Occasional.

EUH 4571 CAH-HIST 3(3,0) History of Russia to 1801: PR: EUH 2000 and 2001 or C.I. Czarist State; Mongol Yoke; Development of Muscovite Expansionism and Absolutism; Time of Troubles; Westernization of Russia under Peter I and Catherine; Role of Orthodox Church. Occasional.

EUH 4574 CAH-HIST 3(3,0) History of Russia: 1801-1917: PR: EUH 2000 and 2001 or C.I. Alexander I; Napoleon’s Invasion; Revolutionary Movement; Russian Policy toward Central Asia and China; Great Reforms; Russo-Japanese War; Revolution of 1905; Constitutional Period; Triple Entente. Occasional.


EUH 4582 CAH-HIST 3(3,0) 20th Century Russian Diplomatic History: PR: C.I. Russian diplomatic history from the signing of the Entente Cordiale to the aftermath of the Cold War. Occasional.

EUH 4610 CAH-HIST 3(3,0) Women in European Society: From Medieval to Modern: PR: Junior standing or C.I. This course examines the changing situation of women in Europe from the Middle Ages to the twentieth century. Occasional.
UCF Courses and Descriptions

EUH 4610H CAH-HIST 3(3,0)
Honors Women in European Society: PR: GEHP Honors completion or permission of Honors. Interdisciplinary approach to the changing situation of women in Europe across space and over time with honors-level content. Occasional.

EUH 4620 CAH-HIST 3(3,0)
European Great Powers: 1815-1914: PR: EUH 2000 and EUH 2001 or the Congress of Vienna, Mehemlin's basic System Crimean War, unifications of Italy & Germany, the Bismarckian era, the alliance systems, and the outbreak of World War I. Occasional.

EUH 4663 CAH-HIST 3(3,0)

EUH 4674 CAH-HIST 3(3,0)

EUH 4674H CAH-HIST 3(3,0)
Honors Sports & Society in the Ancient World: PR: GEHP Honors completion or permission of Honors. Interdisciplinary approach to comparing the original Olympic games and other ancient athletic spectacles with their modern counterparts with honors-level content. Occasional.

EUH 5247 CAH-HIST 3(3,0)
Colloquium in Europe from 1919-1939: PR: Graduate status or senior standing or C.I. Reading and class discussion of the literature on selected topics in European history between 1919 and 1939. Occasional.

EUH 5285 CAH-HIST 3(3,0)
Colloquium in French History: PR: Graduate status or senior standing or C.I. Reading and class discussion of the literature on selected topics in French History. May be used in the degree program a maximum of 2 times only when course content is different. Occasional.

EUH 5295 CAH-HIST 3(3,0)
Colloquium in Czarist Russia: PR: Graduate status or senior standing or C.I. Selected topics on the literature of Russia under the Czars prior to 1917. Occasional.

EUH 5508 CAH-HIST 3(3,0)
Colloquium European Intellectual History: PR: Graduate status or senior standing or C.I. Reading and class discussion of the literature on selected topics of European intellectual history. Occasional.

EVR 5930 CAH-BIOL 1(1,0)
Seminar in Conservation Issues: PR: Graduate status or senior standing or C.I. Contemporary topics stressing a broad base of conservation issues will be the focus of this seminar series. May be repeated for credit only when course content is different. Occasional.

EXP 2204C COS-PSYCH 3(3,2)

EXP 3250 COS-PSYCH 3(3,0)

EXP 3304C COS-PSYCH 3(3,2)

EXP 3304C COS-PSYCH 3(3,2)

EXP 3604C COS-PSYCH 4(3,2)

EXP 4507C COS-PSYCH 3(1,4)
Advanced Human Memory and Cognition: PR: PSY 3213C, EXP 3604C. In-depth coverage of experimental research on human memory and cognition. Occasional. M&S fee $15.00

EXP 5208 COS-PSYCH 3(3,0)
Sensation and Perception: PR: Graduate status or senior standing or C.I. A study involving human information processing with regard to physical and psychological variables in sensory and perceptual phenomena. Odd Spring.

EXP 5254 COS-PSYCH 3(3,0)
Human Factors and Aging: PR: Graduate status or senior standing or C.I. An overview of issues related to enhancing quality of life for elderly through the implementation of basic human factors principles in environmental and task design. Even Fall.

EXP 5256 COS-PSYCH 3(3,0)
Human Factors I: PR: Graduate status or senior standing or C.I. Survey of human factors literature. Introduction to topics including human capabilities and human interfaces with human-machine systems. Fall, Spring.

EXP 5445 COS-PSYCH 3(3,0)
Psychology of Learning and Motivation: PR: DEP 5057, and graduate status or senior standing or C.I. Examination of theories and research concerning the acquisition and retention of behavior, as well as the role of motivational factors which influence learning and behavior. Occasional.

FIL 1000 CAH-FILM 3(3,0)
Cinema Survey: Introductory course that focuses on different approaches to studying cinema. Fall, Spring.

FIL 1000H CAH-FILM 3(3,0)
Honors Cinema Survey: PR: Permission of Honors. Introductory course that focuses on different approaches to studying cinema. Honors-level content. Fall, Spring.

FIL 1007 CAH-FILM 3(3,0)
Foundations of Story: PR: Digital Media or Cinema Studies major, or Cinema Studies minor. Analysis of dramatic and cinematic narrative structures, both plot and character, from historical and cultural perspectives. Fall, Spring.

FIL 1008 CAH-FILM 3(3,0)
Cinematic Expression/Aesthetics: PR: Digital Media or Cinema Studies major. Analysis and practice of aesthetic principles essential in filmmaking, including composition, moving graphics, image design, lighting styles. Fall, Spring. M&S fee $0.00

FIL 1424 CAH-FILM 3(3,0)
Film Production Tools: Basic tools of filmmaking, including digital video cameras, 16 mm cameras, basic lighting equipment, non-linear editing equipment, sound recording and mixing, laboratory processing, and digital post-production. Occasional.

FIL 2030 CAH-FILM 3(2,2)
History of Motion Pictures: The history of motion pictures as art and industry, from 1895 to the present. Fall, Spring. M&S fee $0.00

FIL 2107 CAH-FILM 3(3,0)
Script Analysis: PR: or CR: ENC 1101 and FIL 1007. Introduction to dramatic and visual storytelling techniques used in both traditional and non-traditional filmmaking and screenwriting. Fall, Spring.

FIL 2423 CAH-FILM 3(3,0)
Foundations of Production: PR: Digital Media or Cinema Studies major, or Cinema Studies minor. Basic production techniques used in film making. Students must supply their own video equipment and editing equipment. Any format is acceptable. Fall, Spring.

FIL 2461 CAH-FILM 3(3,0)

FIL 2480 CAH-FILM 3(3,0)
Directing for Film I: PR: FIL 1007, FIL 1008, and FIL 3427C or CR: FIL 3115. Introduction to processes and techniques for film directing. Spring.

FIL 2481 CAH-FILM 3(3,0)
Directing the Actor for Film I: PR: Film BFA or World Cinema major. Developing an ability to direct and work with film actors effectively, using various acting and directing techniques. Spring.

FIL 2552 CAH-FILM 3(3,0)
Editing I: PR: FIL 1008 and FIL 3427C. PR or CR: FIL 3115. Basic editing concepts and techniques, using non-linear editing systems. Spring. M&S fee $5.00

FIL 3006 CAH-FILM 3(3,0)
Art of the Cinema: PR: FIL 2030. An analysis of basic elements of cinematic style including film direction, editing, cinematography, art direction and sound. Fall, Spring. M&S fee $5.00

FIL 3035C CAH-FILM 3(3,1)
Film Histories II: PR: FIL 2030. Surveys and questions historical approaches to film and seeks to open up the field of historical enquiry to a variety of views. Fall.

FIL 3036 CAH-FILM 3(3,0)
Film History I: PR: FIL 2030, FIL 2107 and Film BFA, World Cinema, or Cinema Studies major. Examines film history in a depth of detail and with rigor that is appropriate for majors in the subject. This course covers cinema history from 1895 to 1945. Fall.

FIL 3037 CAH-FILM 3(3,0)
Film History II: PR: FIL 2030, FIL 2107 and Film BFA, World Cinema, or Cinema Studies major. Film history in a depth of detail and with rigor that is appropriate for majors in the subject. This course covers from 1946 to the present. Spring.

FIL 3041 CAH-FILM 3(3,0)
History of Animated Films I: PR: Cinema Studies, Art, Animation or Digital Media major. Evolution of animation from its roots in Art, Theatre, and Novelty Inventions to its rise as a cinematic force of popular storytelling. Even Fall.

FIL 3051 CAH-FILM 3(3,0)
<table>
<thead>
<tr>
<th>Course Code</th>
<th>3(3,1)</th>
<th>Course Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIL 3070C</td>
<td>Cinema in the 1920s:</td>
<td>PR: FIL 3035C. Films of the 1920s as they pertain to the political, social, cultural, and artistic context of the period. Occasional.</td>
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<tr>
<td>FIL 3071C</td>
<td>Cinema in the 1930s:</td>
<td>PR: FIL 3035C. Films of the 1930s as they pertain to the political, social, cultural, and artistic context of the period. Occasional.</td>
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<tr>
<td>FIL 3072C</td>
<td>Cinema in the 1940s and 1950s:</td>
<td>PR: FIL 3035C. Films of the 1940s and 1950s as they pertain to the political, social, cultural, and artistic context of the period. Occasional.</td>
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<tr>
<td>FIL 3073C</td>
<td>Cinema in the 1960s and 1970s:</td>
<td>PR: FIL 3035C. Films of the 1960s and 1970s as they pertain to the political, social, cultural, and artistic context of the period. Occasional.</td>
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<tr>
<td>FIL 3074C</td>
<td>Cinema 1980s to the Present:</td>
<td>PR: FIL 3035C. Films from the 1980s onward as they pertain to the political, social, cultural, and artistic context of the period. Occasional.</td>
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<tr>
<td>FIL 3075C</td>
<td>Film and Modernism I:</td>
<td>PR: FIL 3035C and ARH 2030. Film and film to film and modernism centered on key common practices such as collage, projection, movement, serialization, superimposition, and simultaneity. Spring.</td>
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<tr>
<td>FIL 3076C</td>
<td>Film and Modernism II:</td>
<td>PR: FIL 3075C and ARH 2061. 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.</td>
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<tr>
<td>FIL 3102</td>
<td>Writing for Film and TV:</td>
<td>PR: Junior standing, ENC 1102, and FIL 1007. Theories and processes of screen writing for motion pictures and television. Students learn how to create stories and scripts for the entertainment marketplace. Fall, Spring.</td>
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<tr>
<td>FIL 3106C</td>
<td>Introduction to Scriptwriting:</td>
<td>PR: Film majors only. Rudiments of scriptwriting, including visual storytelling, story structure, character, dialogue, and introduction to scriptwriting software. Occasional.</td>
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<tr>
<td>FIL 3115</td>
<td>Short Script I:</td>
<td>PR: FIL 2107 and Film BFA or Cinema Studies 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.</td>
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<tr>
<td>FIL 3132</td>
<td>Short Script II:</td>
<td>PR: FIL 3115 and Film BFA or World Cinema major, or C.I. Advanced writing of short scripts in preparation for Capstone 1 and 2 courses. Spring.</td>
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<tr>
<td>FIL 3304C</td>
<td>Documentary Vision:</td>
<td>PR: FIL 3363C. Styles and approaches to documentary filmmaking, with emphasis on making short, personal films. Spring.</td>
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<tr>
<td>FIL 3307</td>
<td>Docoformat:</td>
<td>PR: FIL 2107 and Film 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.</td>
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<tr>
<td>FIL 3363C</td>
<td>Film Documentary:</td>
<td>PR: FIL 2030 and Film BFA or Cinema Studies major. The uses and analysis of the non-fiction film. Fall, Spring. M&amp;S fee $5.00</td>
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<tr>
<td>FIL 3379C</td>
<td>Advanced Documentary Production:</td>
<td>PR: FIL 3363C and FIL 3845. C.I. Principles and processes of advanced documentary production to capture on-going reality based situations. Occasional. M&amp;S fee $5.00</td>
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<tr>
<td>FIL 3427C</td>
<td>Introduction to Film Production:</td>
<td>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&amp;S fee $45.00</td>
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<tr>
<td>FIL 3455C</td>
<td>Film Landscapes:</td>
<td>Study of films of story, image, and production design. PR: FIL 2423 or FIL 2427C, and FIL 2030. The use of landscape in film and its importance to the art of production design. Occasional.</td>
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<tr>
<td>FIL 3462C</td>
<td>Cinematic Expression:</td>
<td>PR: FIL 3035C. Cinematography using video format; study of fundamentals of motion-picture communication, film structure and storytelling. Spring.</td>
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<tr>
<td>FIL 3483</td>
<td>Directing the Actor for Film II:</td>
<td>PR: FIL 2481. Characterization and scene study as it applies to directing the actor for film. Occasional.</td>
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<tr>
<td>FIL 3492C</td>
<td>Performance in Film:</td>
<td>PR: FIL 3035C. Study of the different traditions and forms of acting in film. Occasional.</td>
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<tr>
<td>FIL 3534</td>
<td>Sound Design for Film I:</td>
<td>PR: FIL 3247C and Film BFA or C.I. Technical and aesthetics aspects of sound and post-production sound recording, editing, and mixing for film. Fall.</td>
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<tr>
<td>FIL 3581</td>
<td>Film Production Technology Workshop:</td>
<td>PR: Restricted to film majors. Demonstrations and hands-on equipment workshops to understand and operate the tools of the filmmaking process. May be repeated for credit. Occasional.</td>
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<tr>
<td>FIL 3720C</td>
<td>Introduction to Animation:</td>
<td>PR: Animation majors only, and a satisfactory portfolio review or C.I. Introductory computer graphic techniques utilizing microcomputer systems. Techniques include basic paint systems, color cycling, and 2D animation. Fall, Spring. M&amp;S fee $45.00</td>
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<tr>
<td>FIL 3734C</td>
<td>Intermediate Animation:</td>
<td>PR: Animation majors only, FIL 3720C, and a satisfactory portfolio review or C.I. Focus on 3D computer modeling and animation systems. Hands-on exercises on the type of high-end animation systems used in the film industry. May be repeated for credit. Even Fall, Spring. M&amp;S fee $45.00</td>
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<tr>
<td>FIL 3803C</td>
<td>Film Theory and Criticism I:</td>
<td>PR: FIL 2107 and Film BFA, World Cinema, or Cinema Studies major. Major film theories to the Second World War period. Fall. M&amp;S fee $10.00</td>
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<tr>
<td>FIL 3804C</td>
<td>Film Theory and Criticism II:</td>
<td>PR: FIL 2107 and Film BFA or Cinema Studies major. Major film theories from Second World War period to present. Spring M&amp;S fee $10.00</td>
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<tr>
<td>FIL 3820</td>
<td>Italian Film:</td>
<td>This course attempts to stimulate and/or increase the interest of students in Italian cinema as an art form with the director playing the key role. Films by most outstanding Italian movie directors will be analyzed from a social, economic, and historical point of view. Occasional.</td>
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<td>FIL 3822</td>
<td>French Film:</td>
<td>The study of French cinema as an art form and the key role of the director. Films are analyzed from a structural, social, economical, and historical perspectives with attention to their relationship with French literature. Taught in English. Occasional.</td>
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<td>FIL 3823</td>
<td>German Film:</td>
<td>PR: C.I. Exploration of the form and content of German film during different time periods in relation to other aspects of culture and to sociopolitical structures at the time. Occasional.</td>
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<td>FIL 3824</td>
<td>Italian Neo-Realist Cinema:</td>
<td>PR: FIL 3036 or FIL 3037, or C.I. Post-World War II period of the Italian cinema, with emphasis on the work of Antonioni, Visconti, Paradisi, Fellini, and Rossellini. Occasional.</td>
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<tr>
<td>FIL 3826</td>
<td>American Cinema:</td>
<td>PR: Film BFA, World Cinema, or Cinema Studies major, or Cinema Studies minor. Lectures, film and forms designed to provide awareness of styles, images, and myths in cinema that influence or reflect our culture. Spring.</td>
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<tr>
<td>FIL 3841</td>
<td>French New Wave Cinema:</td>
<td>PR: FIL 3036 or FIL 3037, or C.I. Post-World War II period of the French cinema, emphasizing the work of Renoir, Bresson, Godard, Rohmer, Resnais, and Rivette. Occasional.</td>
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<tr>
<td>FIL 3842</td>
<td>International Cinema:</td>
<td>PR: or C.R. FIL 3036 and FIL 3037 and Film BFA, World Cinema, or Cinema Studies major. Post-World War II period of the international cinema, with emphasis on the cinemas of Europe and Asia. Occasional.</td>
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<tr>
<td>FIL 3845</td>
<td>World Cinema Traditions:</td>
<td>PR: or C.R. FIL 3036 or FIL 3037 and Film BFA, World Cinema, or Cinema Studies major. The relationship among film, history, and culture in selected Asian, African, Latin American, and Middle Eastern countries. Fall, Spring.</td>
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<tr>
<td>FIL 3847</td>
<td>Latin American Cinema:</td>
<td>PR: or C.R. FIL 3036 or FIL 3037 and Film BFA, World Cinema, or Cinema Studies major. Latin American films and film movements, historical and contemporary issues, social, and aesthetic concerns. Spring.</td>
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<tr>
<td>FIL 3850</td>
<td>Cinema Directors:</td>
<td>PR: FIL 3036C and Film BFA, World Cinema, or Cinema Studies major, or C.I. Intensive study of the work of selected film-makers using multiple modes of criticism and author analysis to examine films. Occasional.</td>
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<tr>
<td>FIL 3852</td>
<td>Cinema Criticism Writing:</td>
<td>PR: FIL 3036 or FIL 3037 and ENC 1102, FIL 2035, FIL 3863C. Modes of cinema criticism. Occasional.</td>
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<tr>
<td>FIL 3860C</td>
<td>The Shot, Framing, Point of View:</td>
<td>PR: FIL 3035C. Approaches to the shot, framing and point of view. Occasional.</td>
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</tbody>
</table>
FIL 4126C CAH-FILM 3(2,3) Feature/TV Writing II: PR: FIL 4162C. Advanced writing workshops, principles and methods of adaptation and reader's coverage. Spring.

FIL 4162C CAH-FILM 3(2,3) Feature/TV Writing I: PR: Film BFA, World Cinema, or Cinema Studies minor, or FIL 3115, or C.I. Writing workshop, examination of mythic storytelling, and ethics of scriptwriting. Fall.

FIL 4554C CAH-FILM 3(3,1) Non-Linear Editing: PR: Film major and FIL 3427C. Provide basic understanding of AVI editing system to edit assigned projects, give basic understanding of editorial styles and techniques in film storytelling. Occasional. M&S fee $45.00

FIL 4566C CAH-FILM 3(3,2) Editing II: PR: FIL 2274C. Theory, techniques and practices in picture editing. Fall. M&S fee $5.00

FIL 4573C CAH-FILM 3(3,1) Captions II: PR: FIL 4442C. Intensive tutorial guidance, instruction and evaluation of final film projects in post production. May be repeated for credit. Spring. M&S fee $5.00

FIL 4602 CAH-FILM 3(3,0) Film Business: PR: FIL 2423 or FIL 3427C and junior standing and Film BFA, World Cinema, or Cinema Studies major. This is a seminar course taught by a professional in the film industry which deals with issues relating to the organization and production of motion pictures. Spring.

FIL 4647 CAH-FILM 3(3,0) Film Production Management: PR: FIL 3427C or C.I. Production, budgeting, script breakdown, construction of production boards, scheduling, location scouting, and crew procurement. Spring.

FIL 4661 CAH-FILM 3(3,0) The Film Producer: PR: FIL 2423 of FIL 3427C and junior standing and Film BFA, World Cinema, or Cinema Studies major. The role of the producer is examined in the context of theatrical film. Spring.

FIL 4735C CAH-SVAD 3(2,4) Advanced Animation: PR: "C" or better in FIL 3743C and a satisfactory portfolio review or C.I. Advanced 3D modeling and animation techniques. Working in small production teams, students will create short animated segments using a high-end 3D animation system. May be repeated for credit. Fall, Odd Spring. M&S fee $45.00

FIL 4740C CAH-FILM 3(3,1) Film and Digitalization: PR: FIL 3035C. A study of the new possibilities offered to film and thinking about film by digitalization. Occasional.

FIL 4750W CAH-FILM 3(2,4) Animation Workshop: PR: Animation majors only, FIL 3720C, FIL 3743C, 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 storyboarding, budgets, client relations, and post-production. May be repeated for credit. Fall, Spring. M&S fee $45.00

FIL 4808 CAH-FILM 3(3,0) Images and Text in Context: PR: FIL 2420 or C.I. Motion graphics, the still image, and text in their cultural contexts. Occasional.

FIL 4830 CAH-FILM 3(3,0) Motion Picture Genre: PR: FIL 2420. Analysis and evaluation of films, including their major genres, directors, styles, and periods. Occasional. M&S fee $5.00


FIL 4863C CAH-FILM 3(3,1) Montage: PR: FIL 3035C and FIL 3076C. A study of montage primarily but not exclusively in film. Emphasizing the way montage constructs continuities and discontinuities. The course is theoretical with practical exercises. Fall.

FIL 4934C CAH-FILM 3(3,1) Current Problems in Film and Culture: PR: FIL 3035C. Concentration on the most recent work in film studies concerned with film in its relation to cultural issues. Occasional.

FIL 4935C CAH-FILM 3(3,1) Current Problems in Film Theory: PR: FIL 3035C. Concentration on most recent work in film studies concerned with film theory. Occasional.
FIN 3303 BA-FIN 3(3,0)
Financial Markets: PR: FIN 3403C; open to majors or minors who 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. ACG 2021 and ECO 2023. With the balance sheet as a reference point, this course provides an introduction and overview of the accounting, financing, and management of business assets. Fall, Spring.

FIN 4303H BA-FIN 4(4,0)
Business Finance - Honors: PR: Junior standing. ACG 2021 and ECO 2023. Open to University honors students and other students participating in the honors program. Same as FIN 3403C with honors level content. Occasional.

FIN 4314 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 4341 BA-FIN 3(3,0)

FIN 4354 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 4331 BA-FIN 3(3,0)
Management of Financial Institutions: PR: FIN 3303, 3403; open to majors or minors which require this course. Analysis of management policies of financial institutions, in particular, thrifts, and capital market. 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 operations 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 Management: PR: FIN 3414; open to majors or minors which require this course. A survey of advanced study in the financial management topics. Includes: credit management, financial structure, and capital decisions. Case studies used extensively. Occasional.

FIN 4453 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. Portfolio and capital market theory in the determination of rational investment policies. Risk analysis, portfolio analysis, and evaluation techniques. Fall, Spring.

FIN 4533 BA-FIN 3(3,0)
Financial 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 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 3403C; open to majors or minors which require this course. Analysis of the foreign financial markets 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 I: PR: Finance major, FIN 3414. FIN 4453. Project management in a collaborative, interdisciplinary team environment. Design and consulting projects in a major corporate. Part 1 of a two course sequence. Students must register for both semesters.

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 a 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. Grad SU, Fall, Spring.

FLE 3160 ED-TL&L 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-TL&L 2(2,0)
Technology in the Foreign Language classroom: PR: EME 2401, EDG 3423. 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-TL&L 3(3,0)
Foreign Language Teaching in Elementary Schools: Methods of planning and teaching foreign language at the elementary school. The emphasis is on teaching communicatively and on integrating culture in the K-6 classroom. Occasional.

FLE 4333 ED-TL&L 3(3,0)
Foreign Language Teaching in the Secondary School: PR: EDG 3423 and proficiency in the target language and English. Methods of teaching foreign languages at the secondary level within a communicative framework. Current instructional techniques in listening, speaking, reading, and writing, including, grammar. May be repeated for credit. Occasional.

FLE 5331 ED-TL&L 3(3,0)
Foreign Language Methods at the Secondary Level: PR: C.I., EDG 4323, or EDG 6226; or classroom teaching experience, and fluency in the target language and English. Methods of planning and teaching foreign language at the secondary level. The emphasis is on teaching communicatively and on integrating culture in the 6-12 classroom. May be used in the degree program a maximum of 2 times. Occasional.

FLE 5335 ED-TL&L 3(3,0)
Foreign Language Methods at the Elementary Level: PR: C.I. or FLE 4333 or FLE 5870, EDG 4323 or EDG 6226, and proficiency 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 5870 CAH-LANG 3(3,0)
Methods of Teaching Foreign Languages: PR: Graduate status or senior standing or C.I. This course introduces prominent theories and applied research in the field of second language acquisition. It also offers guidance in the practical matters of teaching lower division language courses at university and community college levels. Occasional.

FLE 5875 CAH-LANG 3(3,0)
Computer Application in Teaching Foreign Languages: PR: Graduate status or senior standing or C.I. Survey, analysis, and evaluation of computer software and Internet materials for teaching foreign languages. Occasional.
UCF Courses and Descriptions

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: Introduces the French civilization taught in the native environment. Fall, Spring.

FRE 2200 CAH-LANG 3(3,1) Intermediate French Language and Civilization I: PR: FRE 1121C or equivalent. Continuation of FRE 1120C. 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. Practice use 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 review of the structures of French for students who intend to take French literature courses. Fall.

FRE 3410 CAH-LANG 3(3,0) Advanced Oral French Abroad: PR: FRE 2200 or FRE 2201 or equivalent. Designed for students participating in the Study Abroad Program in France. Students will be immersed throughout the term speaking French. May be repeated for credit. Occasional.

FRE 3420 CAH-LANG 3(3,0) French Composition: PR: FRE 2201 or equivalent. Development of skills in composition. Fall.

FRE 3423 CAH-LANG 3(3,0) Advanced French Grammar Abroad: PR: FRE 2200, FRE 2201 or equivalent. Students will be immersed throughout the term applying grammatical concepts as they relate to written expression in order to enhance oral expression. May be repeated for credit. Occasional.

FRE 3440 CAH-LANG 3(3,0) Business French I: PR: Three semesters of French language. Introduction to 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 diction and pronunciation. 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 phonic groupings. Spring.

FRE 3954 CAH-LANG 6(6,0) Study Abroad in the Caribbean: PR: FRE 2201 or equivalent. Travel through Caribbean islands, studying the diversity within the Creole cultures. May be repeated for credit. Occasional.

FRE 4421 CAH-LANG 3(3,0) Advanced French Conversation: PR: FRE 3760. Advanced conversation on directed topics from various disciplines; literature, art, psychology, philosophy, music, business, and the sciences. Fall.

FRE 4422 CAH-LANG 3(3,0) Advanced French Composition: PR: FRE 3420. Readings and written imitations of modern literary styles in the form of themes, sketches, poems, and original stories. Spring.

FRE 4471 CAH-LANG 6(6,0) Advanced French Cultural Studies Abroad: PR: FRE 2201 or equivalent, or C.I. Students will develop strong conversational skills at the third year level while studying French culture abroad. May be repeated for credit. Occasional.


FRE 4503 CAH-LANG 2(2,0) Quebecois Civilization: PR: 2 years of college level French or equivalent. Explores ideas and history of 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. Intensive exercises in French pronunciation 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 France and its culture, with an 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 3810. Provides 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 19th century. Fall.

FRW 3101 CAH-LANG 3(3,0) Survey of French Literature II: PR: FRE 2201 or equivalent. Main literary currents and works of the 19th and 20th centuries. Spring.

FRW 3370 CAH-LANG 3(3,0) Short Stories of 18th, 19th and 20th Centuries: PR: FRE 2201 or equivalent. Selected readings designed to increase reading speed and develop analytical abilities. Authors include: Voltaire, Mauquoy, Flaubert, Camus, and others. Occasional.

FRW 3740 CAH-LANG 3(3,0) The French Literature of Canada: PR: FRE 2201 or equivalent. A survey of the French literature of Canada from the late 19th century to the present, with particular emphasis on the novels and short story. Occasional.

FRW 3752 CAH-LANG 3(3,0) French Caribbean Literature: PR: FRE 2201 or equivalent. Literature of the French speaking Caribbean from colonial times to the present, in French. Occasional.


FRW 3770 CAH-LANG 3(3,0) Francophone Literature: PR: FRE 2201. The literature of the Francophone world. Students will read, analyze and discuss literary works written in French. Even Spring.

FRW 3810 CAH-LANG 3(3,0) French Literary Texts and Analysis: PR: FRE 2201, French literature and culture survey of the Middle Ages to the present. Course is conducted in French. Fall, Spring.

FRW 4281 CAH-LANG 3(3,0) Contemporary French Novels: PR: FRE 3810 or equivalent. Contemporary French Novel. Will focus on post-war authors, both traditional and avant-garde, such as Beckett, Bataille, Buteux, Duras, and Saurel. Occasional.


FRW 4324 CAH-LANG 3(3,0) 20th Century French Drama: PR: FRE 3100 or equivalent. 20th century French theatre after World War II, with particular emphasis on the work of Beckett, Camus, Claudel, Claudel, Ionesco, and Sartre; different literary approaches will also be used. Occasional.


FRW 4440 CAH-LANG 3(3,0) French Literature of the Eighteenth Century: PR: FRE 3100. The philosophical movement Montesquieu, Voltaire, Diderot, Buffon. Odd Fall.


FRW 4820 CAH-LANG 3(3,0) Stylistics: PR: FRE 3420 or equivalent. An in-depth study of textual criticism. An examination of the relationship between language and literature; explications and linguistic analysis of literary texts. Occasional.

FSS 2211C RCHM-HOS 4(3,3) Techniques of Food Preparation: Basic principles of food preparation, service, and menu development. Fall. Spring. M&S fee $70.00.

FSS 2284C RCHM-FOODDL0G 4(3,3) Food Preparation for Catered Events: Basic principles of food preparation and menu development for catered events. Methods and procedures for on and off premise catered events. Occasional. M&S fee $70.00.

FSS 3008 RCHM-HOS 3(3,0) Culture and Cuisine: PR: FSS 2211C and FST 3263. The major historical and geographical developments that have affected the creation of the cuisines of the world. Spring. M&S fee $35.00.

FSS 3124 RCHM-HOS 3(3,0) Supply and Procurement Management: PR: FST 1000 and junior standing or C.I. The purchasing procedures, specifications, and controls of food and related products in the hospitality industry. Occasional. M&S fee $45.00.

FSS 3232C RCHM-HOS 3(3,1) Intermediate Techniques of Food Production: PR: FST 4260C. An advanced food production course which provides the student the opportunity to develop skills in pantry, garrémanaging, and convenience foods and services. Laboratory class. Occasional. M&S fee $70.00.

FSS 4135 RCHM-HOS 3(3,0) Corporate Contract and Managed Services Organizations: PR: FST 3263. The unique characteristics of managed services including contracting, commodity purchasing, pricing, and revenue management. Occasional.
Catering and Banquet Organization: PR: FSS 221C, FSS 221C or permission of the instructor. Methods and procedures for successful on and off premise catering functions. Emphasis on food and beverage preparation, menu planning, service and sales techniques. Laboratory class. Occasional. MAS fee $70.00.

GEB 4072 BA-MAN 3(3,0) Foundations of Entrepreneurship and Management: PR: LEAD 3025 or C.I. The role of entrepreneurial thinking in today's global environment. Focus on the elements of entrepreneurial thinking and how entrepreneurs envision opportunities to create new business ventures. Occasional.

GEB 3113 BA-MAN 3(3,0) How to Start a Business: PR: Sophomore Standing. Provides background and tools necessary to understand and participate in the entrepreneurial process within a large company, new venture, or growing a small business. Occasional.

GEB 4363 BA-FIN 3(3,0) Export and Import Management: PR: Finance major, Junior standing, and permission of CBA. Focuses on the management of export/import business and provides students with knowledge about international trade. Occasional.

GEB 4374 BA-FIN 3(3,0) International Negotiations and Transactions: PR: Finance major, Junior standing and permission to CBA. Focuses on understanding of the concepts and skills required for international negotiations and transactions. Occasional.

GEB 4435 BA-MAN 3(3,0) Moral Foundations of Business: PR: MAN 3025 or C.I. Ethical dimensions of business and the relationship between markets and morality through a comparative analysis of capitalist and socialist ideals. Occasional.

GEB 4824 BA-BUS 3(3,0) Business Law in Sport & Entertainment: PR: SPB 3003, and either FIN 2100 and MAR 3023 or admission to a business major. Understanding of the legal issues involved in the operation and management of organizations in the sport and entertainment industries. Fall.

GEB 4512 BA-MAN 3(3,0) Technological Entrepreneurship: PR: Junior standing. Creating business ventures based on novel intellectual property and technological innovation. It addresses licensing, venture formation, and strategic alliances as potential strategies. Occasional.

GEB 4361 BA-FIN 3(3,0) 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.
HFT 1000 RCHM-SPR 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 2220 RCHM-SPR 3(3,0) Hospitality Human Resources Management: Application of strategic principles of human resources to the hospitality tourism setting. Fall, Spring.

HFT 2254 RCHM-SPR 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 2401 RCHM-SPR 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-SPR 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-SPR 3(3,0) Restaurant Management: PR: HFT 1000, FSS 2221C, and junior standing or C.I. Discussion of the topics integral for the successful management of restaurant and food service organizations. Fall, Spring.

HFT 3273 RCHM-SPR 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 3323 RCHM-SPR 3(3,0) Hospitality Physical Plant Management: PR: Junior standing. Analysis of operational problems related to the physical plant and structure of enterprises in the hospitality industry. Spring.

HFT 3353 RCHM-TEA 3(3,0) Golf Planning & Operations I: 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 3357 RCHM-TEA 3(3,0) Golf & Club Event Operations: PR: HFT 1000; HFT 2900; 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 2750, and HFT 3670; 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 2221C. Comprehensive examination of the golf and club management industry, its related national and international associations, and career path opportunities. Occasional.

HFT 3431 RCHM-SPR 3(3,0) Hospitality Industry Managerial Accounting: PR: HFT 2401, and 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 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-TEA 3(3,0) Reservations & Marketing: PR: HFT 1000, HFT 2750 or C.I. Provides insight into 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, HFT 2500 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 Services: PR: HFT 2750 or C.I. In-depth understanding of the acquisition and management of services integral to successful events, including conventions, conferences and catered functions. Fall, Spring. M&S fee $32.00.

HFT 3523 RCHM-TEA 3(3,0) Event Sales: PR: HFT 2500 and HFT 3519; or C.I. In-depth look at the sales process for events, including the development of requests for proposals, negotiation skills and sales strategies. Fall, Spring.

HFT 3540 RCHM-SPR 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 3560 RCHM-SPR 3(3,0) Legal Environment in the Hospitality and Tourism Industry: PR: C.I. Principles of law as related to the Hospitality/Tourism Industry. Fall, Spring.

HFT 3610 RCHM-TEA 3(3,0) Law and Restaurant Management: PR: HFT 3603 and HFT 3623. Emphasis on regulatory, case and administrative law, Compliance, prevention, and remedial actions are stressed. Occasional.

HFT 3654 RCHM-TEA 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 C.I. The study of evaluating risk and loss 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 public and private 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 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 2750, HFT 3443, and HFT 3670; or C.I. The many aspects of event production, including art, design, and staging. Provides hands on practical experience. Occasional.

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-TEA 3(3,0) Multi-Unit Food Service 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-SPR 3(3,0) Topics in Restaurant and Foodservice Management: PR: HFT 3263 and FSS 2221C. Guest lecture series covering contemporary issues in the various segments of the foodservice industry. Odd Spring.

HFT 3868 RCHM-TEA 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 Lecture in Hospitality Management: PR: HFT 1000, Junior standing. First hand introduction to hospitality leadership, 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 406C RCHM-TEA 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.
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HFT 4253 RCHM-HOS 3(3,0) Hotel Operations: PR: HFT 2401, HFT 2500, HFT 4444, HFT 3603 and Senior Standing. 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. Occasional.


HFT 4266 RCHM-HOS 3(3,0) Restaurant Brand Management: PR: HFT 3263 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) Cases in Restaurant Management: PR: HFT 3263 and junior standing or C.I. Application of case 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 2353. 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) Resort Management: PR: HFT 1000, HFT 2254, or C.I. Comprehensive analysis of applied theories, principles, and techniques in the management of resorts. Occasional.

HFT 4275 RCHM-HOS 3(3,0) Development of Vacation Ownership Resorts: PR: HFT 3273 and HFT 4473 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 and junior standing or C.I. 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 Tactics: 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 4208, HFT 4453; ESS 3124, FSS 4135. Teaching and training methodologies relative to the service positions in a restaurant. Encompasses training techniques, guest interaction, and assessment of service performance. Occasional.

HFT 4286 RCHM-HOS SERV 3(3,0) Hospitality Communications: PR: HFT 1000, HFT 2220, FSS 221C, HFT 2254; HFT 2250; HFT 3603; HFT 2750; HFT 2401; HFT 3444, HFT 3540. Communication exchanges in the hospitality industry for effective presentation, conflict resolution, and report writing. Emphasis on inter-departmental communication by managers in hospitality enterprises in the areas of reading, writing, speaking, and listening. Fall, Spring.

HFT 4285 RCHM-HOS SERV 3(3,0) Leadership and Strategic Management in the Hospitality Industry: PR: Completion of Hospitality Management Core program. Principles of strategic decision making in various hospitality and tourism organizations; lectures, class discussions, and group case analysis presentations. Fall, Spring.

HFT 4289 RCHM-HOS SERV 3(3,0) Hospitality 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 operation. Occasional.

HFT 4343 RCHM-HSP SERV 3(3,0) Hospitality Facilities Planning and Design: PR: HFT 3444. Principles of facility planning, layout and design for dining, kitchen, guest room, lobby, and service areas. Odd Fall.


HFT 4375 RCHM-TEA 3(3,0) Advanced Trade Show Management: PR: HFT 4745 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 effective applications 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 3603. Topics of unit level economics, budgeting, valuation of restaurant enterprises, 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 Managerial 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 3273, HFT 4522. HFT 4277: Tactics and strategies necessary for owner exchange, information transmission, and financial reporting. Occasional.

HFT 4457 RCHM-HSP SERV 3(3,0) Food, Beverage, and Labor Cost Controls: PR: HFT 3431 Hospitality Industry Managerial 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-HSP SERV 3(3,0) Hospitality Industry Revenue Management: PR: HFT 2254 and HFT 3431. Revenue management practices in hospitality organizations which include capacity management, revenue forecasting, discounting, overbooking and rate management. Fall, Spring.

HFT 4473 RCHM-HSP SERV 3(3,0) Hotel Development Analysis: PR: HFT 3431 and junior standing or C.I. Review of methodological operation, financial, and marketing aspects of analyses for hotel development projects. Occasional.

HFT 4522 RCHM-HOS 3(3,0) Resort Sales Tactics and Strategies: PR: HFT 1000, HFT 2254, or C.I. Sales tactics and corporate strategies employed in the sales and marketing of resorts. Occasional.

HFT 4523 RCHM-TEA 3(3,0) Managing the Employee Experience in the Theme Park and Attraction 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) Risk Management in Theme Parks and Attractions: PR: HFT 4755 and HFT 3603, or C.I. Examines principles and issues related to the nature and mitigation of risks at theme parks and attractions. Covers all theme park operating departments. Occasional.

HFT 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 4732 RCHM-TEA 3(3,0) Tourism Impact Analysis: PR: HFT 3700. Quantitative impact analysis tourism as an industry in the regional/national economy along the tourism satellite accounts concept. Fall, Spring.

HFT 4735 RCHM-TEA 3(3,0) Tourism Geography: PR: HFT 3700 and junior standing or C.I. A seminar discussing the main geographical tourism destinations in U.S. and the World. Fall, Spring.

HFT 4736 RCHM-TEA 3(3,0) Destination Management: PR: HFT 3700. Principles and issues related to destination management; strategies and processes involving design, operations, distribution, networking and impact of tourism at the destination. Occasional.

HFT 4753 RCHM-TEA 3(3,0) Convention and Conference Services: PR: HFT 3517 and junior standing or C.I. Provides an in-depth understanding of the acquisition and management of services (food and beverage, audiovisual, 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 resources, ride 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 3520, HFT 3518, 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. MB& fee $65.00

HFT 4759 RCHM-TEA 3(3,0) Product Development in Theme Parks and Attractions: PR: HFT 4762 and junior standing or C.I. The strategic management process associated with product development in the theme parks and attraction industry. Occasional.

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HSA 3222 HPA-HP 3(3,0) Long Term Care and Administration: PR: HSA major and Sophomore standing, or C.I. Organization and functioning of long-term care administration. Covers long-term care providers, interaction in long-term care continuum, managing long-term care and future issues. Even Fall, Spring.

HSA 3430 HPA-HP 3(3,0) Health Care Economics: PR: HSA 3111; ECO 2023, or C.I. To provide an application of economic principles to analyze how different economic incentives affect patients, providers, and policy makers behaviors in the delivery of health services. Fall, Spring.

HSA 4109 HPA-HP 3(3,0) Principles of Managed Care: PR: HSA 3111; 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 the complexities of health care as a societal issue. Occasional.

HSA 4180 HPA-HP 3(3,0) Organization & Management of Health Agencies I: PR: HSA 3111 or admitted to HIM program. 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, Spring.

HSA 4184 HPA-HP 3(3,0) Organization & Management of 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; C.I. General description, analysis, and applications of medical computerized systems for health data and health administration. Fall, Spring.


HSA 4502 HPA-HP 3(3,0) Risk Management Systems: PR: HSA 3111 or C.I. Safety, liability, and control issues with emphasis on risk identification, risk reduction and risk transfer in health care. Fall, Spring.

HSA 4701 HPA-COM SCDIS 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. Occasional.

HSA 4702 HPA-HP 3(3,0) Health Sciences Research Methods: PR: (STA 2014C or STA 2023) and Junior Standing, or C.I. Introduction to research design in the Health Sciences, including design, literature review, testing, analysis, and conclusions. Fall, Spring.

HSA 4850 HPA-HMI VAR Health Services Administration Internship: PR: 2.5 UCF GPA, 90 overall credit hours, 24 HSA credit hours, approval of the Internship Director. Administrative experience in an approved health care organization. Fall, Spring.

HSA 4939 HPA-HMI 3(3,0) Health Services Administration Capstone: PR: HSA major and senior standing, HSA 3170, HSA 3430 and HSA 4184. Capstone course applies healthcare administration theory to a healthcare organization. Students will integrate previous coursework to evaluate an existing healthcare organization. Fall, Spring.

HSA 5177 HPA-HP 3(3,0) Foundations of Health Care Finance: PR: Admission to graduate program in HSA or C.I. Preparatory course for graduate students who are not prepared to take the required health care finance course. Occasional.

HSA 5198 HPA-HP 3(3,0) Health Care Decision Sciences and Knowledge Management: PR: STA 5208 or passing score on statistics assessment exam. Emphasis on development of a general systematic approach to solving problems under uncertainty. The role of informatics and application of information technology in improving managerial decision making process will be presented. Occasional.

HSA 5257 HPA-HP 3(3,0) IC9D Coding for Health Services Administrators: PR: HSC 6636, B.S. in Health related field, or C.I. Emphasis on developing skills to facilitate an understanding of the coding process and the compliance issues related to the process. May be repeated for credit. Occasional.

HSA 5259 HPA-HP 3(3,0) CPT Coding for Health Services Administrators: PR: HSC 6636 or C.I. or BS in health-related field. Emphasis on developing skills to facilitate an understanding of CPT Coding process and the compliance issues related to the process. Occasional.

HSC 1931C HPA-HPA 2(1,1) Foundations of Leadership: PR: LEAD Scholars Program. Seminar for LEAD Scholars in the College of Health & Public Affairs providing a foundation of leadership, scholarship, and service regarding disciplines in the college. Occasional.

HSC 2000 HPA-HP 2(2,0) Introduction to the Allied Health Professions: PR: Freshman and Sophomores only. A survey of allied health professions with regard to duties, responsibilities, education and training, ethics, and relationships with other health professionals. Fall.


HSC 2158 HPA-HP 2(2,0) LEAD Colloquium: PR: Accepted to the LEAD Scholars Program and have completed at least two of the following with a B (3.0) or better: HSC 1931C, EGN 1083C, IDS 1005C, GEB 1091C or EDC 1005C. 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 1101 and MGF 1106. 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 3703C. An established interdisciplinary approach to help people maintain health and prevent chronic diseases, stress, and addiction. Fall, Spring.

HSC 3406C HPA-HP 3(2,3) CPR & First Aid: To train individuals to accepted and recognized medical standards in emergency first aid and CPR to include medical, environmental and trauma related emergencies. Occasional.

HSC 3432 HPA-HP 3(3,0) Occupational Safety for the Health Care Professions: PR: PCB 3703C and PCB 3707C. Issues surrounding the health care environment and the risks associated with working there. Fall, Spring.

HSC 3557 HPA-HP 3(3,0) Medical Terminology: A study of the language of medicine and allied health specialties, including word construction, definitions, and application of terms. Fall, Spring.

HSC 3559 HPA-COM SCDIS 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 4009 HPA-HP 3(3,0) Professional Development in Health Professions: PR: ENC 1102 and Junior Standing. Career development planning, professional leadership approaches to problem solving, regulatory and professional requirements. Fall, Spring.

HSC 4158 HPA-HP 3(3,0) Medical Pharmacology I: PR: BSC 2010C and 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 cardiopulmonary drug classes. Fall.

HSC 4159 HPA-HP 2(2,0) Medical Pharmacology II: PR: HSC 4158 or C.I. Drugs used in cardiovascular disorders. Includes inotropic, chronotropics, beta blocker drugs, calcium channel antagonists. Spring.

HSC 4201 HPA-HP 3(3,0) Community Health: PR: ENC 1102 and Junior Standing, or C.I. Historical, sociocultural and economic factors in community health; current community health problems; interphase of governmental, voluntary and private agencies. Fall, Spring.


HSC 4500 HPA-HP 3(3,0) Epidemiology: PR: HSA 3111 and (STA 2014C or STA 2023), or C.I. A study of the distribution and determination of diseases and injuries in human population. Fall, Spring.

HSC 4501 HPA-HP 3(3,0) Epidemiology of Chronic Diseases: PR: HSC 4555, HSC 4558, and either STA 2014C or STA 2023. Epidemiology of chronic diseases including risk factors, etiology, mortality and morbidity as they relate to clinical practice, research, and intervention. Fall, Spring.

HSC 4555 HPA-HP 3(3,0) Pathophysiology I: PR: ZOO 3733C and PCB 3703C, or C.I. Abnormalities in physiologic functioning of the human body, with focus on the etiology, pathogenesis and clinical manifestations of the immune, cardiovascular, respiratory, and renal systems. Fall, Spring.

HSC 4558 HPA-HP 3(3,0) Pathophysiology II: PR: PCB 3703C and ZOO 3733C. Abnormalities in physiologic functioning of the human body, with focus on the etiology, pathogenesis and clinical manifestations of the digestive, hepatobiliary, nervous, and endocrine systems. Fall, Spring.
UCF Courses and Descriptions

HSC 4564 HPA-HP 3(3,0)
Health Care Needs of the Elderly: PR: HSA 3111 or C.I. Overview of the physical and emotional needs of the elderly, including the institutional health care available.
Fall, Spring.

HSC 4572 HPA-HP 3(3,0)
Fall, Spring.

HSC 4652 HPA-HP 3(3,0)
Health Law and Ethics: PR: ENC 1102 and Junior Standing; or C.I. Overview of the legal and ethical issues faced by health care consumers, practitioners, administrators and health care facilities.
Fall, Spring.

HSC 4739 HPA-HP 3(3,0)
Appraisal of Health and the Arts Methodology: (STA 2023 or STA 2014C) and HSA 4702 and Senior Standing. Clinical research issues including: clinical research questions, protocol, patient safety, IRB, ethics and patient rights.
Fall, Spring.

HSC 5317 ED-CFCS 3(3,0)
Health Methods: Teaching Strategies and Interventions: PR: Admission to Graduate Certificate in Health and Wellness or C.I. Application of the knowledge of teaching strategies, study skills and curriculum to develop a comprehensive school health program.
Occasional.

HSC 5595 HPA-HP 3(3,0)
AIDS: A Human Concern: Focus on epidemiology, transmission, prevention, legal and health care issues, economic impact, psychosocial aspects, sexuality, substance abuse, services, networking, services and the decision making process.
Occasional.

HUM 2020 CAH-PHIL 3(3,0)
Encountering the Humanities: The range of ideas, research methods and approaches to scholarship, critical reflection, and creative work in the humanities.
Spring.

HUM 2210 CAH-PHIL 3(3,0)
Humanistic Tradition I: An interdisciplinary, multicultural study of the arts and sciences contributed by diverse human traditions to world civilization. Focus is on ancient civilizations and the cultural heritage stemming from them. Primary sources (in translation) are emphasized.
Fall, Spring.

HUM 2210H CAH-PHIL 3(3,0)
Honors Humanistic Tradition I: PR: Permission of Honors. An interdisciplinary, multicultural study of the arts and sciences contributed by diverse human traditions to world civilization. Focus is on ancient civilizations and the cultural heritage stemming from them. Primary sources (in translation) are emphasized. Honors content.
Fall.

HUM 2230 CAH-PHIL 3(3,0)
Humanistic Tradition II: An interdisciplinary, multicultural study of the arts and sciences contributed by diverse human traditions to world civilization. Focus is on modern civilizations and their contributions to the Global Village. Primary sources (in translation) are emphasized.
Fall, Spring.

HUM 2230H CAH-PHIL 3(3,0)
Honors Humanistic Tradition II: PR: Permission of Honors. An interdisciplinary, multicultural study of the arts and sciences contributed by diverse human traditions to world civilization. Focus is on modern civilizations and their contributions to the Global Village. Primary sources (in translation) are emphasized. Honors content.
Spring.

HUM 3255 CAH-PHIL 3(3,0)
Contemporary Humanities: PR: ENC 1102 or C.I. Multicultural study of Philosophy and the arts of the 20th century. Occasional.

HUM 3255 CAH-PHIL 3(3,0)
Modern Humanities: PR: ENC 1102 or C.I. Multicultural study of Philosophy and the arts of the modern period.
Occasional.

HUM 3320 CAH-PHIL 3(3,0)
Contemporary Multicultural Studies: PR: HUM 2210, Junior standing, or C.I. Studies the influence of diverse cultures making up North America in the Information Age, focusing on primary sources in philosophy, literature, visual arts and music. Even-Fall.

HUM 3384 CAH-PHIL 3(3,0)
Representations of Place and Space: PR: HUM 2200 or C.I. Phenomenological, symbolic, constructivist, and determinist approaches to personal and social space and place. 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 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 Islam in Western literature and scholarship. With Honors content.
Occasional.

HUM 3423 CAH-PHIL 3(3,0) African Humanities: PR: HUM 2230, HUM 3520, 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 3435 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 2220. Ideas in cultures of Latin America and Caribbean basin as expressed in architecture, music, art, 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 human nature, social justice, 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 3800 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 4530 CAH-PHIL 3(3,0) The Spiritual Ideal: PR: HUM 2210 and HUM 2230 or C.I. Exploration of philosophical and religious perspectives concerning secular forms of spirituality from ancient to contemporary periods; critical interrogation of the relationship between religion and spirituality. Occasional.

HUM 4330 CAH-PHIL 3(3,0) Performance Theory: PR: Junior standing and HUM 2210 or either PHI 2010, PHI 2101, PHI 2108, or C.I. Traditional and contemporary theories of performance with a focus on linguistic performative, 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 evaluating 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. Critical examination of quests for meaning and value as articulated by religious philosophers dealing with existential questions; emphasizes problems of truth, knowledge, faith and belief.
Occasional.

HUM 4556 CAH-PHIL 3(3,0) Religion and the Arts: PR: One of: HUM 2210, HUM 2230, ARH 2050, ARH 2051, or REL 2300. Art, music, dance, and ritual practices in religious 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 5802 CAH-PHIL 3(3,0) Applied Contemporary Humanities: PR: HUM 5803, 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 5803 CAH-PHIL 3(3,0) Theories and Methods of the Humanities: PR: senior undergraduate standing and at least one of the following: HUM 3252, HUM 3320, or PHI 4808 or graduate standing. Approaches, concepts, methods, and theoretical issues in the Humanities with 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: PR: or CR: ZOO 3733C and CHM 1032 or C.I. Essentials of nutrition related to the life cycle, including the physiological, psychological, 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 macronutrients in human nutrition and health enabling graduates to integrate knowledge into other aspects of their work.
Occasional.
UCF Courses and Descriptions


IDH 1921H BHC-HON 2(2,0) Honors Symposium II: PR: IDH 1920H. Readings, lectures and discussions covering aspects of scholarship, artistic, and other creative efforts. Graded S/U. Spring.

IDH 1923H BHC-HON 2(2,0) Honors Foundations of Leadership: PR: Permission of Honors. An honors symposium that presents academic leaders and their research or artistic achievements. Students are organized in groups to discuss leadership principles and applications. Graded S/U. Occasional.

IDH 3600H CAH-PHIL 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 participate in team debates. With Honors consent. Fall.

IDH 4030H BHC-HON 1(3,0) Honors Windows To The World: PR: Permission of Honors and IDH 1921H, enrolled in Accelerated Pre-med Program; or C.I. Students will cultivate an active sense of the liberal arts as they prepare for prestigious scholarships and graduate school. Graded S/U. May be repeated for credit. Occasional.

IDS 1040C COS-2M(1) Foundations of Leadership: PR: LEAD Scholars Program, Seminar for LEAD Scholars in the College of Arts & Sciences providing a foundation of leadership, scholarship, and service regarding disciplines in the college. Fall, Spring.

IDS 2042C COS-COS(2,1) LEAD Colloquium: PR: Must have completed 2 of the following with a grade of B or better: IDS 1040C, GEB 1091C, HSC 1931C, EGN 3060C, EDG 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 and either PUB 1300 or PUB 2012 or C.I. Comparative study of cultures, economics, languages, and social systems using approaches and data from multiple disciplines. Occasional.

IDS 3180 HPA-PUB 3(3,0) Civic Engagement: PR: Junior standing and either PUB 1005 or PUB 2012 or C.I. Formal and informal civic engagement in the United States across levels of government, sectors of society, and modes of interaction. Even Fall, Even Spring.

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 Latino Studies: PR: ENC 1102. Multi-disciplinary course exploring various topics pertaining to Latinos in the U.S. Occasional.

IDS 3932 UGST-INTERDISC 3(3,0) Cornerstone Experience: PR: ENC 1102. Junior standing, Interdisciplinary Studies major, or C.I. Interdisciplinary study essentials, including basic concepts and methodological tools, to synthesize material from disparate fields and apply them to academic plans and career goals. Fall, Spring.

IDS 4156 UGST-INTERDISC 3(3,0) Solving Environmental Problems: PR: IDS 3150, ECP 4003, GIS 3043C, GIS 4301C 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: Acceptance into the Energy and Sustainability Minor, Senior standing and Completion of GEP or C.I. Contemporary topics in energy and sustainability, Seminars and lectures from industry, academia, government, and UCF speakers. Students are required to work on individual or team assignments, research projects, and present their work in the format of mini seminars. Occasional.

IDS 4315 COS-POLS 3(3,0) Global Perspectives: 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 4934 UGST-INTERDISC 3(3,0) Capstone Experience: PR: IDS 3933; Junior standing, and Interdisciplinary Studies major, or C.I. Student exposition of coursework demonstrating the understanding of interdisciplinary approaches and successful synthesis of interdisciplinary studies, applied to the course of study and academic career goals. Fall. Spring. M&S fee $17.00.

IDS 4935 COS-SOC 3(3,0) Multidisciplinary Research Methods: PR: McNair Scholar and Junior Standing, Research methods of various disciplines designed for McNair Program Scholars. Occasional.

IDS 5127 COM-MSM 3(3,0) Foundation of Bio-Imaging Science: PR: Graduate standing. Fundamental theory, design, and practice of modern bio-imaging techniques used for basic biomedical research applications. Occasional.

IDS 5145 ECS-EMS 3(3,2) Interdisciplinary Course in 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 2(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. Fall.

IDS 5719 COS-PSYCH 3(3,0) Qualitative Aspects of Modeling and Simulation: PR: MAC 2241 or equivalent. Introduction to matrix algebra and other discrete mathematics topics for modeling and simulation applications. Spring.

IDS 5915 CAH-PHIL 3(3,0) Research Methods in Cognitive Sciences: PR: Admission to graduate certificate program in Cognitive Sciences or C.I. Interdisciplinary research methods in the cognitive sciences. Spring.

IDS 5936 CAH-PHIL 3(3,0) Topics in Cognitive Sciences: PR: Admission to graduate certificate program in Cognitive Sciences or C.I. Theoretical issues and empirical studies in the cognitive sciences, including contemporary discussions of mind, brain, artificial intelligence, pathologies, and behavioral capacities. Fall.

INP 3004C COS-PSYCH 3(3,2) Industrial/Organizational Psychology: PR: PSY 2012 or C.I. Psychological theories and principles applicable to problems in industrial organizations. Fall.

INP 3004H COS-PSYCH 3(3,0) Honors Industrial/Organizational Psychology: PR: PSY 2012 and consent of Honors. Psychological theories and principles applicable to problems in industrial organizations. With Honors consent. Occasional.

INP 3141C COS-PSYCH 1-3(0,3-9) Advanced Applied Psychology: PR: PSY 2012 and C.I. Course will explore application of psychological knowledge to clinical, experimental, industrial, or educationally related 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 psychology to local organizations. Occasional.

INP 4252 COS-PSYCH 3(3,0) Advanced Industrial Psychology: PR: INP 3004C 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 3004C. Analysis of the organizational principles underlying individual 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. Dynamic processes of small groups from social and applied psychology perspectives. Occasional.

INP 5825 COS-PSYCH 3(3,0) Human-computer Interface (HCI) design: A team approach: PR: Graduate status or senior standing or C.I. interdisciplinary approach to human-computer interface design, including behavior, engineering, computer science, and instructional aspects. Tools and techniques for team development and the evaluation of software for usability. Occasional.

INR 2002 COS-POLS 3(3,0) International Relations-Theory and Practice: Analysis of the fundamental principles and factors affecting interstate relations and their application to contemporary global developments. Fall, Spring.

INR 3016 COS-POLS 3(3,0) Global Political Issues: PR: POS 2041 or C.I. Current global political topics from political development and income gap to gender issues and environmental challenges. Occasional.


INR 3253 COS-POLS 3(3,0) International Politics of Africa: PR: Junior standing or C.I. The broad structures and processes of international politics and foreign policy in Africa, with particular attention on U.S.- African relations. Occasional.

INR 4011 COS-POLS 3(3,0) Politics of Globalization: PR: INR 2002 or POS 2041 or C.I. Major 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 diplomacy; diplomatic processes in the international arena. Spring.


INR 4035 COS-POLS 3(3,0) International Political Economy: The international politics of regional and global economic interdependence, with emphasis on 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 policy within developed and underdeveloped countries. 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.

INR 4063 COS-POLS 3(3,0) The Cold War: PR: POS 2041 or C.I. Policies of the US-Soviet relations emphasizing the Cold War including the global impact of the Cold War, and prospects for post-Cold War international politics. Occasional.

INR 4064 COS-POLS 3(3,0) Changing Nature of War: PR: POS 2041 or C.I. The changing nature of war in light of significant changes in technology and international politics. Occasional.

INR 4074 COS-POLS 3(3,0) Immigration Policy: PR: POS 2041, Junior standing or C.I. Analysis of the complex subject of immigration, including U.S. and comparative immigration policy, illegal immigration, alien smuggling, and statelessness and their political/security impact. Occasional.


INR 4076 COS-POLS 3(3,0) Global Drug Policy: PR: POS 2041, Junior standing or C.I. International drug control issues, policy formulation and enforcement, impact of government and political economic systems on drug policy. Selected Latin American and Third World cases. Odd Spring.

INR 4084 COS-POLS 3(3,0) Politics of International Terrorism: PR: POS 2041 or C.I. Nature and politics of terrorism with primary focus on its implications for international relations. Occasional.


INR 4102 COS-POLS 3(3,0) American Foreign Policy: Development of American foreign policy, with emphasis on the role and policies of the United States in the contemporary world. Odd Fall.

INR 4104 COS-POLS 3(3,0) Topics and Cases in American Foreign Policy: PR: POS 2041, Jr. standing or C.I. Gender or intensive analysis of problems or aspects of U.S. foreign policy. Issues may include September 11th, homeland security, counter-terrorism, policymaking and decision-making and intelligence. Odd Spring.

INR 4114 COS-POLS 3(3,0) American Security Policy: PR: POS 2041, Junior standing, or C.I. Study of the evolution of American security policy since World War II, including consideration of the social and political costs involved and means of control. Occasional.

INR 4115 COS-POLS 3(3,0) Strategic Weapons and Arms Control: Control of strategic weapons and their impact. Technological and policy aspects, including nuclear proliferation. Occasional.

INR 4224 COS-POLS 3(3,0) Contemporary International Politics of Asia: Examinations of the foreign policies of major and secondary powers in Asia, with particular attention to China and Japan. Occasional.

INR 4225 COS-POLS 3(3,0) The Vietnam War: Background of events leading to America’s involvement in Indochina, the course of the Vietnam War, and the lessons which that war imparts. Occasional.

INR 4243 COS-POLS 3(3,0) International Politics of Latin America: Study of contemporary U.S.-Latin American relations, international politics and organization, and the role of Latin America in the world. Occasional.

INR 4304 COS-POLS 3(3,0) Issues in International Public Policy: PR: POS 2041, Junior standing or C.I. Endogenous and exogenous variables, including policy analysis and decision-makings, which influence select international public policy issues. Occasional.

INR 4335 COS-POLS 3(3,0) Coercion in International Politics: Examination of the role of coercive techniques among states in a nuclear age, ranging from nuclear strategy and deterrence to wars of national liberation and coups. Even Fall.

INR 4350 COS-POLS 3(3,0) Global Environmental Politics: PR: INR 2002 or POS 2041 or C.I. The unique environmental struggles and political issues that occur on the international and global levels. Fall.


INR 4364 COS-POLS 3(3,0) The Intelligence Community: Examination of various aspects of the Intelligence Community and the intelligence community structure in its relationship to foreign policy. Interaction of intelligence, sovereignty, economic and cultural diversity. Occasional.

INR 4401 COS-POLS 3(3,0) International Law I: PR: Junior standing or C.I. The nature, evolution, and sources of international law and such subareas as recognition of states and governments, expropriation, nationality, and aliens. Odd Fall.

INR 4402 COS-POLS 3(3,0) International Law II: PR: INR 4401 or C.I. Examination of various sub-areas of international law, including maritime law, laws of the sea and seabed, air law, outer space, neutrality, and wars of occupation. Even Fall.

INR 4404 COS-POLS 3(3,0) Space Law: Examination of the legal regime of outer space from both international and national perspectives, and the legal problems arising from human activity in space. Occasional.

INR 4406 COS-POLS 3(3,0) International Relations Theory: PR: INR 2002. Theoretical trends prevalent in the study of international relations, including realism, liberalism, Marxism, feminism, and post-modernism. Occasional.

INR 4714 COS-POLS 3(3,0) Politics of International Trade Policy: PR: INR 2002. Key actors and processes of international trade policy-making at the sub-national, nation-state, regional, and global levels of analysis. Even Fall.

INR 4774 COS-POLS 3(3,0) Military Space Policy: PR: INR 2002 and Junior standing, or C.I. Politics and policymaking in military space policies. Occasional.

INT 4134 HPA-COM SC&DIS 3(3,0) Ethics of Interpreting Sign Language: PR: ASL 2140, ASL 2150, ASL 4161C. A study of the role of the interpreter, including business practices, professional conduct and interpreting settings. Occasional.

INT 4205C HPA-COM SC&DIS 4(3,1) Interactive Interpreting I: PR: ASL 2140, ASL 2150 and ASL 4161C. Principles and practices of interpreting, including interpreter’s role, professional behavior and interpreting ethics, and environmental considerations of interpreting situations. Occasional.


ISC 2215 COS-POLS 1(3,0) Interdisciplinary Applications of Calculus I: CR: MAC 2311. Interdisciplinary applications of differential and integral calculus topics in MAC 2311 to the solution of concrete problems in science, mathematics, and engineering disciplines. Fall.

ISC 2216 COS-POLS 1(3,0) Interdisciplinary Applications of Calculus II: CR: MAC 2312. Interdisciplinary applications of differential and integral calculus topics in MAC 2312 to the solution of concrete problems in science, mathematics, and engineering disciplines. Spring.

ISC 2217 COS-POLS 1(3,0) Interdisciplinary Applications of Calculus III: CR: MAC 2313. Interdisciplinary applications of differential and integral calculus topics in MAC 2313 to the solution of concrete problems in science, mathematics, and engineering disciplines. Fall.

ISS 4155 COS-MATH 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 3(3,0) Elementary Italian Language and Civilization I: Introduces the student to Italian culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. Fall, Spring.

ITA 1121C CAH-LANG 3(3,0) Elementary Italian Language and Civilization II: PR: ITA 1120C 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 syntax, idiomatic expression, extensive readings, and further study of Italian culture. Fall.

ITA 2201 CAH-LANG 3(3,0) Intermediate Italian Language and Civilization II: PR: ITA 2200 or equivalent. Designed to continue development of language skills at intermediate level, plus a review of grammar and study of syntax, with emphasis on Italian civilization. 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.
UCF Courses and Descriptions

ITA 3760 CAH-LANG 3(3,0)
Advanced Italian Oral Communication: PR: ITA 1600. A vocabulary building with systematic training in diction and location. Speeches and oral presentations as well as production and delivery of real-life dialogues. Fall.

ITA 4280 CAH-LANG 3(3,0)

ITT 3443 CAH-LANG 3(3,0)

ITT 3480 CAH-LANG 3(3,0)
Study Abroad: Italian Literature in Translation: PR: C.1 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.1. Modern and contemporary Italian culture in the natural environment. Occasional.

ITT 4957H CAH-LANG 3(3,0)
Honors Italian Literature in Translation: PR: ENC 1102 and consent of Honors. Main literary tendencies and authors of Italian Literature, with honors content. Occasional.

ITW 3100 CAH-LANG 3(3,0)
Survey of Italian Literature I: PR: ITA 2201. Main currents and writers in Italian literature from the 12th through the 15th centuries. Occasional.

ITW 3101 CAH-LANG 3(3,0)
Survey of Italian Literature II: PR: ITA 2201. Main currents and writers in Italian literature from the 15th century to the present. Occasional.

JOU 2100C COS-COMM 3(3,1)
News Reporting: PR: Com pending, or Journalism Major, or Magazine Journalism Minor and meet grammatical proficiency requirement. Newspapering and writing for the mass media. Fall, Spring. M&S fee $15.00

JOU 3004 CAH-LANG 3(3,0)
History of American Journalism: Development of mass media, leading innovators, and the media’s role in the nation’s history. Fall, Spring.

JOU 3101 COS-COMM 3(3,0)
Advanced Reporting: PR: Journalism major or Magazine Journalism minor, meet Grammar Proficiency standard, and a minimum grade of “C” (2.0) in JOU 2100C. Advanced information-gathering and development of news writing skills. Fall, Spring. M&S fee $15.00

JOU 3130 COS-COMM 3(3,0)
In-Depth Reporting: PR: STA 2000C or MAC 1105C, and JOU 2100C, or C.1 Writing with analysis, using detail, description, and demographics. Occasional.

JOU 3184C COS-COMM 3(2,1)
Metro Reporting: PR: Journalism major and a minimum grade of “C” (2.0) in JOU 2100C. Coverage of several important news beats in a metropolitan area. Occasional.

JOU 3201 COS-COMM 3(3,0)
Editing I: PR: Journalism major or Magazine Journalism minor and meet grammar proficiency requirement. Editing copy, writing headlines, managing newsroom operations. Fall, Spring. M&S fee $15.00

JOU 3202 COS-COMM 3(3,0)
Editing II: PR: Journalism major or Magazine Journalism minor, a minimum grade of “C” (2.0) in JOU 3201, and a minimum grade of “C” (2.0) in JOU 2100C. Practical aspects of editing. Principles of design. Practice in editing and layout. Occasional. M&S fee $15.00

JOU 3304 COS-COMM 3(3,0)
Journalism Readings: PR: SPC 1608 or SPC 1603 or COM 1000. Concepts of literary journalism, designed to enhance understanding and evaluation techniques used by journalists. Occasional.

JOU 3313C COS-COMM 3(2,1)
Sports Reporting: PR: Journalism major and a minimum grade of “C” (2.0) in JOU 2100C. Covering sports for the print media, issues, principles, and practices. Occasional.

JOU 3510 COS-COMM 3(3,0)
Magazine Publishing: PR: Journalism major or Magazine Journalism minor, and a minimum grade of “C” (2.0) in JOU 2100C. The magazine industry, emphasizing business operations and current topics. Occasional.

JOU 4181 COS-COMM 3(3,0)
Public Affairs Reporting: PR: Journalism major, and a minimum grade of “C” (2.0) in JOU 2100C and a minimum grade of “C” (2.0) in JOU 3184C or JOU 3101. Reporting on city, county and state government. Fall, Spring. M&S fee $15.00

JOU 421C COS-COMM 3(2,1)
Informational Graphics: PR: Journalism major and a minimum grade of “C” (2.0) in JOU 2100C. Use of boxes, charts and graphics in the print media. Occasional.

JOU 4213C COS-COMM 3(2,1)
Page Design: PR: Journalism major and JOU 3201. Designing newspaper pages, including stories, headlines, and other content. Occasional.

JOU 4224 COS-COMM 3(3,0)
Magazine Editing and Production: PR: Journalism major or Magazine Journalism minor, and a minimum grade of “C” (2.0) in JOU 2100C. The magazine industry, including writing and editing skills, and editorial, business, and production requirements. Occasional.

JOU 4300 COS-COMM 3(3,0)
Feature Writing: PR: Journalism major or Magazine Journalism minor, and a minimum grade of “C” (2.0) in JOU 2100C. Writing feature articles for newspapers and magazines. Fall, Spring.

JOU 4306C COS-COMM 3(1,2)
Critical Writing: PR: Journalism major or Magazine Journalism minor. Writing reviews of movies, plays, television programs, concerts, books, and other cultural works. Occasional.

JOU 4308 COS-COMM 3(3,0)
Freelance Writing: PR: Journalism major or Magazine Journalism minor. A study of the techniques and procedures of freelance writing, including the preparation of several manuscripts. Occasional.

JOU 4340C COS-COMM 3(1,3)
On-line Journalism I: PR: PUR 3100, or a minimum grade of “C” (2.0) in JOU 2100C. The development, impact and problems of using the Internet as a journalistic tool. Writing and design news for the Web. Occasional. M&S fee $15.00

JOU 4341C COS-COMM 3(1,3)
On-line Journalism II: PR: JOU 4340C. Study, design, and development of on-line journalism materials. Occasional. M&S fee $15.00

JOU 4342C COS-COMM 3(2,1)

JOU 4700 COS-COMM 3(3,0)

JPN 1120C CAH-LANG 4(3,1)
Elementary Japanese Language and Civilization I: Introduces the student to Japanese culture through the major language skills: listening, speaking, reading, and writing. Open only to students with no experience in the language. Fall.

JPN 1121C CAH-LANG 4(3,1)
Elementary Japanese Language and Civilization II: PR: JPN 1120C or equivalent. Continuation of JPN 1120C. Spring.

JPN 2200 CAH-LANG 3(3,1)

JPN 2952 CAH-LANG 3(3,0)

JPN 3760 CAH-LANG 3(3,0)
Advanced Japanese Conversation: PR: JPN 1121C or equivalent proficiency. Communication in conversational Japanese to enhance knowledge of the sound changes, speech functions and styles in verbal discourse. Occasional.

JST 3005 CAH-JUD 3(3,0)

JST 3100 CAH-JUD 3(3,0)

JST 3120 CAH-JUD 3(3,0)

JST 3211 CAH-JUD 3(3,0)
Classic Texts of Judaism: PR: ENC 1102. Scriptures, post-Biblical Rabbinic writings, Exegesis, Apocrypha, Qur'an documents, Mishnah, Talmud, the Siddur, as well as Jewish mystical writings. Occasional.

JST 3125 CAH-JUD 3(3,0)

JST 3126 CAH-JUD 3(3,0)

JST 3144 CAH-JUD 3(3,0)
Dead Sea Scrolls: PR: Junior standing or C.I. The Dead Sea Scrolls, their literary and historical context, and significance. Occasional.

JST 3190 CAH-JUD 3(3,0)
The Biblical Prophets: PR: ENC 1102. Writings of the biblical prophets, Isaiah, Jeremiah and Ezekiel against the backdrop of their times. Occasional.

JST 3210 CAH-JUD 3(3,0)
Kabbalah: Jewish Mysticism: PR: ENC 1102. Jewish mysticism from its early roots in the prophetic age through the flowering of Kabbalah in medieval Spain and the land of Israel, with its texts and the Zohar. Occasional.

JST 3312 CAH-JUD 3(3,0)
Identity and Genre: PR: ENC 1102 or C.I. Jewish and Hebrew literature as related to the intellectual quest for Jewish identity and modernism in the 19th and 19th centuries. Occasional.
UCF Courses and Descriptions

LAS 3101 CAH-LAS 3(3,0)
Latin American Popular Culture: PR: SPN 1120C and SPN 1121C. Examines 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: Junior 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: 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. 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(4,1)
Elementary Latin Language and Civilization II: PR: LAT 1120C or equivalent. Continuation of LAT 1120C. Spring.

LAT 1121H CAH-LANG 4(4,1)
Honors Elementary Latin Language and Civilization II: PR: LAT 1120H or equivalent permission of honors. Continuation of LAT 1120H, with honors-level content. Occasional.

LDR 2001 UGST-INTERDISC 2(2,0)
Foundations of Leadership: PR: Student enrolled in LEAD Scholars. Leadership Studies minor or certificate. Introductory study into the foundations of leadership, including leadership theories and related principles and practices. Fall.

LDR 2002 UGST-INTERDISC 2(2,0)

LDR 2262 UGST-INTERDISC 1(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.

LDR 3215 UGST-INTERDISC 2(2,0)
Leadership Through Service: An Advanced Leadership Experience: PR: LDR 2001 and LDR 2002. Theories, processes, and leadership role in social change will be explored, contemporary leadership theories and practices related to citizenship and civic engagement will be studied, and leadership will be practiced in various settings. Fall.

LDR 3950 UGST-INTERDISC 2(2,0)
Leadership in Action: Capstone Experience for LEAD Scholars: PR: LDR 3215. Leadership practices and theories, including related principles and practices. Students will develop a professional portfolio, reflect on their course of study, practice public speaking, and articulate their leadership philosophy. Spring.

LIN 3010 CAH-ENG 3(3,0)

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 today's 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 3716 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.

LIN 3716L HPA-COM SC&DIS 2(0,2)

LIN 3717 HPA-COM SC&DIS 3(3,0)
Language Development: 9 - 18 Years: PR: LIN 3716. Study of spoken and written language development from nine through eighteen years and how meaning is conveyed through sounds, words, and sentences. Fall, Spring.

LIN 4105 CAH-ENG 3(3,0)
History of the English Language: PR: Sophomore standing, and C (2.0) or better required in ENC 1102. Study of the English language and its development from Anglo-Saxon to Modern. Fall, Spring.

LIN 4600 CAH-WRITE 3(3,0)
Language and Society: PR: Grade of C (2.0) or better required in ENC 1102. Examines language and society, including the relationship of sociolinguistic variations to identity and culture. Occasional.

LIN 4615 CAH-ENG 3(3,0)
African-American Styles of Communication: PR: Grade of C (2.0) or better required in ENC 1102 and junior standing or C.I. African-American norms contrasted to Anglo-American norms with attention given to speech acts, kinetics, proverbs, paralinguistics, and gender roles. Occasional.

LIN 4643 CAH-ENG 3(3,0)
Cross Cultural Communication: PR: Junior standing or C.I. and C (2.0) or better required in ENC 1102. Styles of spoken, written, and nonverbal communication of selected cultural groups. Occasional.

LIN 4643H CAH-ENG 3(3,0)
Honors Cross-Cultural Communication: PR: ENC 1102H and permission of Honors. Styles of spoken, written, and nonverbal communication of selected cultural groups with honors-level content. Occasional.

LIN 4660 CAH-ENG 3(3,0)
Linguistics and Literature: PR: Grade of C (2.0) or better required in LIN 3010 or C.I. Language study as an aid to understanding literature. Occasional.

LIN 4680 CAH-ENG 3(3,0)
Modern English Grammar: PR: Sophomore standing, and C (2.0) or better required in ENC 1102. Examines language and society, including structural, transformational and rhetorical grammar and figurative language, verse forms; application of critical approaches to selected works. Occasional.

LIT 2000 CAH-ENG 3(3,0)
Introduction to Literary Interpretation: PR: ENC 1102. Interpretation of drama, verse, conflict, characterization, point of view, rhetorical and poetic devices. Occasional.

LIT 2110 CAH-ENG 3(3,0)
World Literature I: PR: ENC 1102. Poetry, prose, and drama selected from ancient Hebrew, Greek, and Oriental literature and from that of Renaissance Europe. Fall, Spring.

LIT 2120 CAH-ENG 3(3,0)
World Literature II: PR: ENC 1102. Readings from Molieres, Voltaire, Goethe, Pushkin, Balzac, Tolstoy, Ibsen, Mann, Kafka, Camus, and others. Fall, Spring.

LIT 2120H CAH-ENG 3(3,0)
World Literature II - Honors: PR: Permission of Honors. Same as LIT 2120, with honors-level content. Occasional.

LIT 3082 CAH-ENG 3(3,0)
Continental European Fiction Since 1900: PR: Grade of C (2.0) or better required in ENC 1102. A selection of significant works of fiction written in various languages during the present century, read in translation. Occasional.

LIT 3192 CAH-ENG 3(3,0)
Caribbean Literature: PR: Grade of C (2.0) or better required in ENC 1102. Traces how Caribbean societies have achieved self-expression through documentary writing, prose fiction, and popular culture. In English. Occasional.

LIT 3192H CAH-ENG 3(3,0)
Honors Caribbean Literature: PR: Permission of Honors and ENC 1102H or equivalent credit. How Caribbean societies have achieved self-expression through documentary writing, prose fiction, and popular culture, taught in English. Honors content. Occasional.

LIT 3202 CAH-ENG 3(3,0)
Death and Dying: PR: ENC 1102. Considering the topic of death and dying through a study of literature, the course includes facts, psychological impact, ideological responses to death and identity. Occasional.

LIT 3313 CAH-ENG 3(3,0)

LIT 3313H CAH-ENG 3(3,0)
Honors Science Fiction Literature: PR: Permission of Honors and ENC 1102H or equivalent credit. An investigation of science fiction as a literary form, together with selected readings. Honors content. Occasional.

LIT 3381 CAH-ENG 3(3,0)
Women Writers of Color: PR: ENC 1102 or C.I. Examines the cultural productions of women writers of color in the Americas with a particular focus on literature, theory, and film. Occasional.

LIT 3383 CAH-ENG 3(3,0)
Women in Literature: PR: ENC 1102. Fiction, poetry, drama and non-fiction by selected women writers, such as Emily Dickinson, Jane Austen, George Eliot, Kate Chopin, Zora Neale Hurston, Tom Morrisson, Adrienne Rich, Gwendolyn Brooks. Occasional.

LIT 3383H CAH-ENG 3(3,0)
Honors Women in Literature: PR: Permission of Honors and ENC 1102H or equivalent credit. Fiction, poetry, drama and non-fiction by selected women writers, such as Emily Dickinson, Jane Austen, George Eliot, Kate Chopin, Zora Neale Hurston, Tom Morrisson, Adrienne Rich, Gwendolyn Brooks. Honors content. Occasional.

LIT 3394 CAH-ENG 3(3,0)
Literature of AIDS: PR: ENC 1102. To familiarize students with the new genre of literature that has arisen related to AIDS. Essays, short stories, plays, poetry, diaries, and novels will be covered. Occasional.
UCF Courses and Descriptions

MAC 2311 COS-MATH 4(4,0) Calculus with Analytic Geometry I: PR: Appropriate score on the UCF Math Placement Exam, or MAC 1140C with a "C" (2.0) or better and MAC 1141 with a grade of "C" (2.0) or better, or combination of appropriate score on the UCF Math Placement Exam and "C" (2.0) or better in MAC 1147 or MAC 1147B or score of 3 or better on the Calculus AB Advanced Placement Exam, or C.I. Analytic geometry; limits, continuity, differentiation of algebraic and trigonometric functions; applications of derivatives; integration and the fundamental theorem of calculus; applications of definite integrals. Not open to students with credit in MAC 2311 or MAC 2311H. The "NC" grading policy applies to this course. Fall, Spring.

MAC 2311H COS-MATH 4(4,0) Honors Calculus with Analytic Geometry I: PR: Appropriate score on the UCF Math Placement Exam, or MAC 1140C with a C (2.0) or better and MAC 1141 with a grade of C (2.0) or better, or score of 3 or better on the Calculus AB Advanced Placement Exam, and consent of Honors. Analytic geometry; limits, continuity, differentiation of algebraic and trigonometric functions; applications of derivatives; integration and the fundamental theorem of calculus; applications of definite integrals. Not open to students with credit in MAC 2311 or MAC 2311H. The "NC" grading policy applies to this course. With Honors consent. Fall, Spring.

MAC 2312 COS-MATH 4(4,0) Calculus with Analytic Geometry II: PR: Grade of "C" (2.0) or better in MAC 2311, or score of 5 on the Calculus AB Advanced Placement Exam, or C.I. Differentiation and integration of transcendental functions; inverse trigonometric functions; techniques of integration; further applications of integration; parametric equations, polar coordinates; infinite sequences and series. Fall, Spring.

MAC 2312H COS-MATH 4(4,0) Calculus with Analytic Geometry II (Honors): PR: Grade of "C" (2.0) or better in MAC 2311, or score of 5 on the Calculus AB Advanced Placement Exam, and permission of Honors. Differentiation and integration of exponential, logarithmic, inverse trigonometric functions; techniques of integration; further applications of integration; parametric equations, polar coordinates; infinite sequences and series. With Honors consent. 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: Grade of "C" (2.0) or better in MAC 2312, or score of 5 on the Calculus BC Advanced Placement Exam, and permission of Honors. Geometry of higher dimensional Euclidean space; vectors and vector functions; partial derivatives; multiple integrals; line integrals; vector fields; Green’s Theorem and Stoke’s Theorem. With Honors consent. Spring.

MAD 2104 COS-MATH 3(3,0) Foundations of Discrete Math: PR: 2 years of high school algebra and 1 year of geometry or C.I. Basic mathematical logic, methods of proof in mathematics, and application to elementary discrete structure. Fall, Spring.

MAD 2020 COS-MATH 3(3,0) Applied Combinatorics: PR: MAC 2312, and either MTH 3302 or COT 3100C, or C.I. Counting principles; permutations and combinations, multisets; recurrence relations and generating functions; combinatorial designs; the Polya theory of counting. Fall.

MAD 4031 COS-MATH 3(3,0) Graph Theory: PR: MAC 2313 and MTH 3302, or C.I. Graph theory; isomorphism; connectivity; traversability; matchings, factorizations; planarity, colorings, and Ramsey theorems. Spring.

MAD 2203 COS-MATH 3(3,0) Combinatorics and Graph Theory II: PR: MAD 4032, graduate status or senior standing, or C.I. Polya’s theory of counting; Latin squares and rectangles; block designs; coding theory; probabilistic methods; hypergraphs; applications. Odd Spring.

MAE 2801 ED-TL&L 4(3,1) Elementary School Mathematics: PR: MAC 1105C or MTH 1108. 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 4300 ED-CFCS 3(3,0) Math Curriculum Assessment in Early Childhood: PR: EEC 4661, EEC 4207; CR: EEC 3940. Methodologies for teaching and assessing young children in mathematics concepts and skills through an integrated, developmentally appropriate program. Fall.

MAE 4326 ED-TL&L 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-TL&L 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 5327 ED-TL&L 3(3,0) Teaching Middle School Mathematics: PR: EDG 6205, EDG 6215, EDG 6225, or C.I. A course focusing on teaching mathematics in grades 5-9. The use of technology, cooperative learning, ESOL, and manipulatives is considered. Occasional.

MAE 5338 ED-TL&L 3(3,0) Current Methods in Secondary School Mathematics: PR: EDG 4323 or EDG 6236 or C.I. Required special methods course for mathematics 6-12 certification. Assessment, curriculum, technology, practical classroom ideas and activities. Occasional.

MAE 5900 COS-MATH 3(3,0) Post-Secondary Mathematics: PR: Graduate status or senior standing or C.I. The course will focus on issues which are faced by teachers of collegiate mathematics. Topics will be selected from teaching issues, program issues, and research issues. Fall, Spring.

MAN 2021 BA-MAN 3(3,0) Management: PR: Junior standing. For non-business majors only. The interdisciplinary application of the managerial functions of planning, organizing, leading, and controlling. For Non-Business Major ONLY. Occasional.

MAN 3025 BA-MAN 4(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 theory, human behavior and control. Fall, Spring.

MAN 3025H BA-MAN 4(4,0) Honors Management of Organizations: PR: Senior standing and approved major or minor. Provides students with a complete, comprehensive review of essential human resource management concepts and techniques. Applicable to all students of management. Fall, Spring.

MAN 3032 BA-MAN 3(3,0) Management of Human Resources: PR: Junior standing and approved major or minor. Provides students with a complete, comprehensive review of human resource management practices and policies and the organizational role of the HRM function. Occasional.

MAN 3034 BA-MAN 3(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.


MAN 4101 BA-MAN 3(3,0) Human Relations in Management: PR: Management major, MAN 3325. The study of individual, interpersonal, group, and intergroup problems in business organizations through the use of cases and experimental exercises. Fall, Spring.

MAN 4240 BA-MAN 3(3,0) Organizations: Theory and Behavior: PR: Management major, MAN 3325. Geometric/macro approach to the study of organizations by integrating organizational theory and organizational behavioral science concepts. Fall, Spring.

MAN 4310 BA-MAN 3(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.

MAN 4320 BA-MAN 3(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.

MAN 4330 BA-MAN 3(3,0) Compensation Administration: PR: Management major, MAN 3301. Presentation of compensation theory and current pay related issues and their application to the design and administration of pay systems in large and small organizations. Fall, Odd Spring.

MAN 4350 BA-MAN 3(3,0) Training and Development: PR: Management major, MAN 3301. This course focuses on training and development activities as performed by organizational specialists. Theory, issues, practices and problems are discussed. Fall, Spring.

MAN 4401 BA-MAN 3(3,0) Labor Relations Management: PR: Management major, Junior standing, MAN 3301. The impact of employee organizations on labor relations, current problems, conflicts and trends; the development of managerial approaches to achieve labor-management cooperation. Occasional.

MAN 4441 BA-MAN 3(3,0) Conflict Resolution and Negotiation: PR: MAN 3025. Conflict resolution and negotiation theories and processes applied to human resource management practices and other management activities in work organizations. Occasional.

MAN 4521 BA-MAN 3(3,0) Production Planning and Control: PR: Management major, MAN 3250. In depth study on long-range, intermediate-range and short-range planning and control methods as applied to a manufacturing organization. Occasional.

MAN 4583 BA-MAN 3(3,0) Project Management: PR: GEB 3031 and MAN 3255. Foundations of project management in assorted business organizations (large/small; manufacturing/service; for profit/ not for profit). Covers all project phases from initiation to termination. Occasional.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits (Hours)</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAN 4600</td>
<td>International Management</td>
<td>3(3,0)</td>
<td>PR: Approved major or minor, MAS 3105. Course examines issues involved in multinational management of business firms, with special emphasis on comparative management. Fall, Spring.</td>
</tr>
<tr>
<td>MAN 4701</td>
<td>Business Ethics and Society</td>
<td>3(3,0)</td>
<td>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>
</tr>
<tr>
<td>MAN 4720</td>
<td>Strategic Management</td>
<td>4(4,0)</td>
<td>PR: MAN 3025, MAR 3023, FIN 3403C and GEB 3001. Students assume a strategic view of organizations and integrate and apply material learned in a sponsoring organization to modern organizational problems and opportunities. Fall, Spring.</td>
</tr>
<tr>
<td>MAN 4802</td>
<td>Entrepreneurship</td>
<td>3(3,0)</td>
<td>PR: GEB 3001 or (MAN 3025 and MAN 3023). Study of entrepreneurship with emphasis on innovative feasibility planning, product and service concepts, and organizing and developing a new venture. Fall, Spring.</td>
</tr>
<tr>
<td>MAN 4804</td>
<td>Small Business Consulting</td>
<td>3(3,0)</td>
<td>PR: 3.0 GPA and Business major in graduation term. Students are assigned teams and work with a local small business. Occasional.</td>
</tr>
<tr>
<td>MAN 4941</td>
<td>Management Internship</td>
<td>3(0,3)</td>
<td>PR: Management major, application approval, consent of department chair. Provides student with supervised, management-related work experience in a sponsoring organization, see department for information; application required. May be repeated for credit. Occasional.</td>
</tr>
<tr>
<td>MAN 5021</td>
<td>Management Foundations</td>
<td>1.5(1.5)</td>
<td>PR: Graduate standing or C.I. Theory and practice of managing organizations to include planning, organizational theory, human behavior, and control. Fall, Spring.</td>
</tr>
<tr>
<td>MAN 5050</td>
<td>Management Concepts</td>
<td>2(2.0)</td>
<td>PR: Acceptance in MBA program. Theory and practice of managing organizations to include planning organizational theory, human behavior, and control. Occasional.</td>
</tr>
<tr>
<td>MAN 5867</td>
<td>Small Business Consulting</td>
<td>3(3,0)</td>
<td>PR: C.I. Hands-on small business consulting course. Students are assigned teams and work with a small local business. Occasional.</td>
</tr>
<tr>
<td>MAP 2302</td>
<td>COS-MATH</td>
<td>3(3,0)</td>
<td>PR: Grade of “C” (2.0) or better in MAC 2312, and methods of solving for first order equations. Linear equations. Laplace transforms. Series solutions. Selected applications. Fall, Spring.</td>
</tr>
<tr>
<td>MAP 2302H</td>
<td>COS-MATH (Honors)</td>
<td>3(3,0)</td>
<td>PR: Grade of “C” (2.0) or better in MAC 2312, and methods of solving for first order equations. Linear equations. Numerical methods; Laplace transforms. Series solutions. Selected applications. Students will complete projects. For Honors students from all disciplines. Occasional.</td>
</tr>
<tr>
<td>MAP 3482H</td>
<td>COS-MATH (Honors)</td>
<td>3(3,0)</td>
<td>PR: Permission of Honors and MAC 2312. Population growth dynamics; spread of an epidemic; ecological predator-prey relationships; insulin and its use in the control of diabetes; economic systems. Occasional.</td>
</tr>
<tr>
<td>MAP 3923</td>
<td>COS-MATH</td>
<td>1(1.0)</td>
<td>PR: MAP 2302 and MAC 3105. 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>
</tr>
<tr>
<td>MAP 3937</td>
<td>COS-MATH</td>
<td>1(1.0)</td>
<td>PR: MAC 2311 and CR: MAC 2312; or C.I. Methods for solving problems in a wide variety of standing or new fields, with an emphasis on proper mathematical technique and writing of solutions. Graded S/U. May be repeated for credit. Fall.</td>
</tr>
<tr>
<td>MAP 4103</td>
<td>COS-MATH</td>
<td>3(3,0)</td>
<td>PR: MAC 2311 and MAP 2302. An overview of model construction. Model fitting, optimization models, empirical construction and modeling dynamic behavior. Spring.</td>
</tr>
<tr>
<td>MAP 4113</td>
<td>COS-MATH</td>
<td>3(3,0)</td>
<td>PR: MAC 2313. Elementary probability; modes of convergence; martingales, Gaussian, Wiener, and diffusion processes; Brownian motion; applications. Occasional.</td>
</tr>
<tr>
<td>MAP 4153</td>
<td>COS-MATH</td>
<td>3(3,0)</td>
<td>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>
</tr>
<tr>
<td>MAP 4171</td>
<td>COS-MATH</td>
<td>3(3,0)</td>
<td>PR: MAC 2312. Optimization for Actuarial Science. PR: MAC 2312 and STA 2023. Linear and dynamic programming, project scheduling, integer programming, theory of queues and stochastic simulation. Occasional.</td>
</tr>
<tr>
<td>MAP 4363</td>
<td>COS-MATH</td>
<td>3(3,0)</td>
<td>PR: MAC 2313, MAR 3025 and 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 presented for a sense of diversity. Occasional.</td>
</tr>
<tr>
<td>MAP 4364</td>
<td>COS-MATH</td>
<td>3(3,0)</td>
<td>PR: MAC 2313, MAR 3025 and 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>
</tr>
<tr>
<td>MAP 4371</td>
<td>COS-MATH</td>
<td>3(3,0)</td>
<td>PR: C.I. Hands-on small business consulting course. Students are assigned teams and work with a small local business. Occasional.</td>
</tr>
<tr>
<td>MAP 4384</td>
<td>COS-MATH</td>
<td>3(3,0)</td>
<td>PR: 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>
</tr>
<tr>
<td>MAP 5106</td>
<td>COS-MATH</td>
<td>3(3,0)</td>
<td>PR: MAP 2302 and MAP 3105. Theory of modern methods of numerical computation and numerical analysis in linear algebra and differential equations; non-linear optimization, finite element methods, adaptive quadrature. Occasional.</td>
</tr>
<tr>
<td>MAP 5117</td>
<td>COS-MATH</td>
<td>3(3,0)</td>
<td>PR: C.I. Mathematical Modeling; STA 4321, MAC 4363, It is useful to use which students who have mastered this content do not have to take this course. Occasional.</td>
</tr>
<tr>
<td>MAP 5336</td>
<td>COS-MATH</td>
<td>3(3,0)</td>
<td>PR: MAA 5228 or C.I. Existence and uniqueness of solutions of differential equations, systems of ordinary differential equations, autonomous systems, phase plane analysis, stability, bifurcations. Spring.</td>
</tr>
<tr>
<td>MAP 5396</td>
<td>COS-MATH</td>
<td>3(3,0)</td>
<td>PR: MAP 3106, MAP 3105, or C.I. Univariate statistics and their application to data fitting, Applications to regression analysis, differential and integral equations. Algorithms to use different types of splines in computation. Occasional.</td>
</tr>
<tr>
<td>MAP 5404</td>
<td>COS-MATH</td>
<td>3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>MAP 5426</td>
<td>COS-MATH</td>
<td>3(3,0)</td>
<td>Special Functions. PR: MAP 2302, and graduate status or senior standing or C.I. Series and integral representations, generating functions, recurrence relations and orthogonality properties of the special functions. Emphasis on Bessel, Legendre and hypergeometric functions. Occasional.</td>
</tr>
<tr>
<td>MAP 5435</td>
<td>COS-MATH</td>
<td>3(3,0)</td>
<td>PR: MAC 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.</td>
</tr>
<tr>
<td>MAP 5514</td>
<td>COS-MATH</td>
<td>3(3,0)</td>
<td>PR: MAP 2302 and MAP 3105. Linear and Nonlinear Waves. PR: MAP 2302, MAC 4363, and graduate status or senior standing, or C.I. Equations of motion in inviscous and viscous fluids, energy equation and energy flux, linear theory of gravity and capillary-gravity waves, variational principles for water waves. Occasional.</td>
</tr>
<tr>
<td>MAP 5931</td>
<td>COS-MATH</td>
<td>1(1.0)</td>
<td>PR: GEB 3001 or ESI 4312, and graduate status or senior standing or C.I. Options for Honors College. Honors introductory course in marketing. Topics include customer orientation, segmentation, positioning, strategic marketing management, implementation, and control. Fall, Spring.</td>
</tr>
<tr>
<td>MAR 3023</td>
<td>BA-MAR</td>
<td>4(4,0)</td>
<td>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.</td>
</tr>
<tr>
<td>MAR 3023H</td>
<td>BA-MAR</td>
<td>4(4,0)</td>
<td>PR: Consent of Honors. Planning and management of all activities involved in designing and managing the processes, assets, and flows of materials and information required to meet customers’ demands. Fall, Spring.</td>
</tr>
<tr>
<td>MAR 3023H</td>
<td>BA-MAR</td>
<td>4(4,0)</td>
<td>PR: Consent of Honors. Planning and management of all activities involved in designing and managing the processes, assets, and flows of materials and information required to meet customers’ demands. With Honors content. Fall, Spring.</td>
</tr>
<tr>
<td>MAR 5393</td>
<td>BA-MAR</td>
<td>3(3,0)</td>
<td>PR: MAP 2302 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. [10pt] Planning and execution of advertising, sales promotion, and sales training. Written and verbal communications programs. Occasional.</td>
</tr>
<tr>
<td>MAR 3391</td>
<td>BA-MAR</td>
<td>3(3,0)</td>
<td>PR: MAP 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Written and verbal communications skills applied to marketing settings. A significant portion of the course is devoted to the study of professional selling. Fall, Spring.</td>
</tr>
</tbody>
</table>
UCF Courses and Descriptions

MAR 3391H BA-MAR 3(3.0) Honors Professional Selling: PR: MAR 3023 and consent of Honors, or C.I. Applied written and verbal commu-
nication skills learned within the context of professional selling with honors content. Spring.

MAR 3403 BA-MAR 3(3.0) Sales Force Management: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Emphasis on sales management process. Options: emphasis on sales program formulation and implementation. Fall, Spring.

MAR 3503 BA-MAR 3(3.0) Consumer Behavior: PR: MAR 3023 with a grade of C (2.0) or better and common program prerequisites and appropriate major or minor. Emphasis on customer buying behavior, understanding long-term customer relationships, segmentation of markets and positioning strategies. Fall, Spring.

MAR 3613 BA-MAR 3(3.0) Marketing Analysis and Research: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor and one of the following: STA 3024 with a grade of C (2.0) or better or ECO 3200 with a grade of C (2.0) or better. Analysis tools and their application to marketing problems and decision making. Fall, Spring.

MAR 3641 BA-MAR 3(3.0) Marketing Intelligenc: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Contemporary sources and applications of information concerning external forces impacting market decision making. Fall, Spring.

MAR 3721 BA-MAR 3(3.0) Technology Applications in Marketing: PR: MAR 3023 with a grade of C (2.0) or better and completion of Common Program Prerequisites and appropriate Major or Minor. Application of contemporary technology to marketing decision-making. Occasional.

MAR 3765 BA-MAR 3(3.0) Entrepreneurial Marketing: PR: MAR 3023 with a grade of C (2.0) or better and common program prerequisites and appropriate Major or Minor. Exploration of how marketing and entrepreneurship affect and are affected by one another. Fall, Spring.

MAR 4156 BA-MAR 3(3.0) International Marketing: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Explores strategies, policy and the variables in international marketing decisions. Fall, Spring.

MAR 4231 BA-MAR 3(3.0) Retailing Management: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Analysis of the field of retailing. Emphasis on planning for profit through management, inventory control, etc. Occasional.

MAR 4413C BA-MAR 3(2.3) Strategic Issues in Sales-Lecture: PR: MAR 3023, MAR 4415C, common program prerequisites, approved major or minor, and department consent. Advanced study of selected contemporary strategic issues in selling and sales management. Spring.

MAR 4415C BA-MAR 3(3.0) Advanced Professional Selling: PR: MAR 3023 and common program prerequisites and appropriate Major or Minor and MAR 3391 and Department Consent. Advanced study of the professional selling process, including team selling, negotiating, customer conflict management, and CRM systems. Fall.

MAR 4711 BA-MAR 3(3.0) Sport Marketing: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Study of marketing as it applies to the sports and leisure industry. Occasional.

MAR 4712 BA-MAR 3(3.0) Healthcare Marketing: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Study of marketing as it applies to healthcare manufacturers, intermediaries and providers. Occasional.

MAR 4715 BA-MAR 3(3.0) Entertainment Marketing: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Application of marketing theory and tools to the marketing of products and services in the entertainment industry. Occasional.

MAR 4803 BA-MAR 3(3.0) Marketing Management: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and Marketing Major or Minor and MAR 3503 with a grade of C (2.0) or better and MAR 3613 with a grade of C (2.0) or better. Planning, organizing, implementing, monitoring and controlling marketing programs to effectively compete in dynamic and diverse business environments. Fall, Spring.

MAR 4804 BA-MAR 3(3.0) Marketing Strategy: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and Marketing Major or Minor and MAR 4803 with a grade of C (2.0) or better. Marketing problems are explored, with emphasis on strategy formulation and integrative marketing decision-making. Fall, Spring.

MAR 4841 BA-MAR 3(3.0) Services Marketing: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Examination of marketing in services industries, especially unique aspects of services marketing, their service marketing mix, and the implementation of services strategies. Fall, Spring.

MAR 4934 BA-MAR 3(3.0) Contemporary Marketing Topics in Florida: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Advanced study of selected topics relevant to major business sectors in the state of Florida, e.g., high technology, health care, sustainable marketing, housing, real estate, tourism, hospitality, sports, gaming, etc. Topics may vary from term to term. May be repeated for credit only when course content is different. Occasional.

MAR 4941 BA-MAR 3(3.0) Marketing Internship: PR: Marketing major, application approval, consent of department. Provides student with supervised, market-related work experience in a sponsoring organization. Application required. Fall, Spring.

MAS 3105 COS-MATH 3(4.0) Matrix and Linear Algebra: PR: MAC 2312 or C.I. Matrices, determinants, vector spaces in Rn, linear equations, linear independence; basis, solutions of systems, range of linear transformations, eigenvectors, Jordan Form, matrix functions, quadratic forms. Fall, Spring.

MAS 3106 COS-MATH 4(4.0) Linear Algebra: PR: MTH 3302, MAS 3105, or C.I. Abstract vector spaces, linear transformations, isomorphisms, projections, innerproducts, the spectral theorem, Jordan Canonical Form. (Only offered spring semester). Spring.

MAS 3203 COS-MATH 3(3.0) Introduction to Number Theory: PR: MTH 3302 or C.I. Course will include the following topics: inductive reasoning, factorization, the division algorithm and congruences. Spring.

MAS 3401 COS-MATH 3(3.0) Abstract Algebra I: PR: MAS 3302 and MAS 3106, or C.I. Sets and mappings, groups, subgroups, permutation groups, homomorphisms and isomorphisms, the isomorphism theorems, groups actions, the class equation, Sylow theorems, and rings. Fall.

MAS 3402 COS-MATH 3(3.0) Abstract Algebra II: PR: MAS 4301 or C.I. Advanced topics in abstract algebra, including ring theory and field theory; introduction to Galois theory. Spring.

MAS 4934 COS-MATH 3(3.0) Topics in Algebra and Discrete Mathematics: PR: MAS 3108, MAS 4301, and MAS 4203 or MAD 4301, or C.I. Advanced topics in abstract algebra and discrete mathematics. Selection of topics will vary. May be used in the degree program a maximum of 3 times. Occasional.

MAS 5145 COS-MATH 3(3.0) Advanced Linear Algebra and Matrix Theory: PR: MAS 3108 or C.I. Linear transformations, matrices, eigenvalues and eigenvectors, Jordan forms, positive definite matrices, bilinear and quadratic forms, functions of matrices. Even Fall.

MAS 5311 COS-MATH 3(3.0) Abstract Algebra with Applications: PR: MAS 4301 or undergraduate abstract algebra, and graduate status or senior standing or C.I. Group actions, the class equation, Sylow Theorems, polynomial rings, Euclidean domains, principal ideal domains, field extensions, modules, and semi-simple rings. Fall.

MAT 1033C COS-MATH 3(1.4) Intermediate Algebra: Reinforcement and development of algebra skills. Operations with polynomial, rational expressions; radicals; rational exponents, linear and quadratic equations, linear inequalities, absolute value equations. This course is a “bridge course” which may be applied towards a degree as elective credit. This course will not satisfy either the GEP or Gordon Rule. Occasional.

MAT 5712 COS-MATH 3(3.0) Scientific Computing: PR: MAC 2313, MAC 2322, MAS 3105, or C.I. Matlab fundamentals, computer arithmetic, non-linear equations, polynomial interpolation, divided differences, splines, curve fitting, least-squares method, numerical differentiation and Integration. Even Fall.

MCB 1311 COM-M&M 3(3.0) Introduction to Biotechnology and Genetic Engineering: Introduction to theories, laws, principles, foundations, scientific methods of genetic engineering & biotechnology and their applications in agriculture, environment and health. Fall.

MCB 2004C COM-M&M 4(3.2) Microbiology for Health Professionals: PR: BSC 2010C, CHM 1032 or CHM 2045C. A survey of microbiology for the health professional. Spring. M&S fee $45.00


MCB 3020S COM-M&M 3(3.5) General Microbiology Honors: PR: BSC 2010C, CHM 2046 or CR: CHM 2210, and consent of Honors. Same as MCB 3020 with enrichment and further development of analytical skills in a separate laboratory and discussion section. With Honors consent. Fall.

MCB 3202 COM-M&M 3(3.0) Principles of Infectious Disease: PR: MCB 3202. Introduction to host-pathogen interactions and microbial pathogenesis, with topics covering eukaryotic pathogens, virology, prokaryotic structure, pathogen identification, epidemiology, immunity, vaccines and antimicrobials, and virulence mechanisms. Occasional.

MCB 3203 COM-M&M 3(3.0) Pathogenic Microbiology: PR: MCB 3202 or C.I. Microorganisms producing disease in man and other animals; means of transmission; protection against disease. Spring.

MCB 3203L COM-M&M 1(0.3) Pathogenic Microbiology Lab: CR: MCB 3203. Laboratory investigation of pathogenic microorganisms, with emphasis on isolation and identification of pathogenic microorganisms. Spring. M&S fee $45.00

MCB 3404 COM-M&M 3(3.0) Bacterial Genetics and Physiology: PR: PCB 3522. Basic principles of microbial genetic analysis and emphasizing how; microbial genetic approaches are used to understand fundamental physiological processes in bacteria. Spring.
Discussion of current theories of the infectious process and


Molecular Virology: PR: Graduate standing or C.I. An in-depth examination of the molecular aspects and current concerns in virology including HIV, tumor viruses, Prion disease, virus-host interaction, genome replication and pathogenesis. Occasional.

Cellular Microbiology: Host-Pathogen Interactions: PR: MCB 3020C. Examination of the molecular details of host-pathogen interactions. Key areas of cell biology will be considered in relation to microbial pathogenesis. Spring.

Epidemiology of Infectious Diseases: PR: MCB 3020C. Interrelationships between the biological activities of microorganisms and their terrestrial and aquatic environments. Fall.

Microbial Metabolism: PR: MCB 3020C. Principles, techniques, and applications of Molecular Biotechnology in genetically modified food, cloning, gene therapy, and forensics; transgenic animals; patents and regulations. Fall.


Environmental Microbiology: PR: MCB 3020C. Interrelationships between the biological activities of microorganisms and their terrestrial and aquatic environments. Fall.

Industrial Perspectives Seminar: PR: Biotechnology major and PR: MCB 3020C. Concepts and techniques of basic research and drug development. Speakers from the biotechnology/pharmaceutical industry will show applications. Occasional.

Methods in Biotechnology: PR: BSC 3402C. Fluorescence and luminescence-based assays used in biopharmaceutical industry for target validation. Occasional. M&S fee $70.00

Molecular Virology: PR: Graduate standing or C.I. An in-depth overview of the fundamental aspects and current concerns in virology including HIV, tumor viruses, Prion disease, virus-host interaction, genome replication and pathogenesis. Occasional.

Current Topics in Molecular Biology: PR: Graduate standing or C.I. Selected current research topics from the primary literature reflecting recent advances in molecular biology. May be repeated for credit. Occasional.

Environmental Microbiology: PR: MCB 3020C. Principles, techniques, and applications of Molecular Biotechnology in genetically modified food, cloning, gene therapy, and forensics; transgenic animals; patents and regulations. Fall.

Microbial Metabolism: PR: MCB 3020C, CR: BCH 4053. Interrelationships between cellular structure function and genetic traits in microorganisms. The interaction between microorganisms and their nutritional environment. Fall, Spring.

Cellular Microbiology: Host-Pathogen Interactions: PR: MCB 3020C or C.I. Discussion of current theories of the infectious process and the response of host cells and tissue to infection. Fall.


Industrial Perspectives Seminar: PR: Biotechnology MS students. Learning concepts of basic research and drug development in the pharmaceutical industry and technical presentation. May be used in the degree program a maximum of 2 times. Fall.

Molecular Virology: PR: Graduate standing or C.I. An in-depth examination of the molecular aspects and current concerns in virology including HIV, tumor viruses, Prion disease, virus-host interaction, genome replication and pathogenesis. Occasional.

Genetic Engineering and Biotechnology: PR: PCB 3522 and PCB 4524 or C.I. Principles of Genetic Engineering/Biotechnology in Bacteria, Yeast, Viral, Mammalian, Non-mammalian systems, Plants, including human gene therapy, novel pharmaceuticals, recombinant proteins will be discussed indepth. Fall.

Microbial Biochemistry of industrial processes including: economics, screening, scale up, quality control and applied genetics. Occasional.

Methods in Biotechnology: PR: Graduate standing or C.I. Selected current research topics from the primary literature reflecting recent advances in molecular biology. May be repeated for credit. Occasional.

Technical Seminars: PR: PCB 3703C or C.I. Analysis of body fluids and urine by chemical and microscopic methods with interpretation and correlation to human disease. Fall. M&S fee $70.00

Hematology: PR: CHM 2210 and PCB 3703C. Overview of the hematopoietic system and disease states associated with blood and bone marrow. Spring.

Hematology Lab: PR: MLS 3005. Practical laboratory procedures routinely performed for analyzing hematologic abnormalities. Spring.

Concepts in Education/Management: 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

Clinical Parasitology: PR: MCB 3020C, CHM 2210, PCB 3703C or C.I. Instruction and laboratory practice in the examination and study of clinical material for the identification and identification of animal parasites. Even Fall. M&S fee $15.00

Clinical Pathogenic Microbiology: PR: Admission to the professional phase of the MLS program. Analysis of clinically pathogenic bacteria, fungi, viruses and their correlation to disease. Spring. M&S fee $45.00


Clinical Immunohematology: PR: Admission to the professional phase of the MLS program or C.I. Investigation of incompatible crossmatches; antibody identification, leukocyte antigens and identification procedures, problem solving. Spring. M&S fee $70.00

Advanced Clinical Chemistry I: PR: CHM 2210, PCB 3703C or C.I. Correlation of lab test to specific disease states including deviations in carbohydrate, amino acid metabolism, renal function, gastro function, electrolytes, and blood gases. Fall.

Advanced Clinical Chemistry I Lab: CR: MLS 4625. Laboratory procedures routinely performed in a clinical chemistry laboratory. Fall. M&S fee $70.00

Advanced Clinical Chemistry II: PR: CHM 2210, PCB 3703C or C.I. Correlation of laboratory tests to specific human disease states. Spring.
MUE 3333 CAH-MUSIC 3(3,0)

MUE 3353 CAH-MUSIC 2(2,0)

MUE 3451 CAH-MUSIC 11(1,0)
Woodwind Techniques II: PR: MUE 2450, MUE major, Junior standing or C.I. Continuation of Woodwind Techniques I, with emphasis on double reeds. Occasional.

MUE 3461 CAH-MUSIC 1(1,1)
Brass Techniques II: PR: MUE 2460. Continued study of performance techniques, teaching skills, resources, and materials required to teach brass instruments to beginning, middle, and high school level students. Odd Spring.

MUE 3490 CAH-MUSIC 1(1,0)

MUE 3691 CAH-MUSIC 2(2,0)
Technology in Music Education: PR: MUE 2040, or C.I. Productivity software, classroom management tools, web design and other technological tools for classroom teaching. Odd Spring. M&S fee $2.00

MUE 3942 CAH-MUSIC 3(3,0)
Music Internship I: PR: MUE 4311, MUE 3333, EDG 4410, TGL 4080, EDG 4653 and RED 4043. Students experience various roles of a music teacher in elementary and secondary settings, including observation, micro-teaching, and the completion of various assignments. Graded S/U. Fall, Spring.

MUE 4311 CAH-MUSIC 2(2,0)
Elementary School Music Methods: PR: Junior standing, MUED major. Organization and administration of instruction for comprehensive music education, K-6, instructional planning, techniques, and materials for elementary music education. Fall.

MUE 4330 ED-TL&L 2(2,0)
Secondary School Music Methods: PR: MUE 4311 or C.I. Instructional planning, techniques and materials in middle school, junior high and senior high classrooms; consideration of general music education program, evaluation materials and procedures. Spring.

MUE 4331 CAH-MUSIC 3(3,0)
Secondary Choral Methods I: PR: MUE 2040 or C.I. Examination of vocal and choral literature, planning skills and rehearsal techniques for choral groups. Odd Spring.

MUE 4332 CAH-MUSIC 3(3,0)
Secondary Instrumental Methods I: PR: MUE 2040. Wind, percussion, and string teaching methods for beginning and middle level students in a large classroom setting. Odd Spring.

MUE 4335 CAH-MUSIC 3(3,0)
Secondary Choral Methods II: PR: MUE 4331. Continued examination of vocal and choral literature, planning skills and rehearsal techniques for choral groups. Odd Spring.

MUE 4350 ED-TL&L 2-3(2-3,0)

MUE 4354 ED-TL&L 3(3,0)

MUE 4393 CAH-MUSIC 2(2,0)
Music and Students with Special Needs: PR: MUE 2040 or C.I. Examination of the general education music curriculum in regards to students with disabilities and special needs. Odd Fall.

MUE 4394 CAH-MUSIC 1(1,0)

MUE 4441 CAH-MUSIC 3(3,0)

MUE 4943 CAH-MUSIC 12(12,0)

MUE 5348C CAH-MUSIC 4(4,0)

MUE 5921 CAH-MUSIC 2(2,0)
Music Education Workshop: PR: Graduate standing or C.I. Variable topics in Music Education to offer hands-on instruction in a workshop format. May be used in the degree program a maximum of 4 times only when course content is different. Occasional.

MUG 3104 CAH-MUSIC 2(1,1)
Basic Conducting: PR: MUT 1122 or C.I. Fundamental techniques and practice in conducting. Fall.

MUG 3202 CAH-MUSIC 3(3,0)

MUG 3302 CAH-MUSIC 3(3,0)

MUG 4103C CAH-MUSIC 2(1,1)
Advanced Conducting: PR: C.I. Study of advanced vocal or instrumental conducting techniques. Rehearsal procedures, selection of materials and program-building, interpretation of scores, study and performance of selected works. May be repeated for credit. Occasional.

MUH 2017 CAH-MUSIC 3(3,0)

MUH 2017H CAH-MUSIC 3(3,0)
Honors Survey of Rock Music: PR: Consent of Honors. Rock music, 1500's to present, with emphasis on cultural and musical meaning. With Honors content. Even Fall.

MUH 2019 CAH-MUSIC 3(3,0)
American Popular Music, 1840s-present: Musical and cultural development of popular music in the United States from the 1840s to the present. Fall, 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: MUL 2014 and MUT 1122. History of Western European and American music from Antiquity to 1750. Fall, Spring.

MUH 3212 CAH-MUSIC 3(3,0)
Music History and Literature II: PR: MUL 2014 and MUT 1122. History of Western European and American music from 1750 to present. Fall, Spring.

MUH 4218 CAH-MUSIC 1(1,0)

MUH 4322 CAH-MUSIC 3(3,0)
Medieval and Renaissance Music: PR: MUG 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 or C.I. Music and culture of Western Europe in the era c. 1700-1830. Even Fall.

MUH 4361 CAH-MUSIC 3(3,0)
Music of the 19th Century: PR: 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 nineteenth century. Odd Fall.

MUH 4371 CAH-MUSIC 3(3,0)
Music Since 1900: PR: MUH 3211, MUH 3212, or C.I. Western art music since 1900. Odd Spring.

MUH 4814 CAH-MUSIC 3(3,0)
Jazz Styles and Analysis: PR: MUL 3171 and MUL 2016, or C.I. Historical styles 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 5565 CAH-MUSIC 3(3,0)
Music and Opera: PR: Graduate standing in Music or C.I. An in-depth examination of Western European opera, from its origins around 1600 until the present day. Even Spring.

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.
MUL 2014 CAH-MUSIC 3(3,0) Introduction to Music History and Literature: PR: Music major or C.I. Musical repertoires and cultures from the Western art music tradition, American jazz, and non-western music. Odd Fall.

MUL 2016 CAH-MUSIC 3(3,0) Evolution of Jazz: Survey of jazz literature and performance. Fall, Spring.

MUL 2720 CAH-MUSIC 3(3,0) Music of the World: Music in cross-cultural context. Relation of music to religion and society. Fall, Spring.

MUL 3400 Piano Literature I: PR: Major in Music or C.I. Study of the symphonic repertoire from the 18th century to the present, with emphasis on technical, formal and performance problems. Odd Fall.


MUL 3602 CAH-MUSIC 3(3,0) Song Literature: PR: MUL 2014 or C.I. Classical song literature written in English and common foreign languages, and proven methods of effective song study. Odd Fall.

MUL 4437 CAH-MUSIC 3(3,0) String Literature and Pedagogy: PR: MUL 2014. Important literature written for string instruments, and basic concepts and techniques to teach string. Odd Spring.

MUL 4438 Guitar Literature and Pedagogy: PR: MUL 2014. Important literature written for guitar instruments, and techniques to teach guitar. Odd Fall.

MUL 4443 CAH-MUSIC 3(3,0) Brass Literature and Pedagogy: PR: MUL 2014. Important literature written for brass instruments, and basic concepts and techniques to teach brass. Odd Spring.

MUL 4444 CAH-MUSIC 3(3,0) Woodwind Literature and Pedagogy: PR: Music major and MUL 2014. Important literature written for woodwind instruments, and basic concepts and techniques to teach woodwinds. Odd Fall.


MUL 5436 CAH-MUSIC 3(3,0) Guitar Literature and Pedagogy: PR: Graduate standing in Music or C.I. Survey of significant repertoire and pedagogy for classical guitar. Odd Spring.

MUL 5439 CAH-MUSIC 3(3,0) String Literature and Pedagogy: PR: Graduate standing in Music or C.I. Study of string literature from the Baroque period to the 20th century, along with prominent pedagogical principles. Odd Fall.

MUL 5447 CAH-MUSIC 3(3,0) Woodwind Literature and Pedagogy: PR: Graduate standing in Music or C.I. Major works written for woodwind instruments, as well as the study of the basic concepts and techniques fundamental to teaching woodwind instruments. Odd Spring.

MUL 5448 CAH-MUSIC 3(3,0) Brass Literature and Pedagogy: PR: Graduate standing in Music or C.I. Significant brass repertoire, study materials and a review of teaching techniques for artistic brass performance. Even Fall.

MUM 5806 CAH-MUSIC 3(3,0) Performing Arts Management: PR: Graduate status or senior standing or C.I. Structure of nonprofit performing arts organizations (PAOs), examining the fundamental elements of administration, audience development, marketing, and fund-raising. Spring.

MUN 2442 CAH-MUSIC 1(1,0) Percussion/Mallet Ensemble: PR: C.I. Preparation and performance of music for percussion with mallets. May be repeated for credit. Fall, Spring. M&S fee $30.00

MUN 3113 CAH-MUSIC 2(0,8) Marching Band: PR: Admission by audition. Preparation for appearance at football games and special occasions. May be repeated for credit. Fall. M&S fee $36.54

MUN 3123 CAH-MUSIC 1(0,3) Concert Band: PR: Open to all students with audition. Study and performance of music for large ensembles. May be repeated for credit. Fall, Spring, M&S fee $20.00

MUN 3143 CAH-MUSIC 1(0,4) Wind Ensemble: PR: Open to all students by audition. Study and performance of music for wind ensemble and band. May be repeated for credit. Fall, Spring, M&S fee $20.00

MUN 3283 CAH-MUSIC 1(0,5) Symphony Orchestra: PR: Audition. Open to all students by audition. Rehearsal and performance of works from the symphonic repertoire. May be repeated for credit. Fall, Spring, M&S fee $20.00

MUN 3313 CAH-MUSIC 1(3,0) University Choir: PR: C.I. Open to all students by audition. Study and performance of large ensemble music. Possible tours. May be repeated for credit. Fall, Spring. M&S fee $20.00

MUN 3323 CAH-MUSIC 1(0,3) Women’s Chorus: PR: Audition and C.I. Study and performance of music for women’s voices. Open to all students. May be repeated for credit. Fall, Spring, M&S fee $20.00

MUN 3343 CAH-MUSIC 1(0,3) Madrigal Singers: PR: C.I. Open to all students by audition. Extra rehearsals and Madrigal Dinners required. Tours. May be repeated for credit. Fall, Spring. M&S fee $20.00

MUN 3423 CAH-MUSIC 1(0,2) Woodwind Ensemble: PR: C.I. Open to all students. Study and performance of music for small ensembles. May be repeated for credit. Fall, Spring. M&S fee $20.00

MUN 3426 CAH-MUSIC 1(1,0) Saxophone Ensemble: PR: Students must pass an audition in front of the instructor. An in-depth study and performance of music written for an ensemble comprised of all saxophones. May be used in the degree program a maximum of 4 times. Fall. Spring. M&S fee $20.00

MUN 3427 CAH-MUSIC 1(1,0) Flute Ensemble: PR: Student must pass an audition in front of the instructor. Study and performance of music written for an ensemble comprised of all flutes. May be used in the degree program a maximum of 8 times. Fall, Spring. M&S fee $20.00

MUN 3431 CAH-MUSIC 1(0,2) Brass Quintet: PR: Audition and Consent of Instructor. Rehearsal and performance of music for brass quintet. May be used in the degree program a maximum of 4 times only when course content is different. Fall, Spring. M&S fee $20.00

MUN 3433 CAH-MUSIC 1(0,2) Brass Ensemble: PR: C.I. Open to all students. Study and performance of music for small ensembles. May be repeated for credit. Fall, Spring. M&S fee $20.00

MUN 3437 CAH-MUSIC 1(1,0) Trumpet Ensemble: PR: C.I. Rehearsal and performance of music for trumpet ensemble. May be repeated for credit. Occasional. M&S fee $20.00

MUN 3443 CAH-MUSIC 1(0,2) Percussion Ensemble: PR: C.I. Open to all students. Study and performance of music for small ensembles. May be repeated for credit. Fall, Spring. M&S fee $35.00

MUN 3444 CAH-MUSIC 1(1,0) Mallet Ensemble: PR: C.I. Preparation and performance of music for mallet ensemble. May be repeated for credit. Fall, Odd Spring. M&S fee $35.00

MUN 3453 CAH-MUSIC 1(0,3) Piano Ensemble: PR: Open to Music Majors or C.I. Study and performance of music for small ensembles. May be repeated for credit. Fall, Spring. M&S fee $20.00

MUN 3483 CAH-MUSIC 1(0,2) String Ensemble: PR: C.I. Open to all students. Study and performance of music for small ensembles. May be repeated for credit. Fall, Spring. M&S fee $20.00

MUN 3487 CAH-MUSIC 1(0,2) Guitar Ensemble: PR: Audition or C.I. Study and performance of pre-classic music for multiple guitars. May be used in the degree program a maximum of 8 times. Odd Spring. M&S fee $20.00

MUN 3713 CAH-MUSIC 1(0,4) Jazz Lab: PR: C.I. Open to all students by audition. Study and performance of music for small ensembles. May be repeated for credit. Fall, Spring. M&S fee $20.00

MUN 3714 CAH-MUSIC 1(0,2) Jazz Combo: PR: Junior standing and C.I. Rehearsal and performance of music for small jazz combo, emphasizing improvisation. May be repeated for credit. Fall, Spring. M&S fee $20.00

MUN 3723 CAH-MUSIC 1(0,3) Vocal-Jazz Ensemble: PR: C.I. Open to all students. Study and performance of pre-classical music. May be repeated for credit. Occasional.

MUN 3813 CAH-MUSIC 1(1,1) Steel Drum Ensemble: PR: C.I. Rehearsal and performance of music arranged for steel drum band. May be repeated for credit. Fall, Spring. M&S fee $20.00

MUN 4476 CAH-MUSIC 1(0,2) Early Music Ensemble: PR: C.I. Open to all students. Study of varied literature for woodwinds and brass. May be repeated for credit. Fall, Spring. M&S fee $6.00

MUN 5125 CAH-MUSIC 1(0,3) Concert Band: PR: Open to all graduate students by audition. Study and performance of music for large ensembles. May be used in the degree program a maximum of 4 times. Odd Fall. M&S fee $20.00

MUN 5145 CAH-MUSIC 1(0,4) Wind Ensemble: PR: Open to all graduate students by audition. Study and performance of music for wind ensemble and band. May be used in the degree program a maximum of 4 times. Odd Fall. M&S fee $25.00

MUN 5215 CAH-MUSIC 1(0,5) Symphony Orchestra: PR: Open to all graduate students by audition. Rehearsal and performance of works from the symphonic repertoire. May be used in the degree program a maximum of 4 times. Odd Fall. M&S fee $20.00

MUN 5325 CAH-MUSIC 1(0,3) Women’s Chorus: PR: Open to all graduate students by audition. Study and performance of choral music for women’s voices. May be used in the degree program a maximum of 4 times. Odd Fall. M&S fee $20.00

MUN 5368 CAH-MUSIC 1(0,3) Graduate Madrigal Singers: PR: Graduate standing in Music Education and C.I. Study of varied literature for small vocal ensembles. May be used in the degree program a maximum of 5 times. Occasional. M&S fee $20.00

MUN 5385 CAH-MUSIC 1(0,3) Graduate University Chorus: PR: Graduate standing in Music Education and C.I. Study and performance of large ensemble music. May be used in the degree program a maximum of 5 times. Occasional. M&S fee $20.00
MUN 5445 CAH-MUSIC 1(0,2) Percussion Ensemble: PR: Open to all graduate students by audition. Study and performance of music for small percussion ensembles. May be used in the degree program a maximum of 4 times. Odd Fall. M&S fee $35.00

MUN 5465L CAH-MUSIC 1(0,2) Graduate Chamber Music: PR: Graduate standing in Music Education and C.I. The study and performance of vocal and/or instrumental chamber ensemble literature. Flexible instrumentation to meet student needs. May be used in the degree program a maximum of 5 times. Occasional. M&S fee $20.00

MUN 5478L CAH-MUSIC 1(0,3) Early Music Ensemble: PR: Graduate standing in Music Education and C.I. Graduate ensemble experience with instruments and repertoire of the Medieval, Renaissance, and Baroque periods. May be used in the degree program a maximum of 5 times. Occasional. M&S fee $5.00

MUN 5715L CAH-MUSIC 1(0,4) Jazz Ensemble: PR: Audition, graduate or senior standing, and C.I. Study and performance of jazz big band music. May be used in the degree program a maximum of 4 times only when course content is different. Fall, Spring. M&S fee $20.00

MUN 5716L CAH-MUSIC 1(0,2) Jazz Chamber Group: PR: Audition, graduate standing or senior standing, and C.I. Study and performance of jazz small group music. May be used in the degree program a maximum of 4 times. Fall, Spring. M&S fee $20.00

MUO 2501C CAH-MUSIC 2(1,1) Opera Skills: PR: Open to all students by audition. Integration of singing, acting, and movement in opera; explores basic stage movement, character preparation, and performance of opera arias. Fall.

MUO 3503L CAH-MUSIC 1(0,3) Opera Workshop: PR: MUO 2501C or C.I., and audition. Study, preparation, and performance of opera literature. May be used in the degree program a maximum of 6 times. Occasional. M&S fee $70.00

MUO 5505L CAH-MUSIC 1(0,3) Graduate Opera Workshop: PR: C.I. and audition. Study of audition techniques, operatic roles and repertoire, and characterization through performance. May be used in the degree program a maximum of 5 times. Occasional. M&S fee $70.00

MUS 1010 CAH-MUSIC 0(9,2) Music Forum: A series of special musical events required of music majors. Includes lectures and recitals by faculty, students, and guest artists. Graded S/U. May be repeated for credit. Fall, Spring.

MUS 1250 CAH-MUSIC 1(2,0) IPA for Singers: PR: Music major or C.I. The International Phonetic Alphabet and its application to English, French, German, and Italian music written for voice. Odd Fall.


MUS 2360C CAH-MUSIC 3(2,2) Analysis of Twentieth-Century Music: PR: Music major or C.I. Study of music in a selection of the different styles practiced in the 20th century, with an emphasis on Western art music. Fall, Spring.

MUS 3254 CAH-MUSIC 2(2,0) Italian and French Lyric Diction: PR: MUS 1250. Study and applications of the correct sung pronunciation of the Italian and French languages. Odd Spring.

MUS 3255 CAH-MUSIC 2(2,0) German and English Lyric Diction: PR: MUS 1250. Study and applications of the correct sung pronunciation of the German and English languages. Odd Spring.

MUS 3953 CAH-MUSIC 0(1,0) Recital Performance I: PR: Junior Level Applied Music and C.I. Public recital of 30 minutes to demonstrate performance skills. Graded S/U. May be used in the degree program a maximum of 2 times. Fall, Spring.

MUS 4320 CAH-MUSIC 3(3,0) Music Business and Industry: PR: MUS 2360C or C.I. Today’s music industry copyright, publishing, contracts and licensing. Odd Spring.


MUS 4674 CAH-MUSIC 3(3,0) Health and Wellness for the Performing Musician: PR: MUS 2127 or C.I. Basic musculoskeletal anatomy, posture, common injuries and injury prevention, mental training, performance anxiety, practical performance, & pedagogic applications. Even Spring.

MUS 4900 CAH-MUSIC 3(3,0) Music BA Capstone Project: PR: C.I. Self-designed project, completed under faculty supervision, that demonstrates the ability to think critically and work independently while applying knowledge and skills from music and other subjects. Graded S/U. Occasional.

MUS 4905 CAH-MUSIC 1-4(1-4) Directed Experience: PR: C.I. and Junior standing. Special topics of study and research as determined by student/faculty consultation. May be repeated for credit. Occasional.

MUS 4954 CAH-MUSIC 0(1,0) Recital Performance II: PR: Senior level applied music and C.I. Public recital of 45 minutes to demonstrate performance skills. Graded S/U. May be used in the degree program a maximum of 2 times. Fall, Spring.

MUS 5365 CAH-MUSIC 3(3,0) Music and Technology: PR: Graduate status or senior standing, or C.I. The emergence of technology in music including MIDI, CD ROM, and the high-tech music classroom. Occasional.

MUS 5679 CAH-MUSIC 3(3,0) Wellness for the Performing Musician: PR: Graduate standing in music education or C.I. Various techniques and methods of maintaining physical health and wellness for musicians. Occasional.

MUT 1010 CAH-MUSIC 0(9,2) Music Theory: PR: MUL 2010 or equivalent. Techniques of analysis for various styles of twentieth-century music. Odd Fall, Even Spring.

MUT 3170 CAH-MUSIC 3(3,0) Jazz Theory I: PR: MUT 1122 or C.I. Study of theoretical concepts in jazz music, including practical keyboard applications. Even Fall.

MUT 3171 CAH-MUSIC 3(3,0) Jazz Theory II: PR: MUT 3170. Advanced study of theoretical concepts in jazz music, including practical keyboard applications. Odd Spring.

MUT 3622 CAH-MUSIC 3(3,0) Analytical Approaches to Musical Rhythm: PR: MUT 2127 or equivalent. Contemporary, cognitive, hypermetric, and projective approaches to musical rhythm in dance, performance, and non-Western music. Occasional.

MUT 3923 CAH-MUSIC 3(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-MUSIC 1(1,0) Review of Music Theory: PR: C.I. A comprehensive review of harmonic and analytic skills. May be repeated for credit. Occasional.

MUT 4311 CAH-MUSIC 3(3,0) Orchestration: PR: Graduate standing in Music or C.I. Study of the various instruments commonly found in orchestras and wind ensembles and how to write for these instruments in combination. Odd Spring.

MUT 5316 CAH-MUSIC 3(3,0) Orchestration: PR: Graduate standing in Music or C.I. Study of the various instruments commonly found in orchestras and wind ensembles and how to write for these instruments in combination. Odd Spring.

MUT 5381 CAH-MUSIC 3(0,3) Arranging and Composing Music: PR: Subjective placement tests in theory, sight-singing, and ear training, and graduate status or senior standing or C.I. Arranging and composing music for instrumental and vocal ensembles. Some emphasis on compositional techniques of the 20th century. Even Fall.

MUT 5445 CAH-MUSIC 3(3,0) Counterpoint: PR: Graduate standing in Music or C.I. Principles of counterpoint and the study of contrapuntal styles in Western music from the 16th century to the present day. Even Spring.

MUT 5620 CAH-MUSIC 3(3,0) Analysis of Twentieth Century Music: PR: Graduate standing in Music or C.I. A comprehensive analysis of music in a selection of the different styles practiced in the 20th century, with an emphasis on Western art music. Fall, Spring.

MUT 5936 CAH-MUSIC 3(3,0) Music Theory Seminar: PR: Graduate standing in music education or C.I. One or more issues of importance in music theory with emphasis on recent scholarly literature and debates. May be used in the degree program a maximum of 4 times. Odd Spring.

MVB 1211 CAH-MUSIC 10(1,1) Secondary Trumpet: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in trumpet. Intended for non-music majors. May be repeated for credit. Fall, Spring.

MVB 1212 CAH-MUSIC 10(1,0) Secondary French Horn: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in French horn. Intended for non-music majors. May be repeated for credit. Fall, Spring.
MVB 1213 CAH-MUSIC 1(0,1)

MVB 1214 CAH-MUSIC 1(0,1)

MVB 1215 CAH-MUSIC 1(0,1)
Secondary Tuba: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in tuba. Intended for non-music majors. May be repeated for credit. Fall, Spring.

MVB 1411 CAH-MUSIC 2(1,1)
Trumpet I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVB 1412 CAH-MUSIC 2(1,1)
French Horn I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVB 1413 CAH-MUSIC 2(1,1)
French Horn II: PR: MVJ 1213. Continuation of MVJ 1213. May be repeated for credit. Fall, Spring.

MVB 1414 CAH-MUSIC 2(1,1)
Euphonium I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVB 1415 CAH-MUSIC 2(1,1)
Tuba I: PR: Major in music or consent of chair; audition. May be repeated for credit. Even Fall, Spring.

MVB 2421 CAH-MUSIC 2(1,1)
Trumpet II: PR: MVB 1411 and competence determined by faculty jury. Continuation of MVB 1411. May be repeated for credit. Fall, Spring.

MVB 2422 CAH-MUSIC 2(1,1)
French Horn II: PR: MVB 1412 and competence determined by faculty jury. Continuation of MVB 1412. May be repeated for credit. Fall, Spring.

MVB 2423 CAH-MUSIC 2(1,1)
Trombone II: PR: MVB 1413 and competence determined by faculty jury. Continuation of MVB 1413. May be repeated for credit. Fall, Spring.

MVB 2424 CAH-MUSIC 2(1,1)
Euphonium II: PR: MVB 1414 and competence determined by faculty jury. Continuation of MVB 1414. May be repeated for credit. Fall, Spring.

MVB 2425 CAH-MUSIC 2(1,1)
Tuba II: PR: MVB 1415 and competence determined by faculty jury. Continuation of MVB 1415. May be repeated for credit. Fall, Spring.

MVB 3431 CAH-MUSIC 2-3(1,1)
Trumpet III: PR: MVB 2421. Continued study of performance skills of the trumpet, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVB 3432 CAH-MUSIC 2-3(1,1)
French Horn III: PR: MVB 2422 and competence determined by faculty jury. Continued study of performance skills of the French horn, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVB 3433 CAH-MUSIC 2-3(1,1)
Trombone III: PR: MVB 2423 and competence determined by faculty jury. Continued study of performance skills of the trombone, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVB 3434 CAH-MUSIC 2-3(1,1)
Euphonium III: PR: MVB 2424 and competence determined by faculty jury. Continued study of performance skills of the euphonium, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVB 3435 CAH-MUSIC 2-3(1,1)
Tuba III: PR: MVB 2425 and competence determined by faculty jury. Continued study of performance skills of the tuba, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVB 4441 CAH-MUSIC 2-3(1,1)
Trumpet IV: PR: MVB 3431. Intensive advanced performance study of the trumpet, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVB 4442 CAH-MUSIC 2-3(1,1)
French Horn IV: PR: MVB 3432 and competence determined by faculty jury. Intensive advanced performance study of the French horn for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVB 4443 CAH-MUSIC 2-3(1,1)
Trombone IV: PR: MVB 3433 and competence determined by faculty jury. Intensive advanced performance study of the trombone, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVB 4444 CAH-MUSIC 2-3(1,1)
Euphonium IV: PR: MVB 3434 and competence determined by faculty jury. Intensive advanced performance study of the euphonium, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVB 4445 CAH-MUSIC 2-3(1,1)
Tuba IV: PR: MVB 3435 and competence determined by faculty jury. Performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVB 5451 CAH-MUSIC 2-3(1,1)
Trumpet V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVB 5452 CAH-MUSIC 2-3(1,1)
French Horn V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVB 5453 CAH-MUSIC 2-3(1,1)
Trombone V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVB 5454 CAH-MUSIC 2-3(1,1)
Baritone V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVB 5455 CAH-MUSIC 2-3(1,1)
Tuba V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVJ 1010 CAH-MUSIC 2(1,1)
Jazz Piano I: PR: Music major or C.I. Scales, arpeggios, chord voicings, and other techniques included in advanced jazz piano skills. May be used in the degree program a maximum of 3 times. Odd Fall.

MVJ 1219 CAH-MUSIC 2(1,1)
Jazz Drum Set I: PR: Music major or C.I. Basic Jazz Drum Set skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 2223 CAH-MUSIC 2(1,1)
Jazz Guitar III: PR: MVJ 1213. Continuation of MVJ 1213. Scale studies, arpeggios, chord voicings, and other techniques included in progressive jazz guitar skills. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 2224 CAH-MUSIC 2(1,1)
Jazz Bass III: PR: MVJ 1214. Continuation of MVJ 1214. Progressive Jazz Bass skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 3320 CAH-MUSIC 3(1,1)
Jazz Piano III: PR: MVJ 2220. Scale studies, arpeggios, chord voicings, and other techniques included in progressive jazz piano skills. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 3323 CAH-MUSIC 3(1,1)
Jazz Guitar III: PR: MVJ 2223. Scales, arpeggios, chord voicings, and other techniques included in advanced jazz guitar skills. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 3324 CAH-MUSIC 3(1,1)
Jazz Bass III: PR: MVJ 2224. Continuation of MVJ 2224. Progressive Jazz Bass skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 3339 CAH-MUSIC 3(1,1)
Jazz Drum Set III: PR: MVJ 2229. Continuation of MVJ 2229. Progressive Jazz Drum Set skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 4240 CAH-MUSIC 4(1,1)
Jazz Piano IV: PR: MVJ 3330. Continuation of MVJ 3330. Advanced Jazz Piano skills, including sound concept, technique, literature, style, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 4243 CAH-MUSIC 4(1,1)
Jazz Guitar IV: PR: MVJ 3333. Continuation of MVJ 3333. Advanced Jazz Guitar skills, including sound concept, technique, literature, style, heritage. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 4244 CAH-MUSIC 4(1,1)
Jazz Bass IV: PR: MVJ 3334. Advanced Jazz Bass skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 4349 CAH-MUSIC 4(1,1)
Jazz Drum Set IV: PR: MVJ 3338. Continuation of MVJ 3338. Progressive Jazz Drum Set skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 5350C CAH-MUSIC 2(1,1)
Jazz Piano V: PR: Audition, graduate standing or senior standing, and C.I. Study of jazz piano literature, styles and techniques. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVJ 5352C CAH-MUSIC 2(1,1)
Jazz Guitar V: PR: Audition, graduate standing or senior standing, and C.I. Study of jazz guitar literature, styles and techniques. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVJ 5353C CAH-MUSIC 2(1,1)
Jazz Bass V: PR: Audition, graduate standing or senior standing, and C.I. Study of jazz bass literature, styles and techniques. May be used in the degree program a maximum of 3 times only when course content is different. Fall, Spring.
Jazz Drum Set V: PR: Audition, graduate standing or senior standing, and C.I. Study of jazz drum set literature, styles, and techniques. May be used in the degree program a maximum of 3 times only when course content is different. Fall, Spring. M&S fee $35.00

MVK 1111 CAH-MUSIC 1(0.2) Class Piano I: Class instruction for beginner piano students. Open to music majors whose major performing medium is piano. Fall, Spring.

MVK 1112 CAH-MUSIC 1(0.2) 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.

MVK 1211 CAH-MUSIC 1(0.1) Secondary Piano I: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in piano. Intended for non-music majors. May be repeated for credit. Fall, Spring.

MVK 1411 CAH-MUSIC 2(1,1) Piano: PR: Major in music or consent of chairperson; audition. May be repeated for credit. Fall, Spring.

MVK 1800 CAH-MUSIC 2(2.0) Keyboard Class I: Keyboard training for non-Music students with no prior keyboard training. Fall, Spring.

MVK 1801 CAH-MUSIC 2(0.2) Keyboard Class II: PR: MVK 1800. Continuation of Keyboard Class I. Occasional.

MVK 2121 CAH-MUSIC 1(0.2) 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.

MVK 2122 CAH-MUSIC 1(0.2) Class Piano IV: PR: Music major. MVK 2121 or C.I. Continuation of MVK 2121. Music majors only; not open to music majors whose major instrument is piano. Fall, Spring.

MVK 2421 CAH-MUSIC 2(1,1) Piano II: PR: MVK 1411 and competence determined by faculty jury. Continuation of MVK 1411. May be repeated for credit. Fall, Spring.

MVS 1411 CAH-MUSIC 2(1,1) Percussion I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring. M&S fee $35.00

MVS 1421 CAH-MUSIC 2(1,1) Percussion II: PR: MVK 1411 and competence determined by faculty jury. Continuation of MVK 1411. May be repeated for credit. Fall, Spring. M&S fee $35.00

MVS 3431 CAH-MUSIC 2-3(1,1) Percussion III: PR: MVK 2421 and competence determined by faculty jury. Intensive advanced study of percussion skills of percussion, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring. M&S fee $35.00

MVS 4441 CAH-MUSIC 4(1,1) Percussion IV: PR: MVK 3431 and competence determined by faculty jury. Intensive advanced study of percussion skills of percussion, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring. M&S fee $35.00

MVS 5451 CAH-MUSIC 2(1,0) Percussion V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring. M&S fee $35.00

USC Courses and Descriptions

Fall, Spring.

MVS 1412 CAH-MUSIC 2(1,1) Violin I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 1413 CAH-MUSIC 2(1,1) Cello I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 1414 CAH-MUSIC 2(1,1) Bass I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 1415 CAH-MUSIC 2(1,1) Harp I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 1416 CAH-MUSIC 2(1,1) Guitar I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 2421 CAH-MUSIC 2(1,1) Violin II: PR: MVK 1411 and competence determined by faculty jury. Continuation of MVK 1411. May be repeated for credit. Fall, Spring.

MVS 2422 CAH-MUSIC 2(1,1) Viola: PR: MVK 1412 and competence determined by faculty jury. Continuation of MVK 1412. May be repeated for credit. Fall, Spring.

MVS 2423 CAH-MUSIC 2(1,1) Cello II: PR: MVK 1413 and competence determined by faculty jury. Continuation of MVK 1413. May be repeated for credit. Fall, Spring.

MVS 2424 CAH-MUSIC 2(1,1) Bass II: PR: MVK 1414 and competence determined by faculty jury. Continuation of MVK 1414. May be repeated for credit. Fall, Spring.

MVS 2425 CAH-MUSIC 2(1,1) Harp II: PR: MVK 1415 and competence determined by faculty jury. Continuation of MVK 1415. May be repeated for credit. Fall, Spring.

MVS 2426 CAH-MUSIC 2(1,1) Guitar II: PR: MVK 1416 and competence determined by faculty jury. Continuation of MVK 1416. May be repeated for credit. Fall, Spring.

MVS 3431 CAH-MUSIC 2-3(1,1) Violin III: PR: MVK 2421 and competence determined by faculty jury. Continuation of MVK 2421. May be repeated for credit. Fall, Spring.

MVS 3432 CAH-MUSIC 2-3(1,1) Viola III: PR: MVK 2422 and competence determined by faculty jury. Continuation of MVK 2422. May be repeated for credit. Fall, Spring.

MVS 3433 CAH-MUSIC 2-3(1,1) Cello III: PR: MVK 2423 and competence determined by faculty jury. Continuation of MVK 2423. May be repeated for credit. Fall, Spring.

MVS 3434 CAH-MUSIC 2-3(1,1) Bass III: PR: MVK 2424 and competence determined by faculty jury. Continuation of MVK 2424. May be repeated for credit. Fall, Spring.

MVS 3435 CAH-MUSIC 2-3(1,1) Harp III: PR: MVK 2425 and competence determined by faculty jury. Continuation of MVK 2425. May be repeated for credit. Fall, Spring.

MVS 3436 CAH-MUSIC 2-3(1,1) Guitar III: PR: MVK 2426 and competence determined by faculty jury. Continuation of MVK 2426. May be repeated for credit. Fall, Spring.
UCF Courses and Descriptions

MVS 4346 CAH-MUSIC 4(1,1)
Guitar IV: PR: MVS 3436 and competence determined by faculty jury. Intensive advanced performance study of the guitar, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 4441 CAH-MUSIC 4(1,1)
Voice IV: PR: MVS 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.

MVS 4440 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.

MVS 4441 CAH-MUSIC 1(1,0)
Voice Pedagogy: PR: C.I. Continuation of MVS 4640. Intermediate to advanced levels. May be repeated for credit. Odd Spring.

MVS 5451 CAH-MUSIC 2(1,0)
Voice V: PR: Graduate standing or senior standing and C.I. May be used in the degree program a maximum of 4 times. Fall, Spring.

MVS 5651 CAH-MUSIC 2(3,0)
Voice Pedagogy: PR: Graduate standing or senior standing and C.I. Vocal function, anatomy, and pedagogical methodology with application to the voice teacher and performer. Odd Spring.

MVS 1211 CAH-MUSIC 1(0,1)

MVS 1212 CAH-MUSIC 1(0,1)

MVS 1213 CAH-MUSIC 1(0,1)

MVS 1214 CAH-MUSIC 1(0,1)

MVS 1215 CAH-MUSIC 1(0,1)

MVS 1411 CAH-MUSIC 2(1,1)
Flute I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 1412 CAH-MUSIC 2(1,1)
Oboe I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 1413 CAH-MUSIC 2(1,1)
Clarinet I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 1414 CAH-MUSIC 2(1,1)
Bassoon I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring. M&S fee $20.00

MVS 1415 CAH-MUSIC 2(1,1)
Saxophone I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 2421 CAH-MUSIC 2(1,1)
Flute II: PR: MVS 1411 and competence determined by faculty jury. Continuation of MVS 1411. May be repeated for credit. Fall, Spring.

MVS 2422 CAH-MUSIC 2(1,1)
Oboe II: PR: MVS 1412 and competence determined by faculty jury. Continuation of MVS 1412. May be repeated for credit. Fall, Spring.

MVS 2423 CAH-MUSIC 2(1,1)
Clarinet II: PR: MVS 1413 and competence determined by faculty jury. Continuation of MVS 1413. May be repeated for credit. Fall, Spring.

MVS 2424 CAH-MUSIC 2(1,1)
Bassoon II: PR: MVS 1414 and competence determined by faculty jury. Continuation of MVS 1414. May be repeated for credit. Fall, Spring. M&S fee $20.00

MVS 2425 CAH-MUSIC 2(1,1)
Saxophone II: PR: MVS 1415 and competence determined by faculty jury. Continuation of MVS 1415. May be repeated for credit. Fall, Spring.

MVS 3431 CAH-MUSIC 2-3(1,1)
Flute III: PR: MVS 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.

MVS 3432 CAH-MUSIC 2-3(1,1)
Oboe III: PR: MVS 2422 and competence determined by faculty jury. Continued study of performance skills of the oboe, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 3433 CAH-MUSIC 2-3(1,1)
Clarinet III: PR: MVS 2423 and competence determined by faculty jury. Continued study of performance skills of the clarinet, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 3434 CAH-MUSIC 2-3(1,1)
Bassoon III: PR: MVS 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.

MVS 3435 CAH-MUSIC 2-3(1,1)
Saxophone III: PR: MVS 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.

MVS 4441 CAH-MUSIC 4(1,1)
Flute IV: PR: MVS 3431 and competence determined by faculty jury. Intensive advanced performance study of the flute, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 4442 CAH-MUSIC 4(1,1)
Oboe IV: PR: MVS 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.

MVS 4443 CAH-MUSIC 4(1,1)
Clarinet IV: PR: MVS 3433 and competence determined by faculty jury. Intensive performance study of the clarinet, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 4444 CAH-MUSIC 4(1,1)
Bassoon IV: PR: MVS 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.

MVS 4445 CAH-MUSIC 4(1,1)
Saxophone IV: PR: MVS 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.

MVS 5451 CAH-MUSIC 2(1,0)
Violin I: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVS 5452 CAH-MUSIC 2(1,0)
Viola I: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVS 5453 CAH-MUSIC 2(1,0)
Cello I: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVS 5454 CAH-MUSIC 2(1,0)
Bass I: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVS 5455 CAH-MUSIC 2(1,0)
Harp I: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVS 5456 CAH-MUSIC 2(1,0)
Guitar I: PR: Graduate status or senior standing and C.I. May be used in the degree program a maximum of 4 times. Fall, Spring.

MVS 5457 CAH-MUSIC 2(1,0)
Voice: Class instruction in beginning voice. May be repeated for credit. Fall, Spring.

MWS 1111 CAH-MUSIC 1(0,1)
Voice II: PR: MVS 1411 and competence determined by faculty jury. CR: MUS 1250. Continuation of MVS 1411. Major in music or consent of chair, audition. Private and class lessons. May be repeated for credit 2 times. Fall, Spring.

MWS 1112 CAH-MUSIC 2-3(1,1)
Voice: PR: MWS 1412 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.
NUR 3028  CON-NURS  2(2,0)
Essentials of Nursing Practice: PR: Admission to BSN program; CR: NUR 3085 and NUR 3065L; NUR 3635 and NUR 3634L. Apply nursing process and core scientific principles to technical psychomotor nursing skills. Integrate evidence-based principles and nursing process to clients in long-term care. Fall.

NUR 3028L  CON-NURS  1(0,0)
Essentials of Nursing Practice Lab: PR: Admission to BSN program; CR: NUR 3028 and NUR 3065 and NUR 3065L, NUR 3825, NUR 3634 and NUR 3634L. Lab to teach scientific and evidence-based principles as they relate to technical psychomotor nursing skills. Graded S/U. Fall. M&S fee $45.00

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 health assessment of clients. Fall, Spring.

NUR 3065L  CON-NURS  1(0,1)
Health Assessment Lab: PR: or CR: NUR 3065L, and admission to the School of Nursing or C.I. Clinical application of concepts and techniques of health assessment of clients. Fall, Spring. M&S fee $15.00

NUR 3125  CON-NURS  3(3,0)
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 3255L; NUR 3145; NUR 3445; NUR 3445L. Concepts of nursing care applications of the pathophysiologic basis of illness. Fall.

NUR 3145  CON-NURS  3(3,0)
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 3255; NUR 3125; NUR 3445; NUR 3445L. Principles of pharmacology and application to nursing practice. Fall, Spring.

NUR 3165  CON-NURS  3(3,0)
Nursing Research: PR: Admission to the BSN program; STA 2014C or 2023, for Basic program students: successful completion of the first semester; RN to BSN students: NUR 3805 and RN status; CR: Nursing research as a basis for nursing practice. Selected experiences in researching, analyzing, and interpreting nursing research for nursing practice. Fall, Spring.

NUR 3165H  CON-NURS  3(0,0)
Nursing Research: PR: Permission of honor; admission to nursing and completion of previous nursing courses; STA 2014C or 2023, co-requisites per the plan of study of Accelerated BSN Nursing. RN to BSN program: NUR 3445L. 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 research nursing and nursing issues. Spring.

NUR 3225  CON-NURS  3(3,0)
Nursing Care of the Adult I: PR: Admission to BSN program, successful completion of the first semester in the nursing curriculum, and concurrent enrollment in NUR 3225L; NUR 3125; NUR 3145; NUR 3445; NUR 3445L. Integrate biopsychosocial models of nursing practice for individuals and families experiencing health risks, short-term illness or chronic health problems. Fall.

NUR 3225L  CON-NURS  2(0,6)
Nursing Care of the Adult I: Clinical Practice: PR: Admission to BSN program; successful completion of all courses in the first semester of the nursing curriculum, and concurrent enrollment in NUR 3225L; NUR 3125; NUR 3145; NUR 3445; NUR 3445L. Clinical experience applying biopsychosocial models of nursing practice for clients experiencing health risks, short-term illness or chronic health problems. Graded S/U. Fall. M&S fee $45.00
NUR 3445 CON-NURS 3(3.0) Nursing Care of Families: PR: Admission to BSN program, successful completion of the first semester in the nursing curriculum, and concurrent enrollment in NUR 2225, NUR 3225L; NUR 3125; NUR 3145; NUR 3445L. Concepts of family nursing as they relate to health promotion, theoretical and clinical management for childbearing and childbearing families. Fall.

NUR 3445L CON-NURS 2(0.6) Nursing Care of Families Clinical: PR: Admission to BSN program, successful completion of the first semester in the nursing curriculum, and concurrent enrollment in NUR 2225, NUR 3225L; NUR 3125; NUR 3145; NUR 3445. Nursing practice to address health promotion, maintenance and illness management needs of childbearing and childbearing families. Graded S/U. Fall. M&S fee $45.00

NUR 3634 CON-NURS 3(3.0) Community Health Nursing: PR: Admission to BSN program. CR: NUR 3028 and NUR 3028L; NUR 3755L; NUR 3065 and NUR 3065L; NUR 3825; NUR 3834L. Concepts of community health nursing focusing on community as client and levels of prevention across the lifespan. Fall.

NUR 3634L CON-NURS 2(0.6) Community Health Nursing Clinical: PR: Admission to BSN program. CR: NUR 3028 and NUR 3028L; NUR 3755L; NUR 3065 and NUR 3065L; NUR 3825; NUR 3834L. Application of the nursing process, scientific and evidence-based principles in the nursing care of clients in long-term care. Graded S/U. Fall. M&S fee $45.00

NUR 3755L CON-NURS 2(0.6) Essentials of Nursing Practice Clinical: PR: Admission to BSN program. CR: NUR 3028 and NUR 3028L; NUR 3065 and NUR 3065L; NUR 3825; NUR 3834L. Application of the nursing process, scientific and evidence-based principles in the nursing care of clients in long-term care. Graded S/U. Fall. M&S fee $45.00


NUR 3805 CON-NURS 3(3.0) Dimensions of Professional Nursing Practice: PR: Nursing major/junior level or C.I.; ENC 1102. An introduction to the ethical basis of professional nursing practice for RN to BSN students. Fall, Spring.


NUR 3825 CON-NURS 2(2.0) The Role of the Professional Nurse: PR: Admission to the school of Nursing. Examination of the role and function of the professional nurse, including professional standards, legal and practice issues. Fall, Spring.

NUR 3825H CON-NURS 2(2.0) The Role of the Professional Nurse Honors: PR: Admission to BSN program. Role and function of the professional nurse, including professional standards, legal, and practice issues with honors content. Fall.


NUR 3936 CON-NURS 3(2.2) International Perspectives of Nursing and Health Care: PR: Enrolled in School of Nursing or C.I. Comparative analysis of professional nursing practice and health care system in the United States and selected countries. May be repeated for credit. Occasional.

NUR 4177 CON-NURS 3(3.0) Holistic Nursing: Explore lived experience of health-wellness, illness, and wellness. Focus on mind-body-spirit, transpersonal healing and complementary interventions to maximize nursing care outcomes. Occasional.

NUR 4197 CON-NURS 3(3.0) Genetics and Genomics in Nursing Practice: PR: NUR 3125, RN Licensure, or C.I. The application of genetics and genomic principles to clinical nursing practice. Occasional.

NUR 4227 CON-NURS 4(4.0) Nursing Care of the Adult II: PR: Admission to the BSN program, CR: successful completion of the first two semesters in the nursing curriculum, NUR 4227L; NUR 4535, NUR 4535L, or C.I. Nursing Care of clients and their families experiencing acute, unstable, or life-threatening health problems. Spring.

NUR 4227L CON-NURS 3(0.3) Nursing Care of the Adult II: Clinical Practice: PR: Admission to BSN program. CR: successful completion of the first three semesters in the nursing curriculum, NUR 4227; NUR 4535; NUR 4535L; or C.I. Clinical practice in acute health care settings with clients experiencing acute, unstable, surgical, or life-threatening health conditions. Graded S/U. Spring.

NUR 4257 CON-NURS 3(3.0) Introduction to Critical Care Nursing: PR: RN status or C.I. Theories and principles of comprehensive nursing care of individuals and families in critical care settings. Spring.

NUR 4286 CON-NURS 3(3.0) Gerontologic Nursing: PR: NUR 4286 or RN status or C.I. Theories and principles related to the promotion, maintenance, and restoration of health in older adults in various settings. Occasional.

NUR 4493 CON-NURS 3(3.0) Perinatal Loss and Grief: Nursing Interventions: PR: Admission to the Nursing Program, RN licensure, or C.I. Nursing interventions for individuals and families experiencing perinatal loss and grief. Occasional.


NUR 4535 CON-NURS 3(3.0) Psychiatric Mental Health Nursing: PR: Admission to BSN program, successful completion of the first three semesters in the nursing curriculum, and concurrent enrollment in NUR 4227; NUR 4227L; NUR 4535L. Nursing interventions focused on mental health and the prevention, treatment and rehabilitation of mental illness. Fall, Spring.

NUR 4535L CON-NURS 2(0.6) Psychiatric Mental Health Clinical: PR: Admission to BSN program, successful completion of the first four semesters in the nursing curriculum, and concurrent enrollment in NUR 4945L; NUR 4537L; NUR 4527. Concepts of public health nursing focusing on population-based health care delivery systems. Fall, Spring.

NUR 4637 CON-NURS 2(2.0) Public Health Nursing: PR: Admission to the BSN program, successful completion of the first four semesters in the nursing curriculum, and concurrent enrollment in NUR 4945L; NUR 4537L; NUR 4527. Concepts of public health nursing focusing on population-based health care delivery systems. Fall, Spring.

NUR 4637L CON-NURS 1(0.3) Public Health Nursing Clinical: PR: Admission to the BSN program, successful completion of the first four semesters in the nursing curriculum, and concurrent enrollment in NUR 4945L; NUR 4537L; NUR 4527. Clinical Course to apply concepts of public health nursing. Students will complete one of the community assignment courses in NUR 4637 Public Health Nursing. Graded S/U. Fall, Spring.

NUR 4675 CON-NURS 3(3.0) Issues in Rural Health Care: PR: NUR 3065 or Junior Status or C.I. The rural environment and appropriate health care services and programs for rural populations. Occasional.

NUR 4760 CON-NURS 3(3.0) Principles of Pain Management: PR: Admission to the Nursing Program, RN License, or C.I. Occasional.

NUR 4765 CON-NURS 3(3.0) Rehabilitation Nursing: Principles and Practice: PR: Admission to the nursing program, or RN license, or C.I. Rehabilitation principles and the practices that may be incorporated into any healthcare setting and applied to clients of all age groups. Occasional.

NUR 4827 CON-NURS 3(3.0) Leadership and Management Principles: PR: NUR 3065, RN Status or C.I. Scientific theories and principles of leadership and management focusing on the development of baccalaureate graduates entering professional nursing practice focusing on principles of leadership and management applied to health care settings. Fall, Spring.

NUR 4828 CON-NURS 3(3.0) Nursing Leadership, Management and Role Transition: PR: Admission to the BSN program; admission to the Honors or Honors in the major program or C.I. Application of leadership and management principles to the beginning role of the professional nurse with honors content. Spring.

NUR 4828H CON-NURS 3(3.0) Honors Leadership, Management and Role Transition: PR: Admission to the BSN program; admission to the Honors or Honors in the major program or C.I. Application of leadership and management principles to the beginning role of the professional nurse. Occasional.

NUR 4837 CON-NURS 3(3.0) Health Care Issues, Policy, and Economics: PR: Admission to BSN program. NUR 4650L and C.I. Study of selected health care policy issues relevant to the financing, organization, and delivery of nursing services to populations in the community. Fall, Spring.

NUR 4837H CON-NURS 3(3.0) Honors Health Care Issues, Policy, and Economics: PR: Permission to take NUR 4837L, or C.I. Application of leadership principles to the beginning role of the professional nurse. Occasional.

NUR 4906 CON-NURS 3(3.0) 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. Admission to BSN program; completed first & second semester BSN curriculum course 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. Fall, Spring.

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.
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
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<tbody>
<tr>
<td>PAD 4712</td>
<td>HPA-PUB 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>
<td>3(3.0)</td>
<td>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>
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<tr>
<td>PAD 4720</td>
<td>HPA-PUB Survey Research in Public Administration: PR: or CR: PAD 3330 or C.I. Introduction to the concepts, design, methodology, computer applications, and data analysis in applied research in the public sector. Fall, Spring.</td>
<td>3(3.0)</td>
<td>PAD 3330 or C.I. 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 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>
<td>3(3.0)</td>
<td>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 Public Administration Internship: PR: C.I. Internship in municipal, county, state, or federal government, including assignments in such fields as personnel, planning, budgeting, and fiscal, procurement, and public safety. Graded S/U. Occasional.</td>
<td>3-6(0,6)</td>
<td>PAD 3330 or C.I. Internship in municipal, county, state, or federal government, including assignments in such fields as personnel, planning, budgeting, and fiscal, procurement, and public safety. Graded S/U. Occasional.</td>
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<td>PAD 4948</td>
<td>HPA-PUB American Humanics Internship: PR: Enrollment in American Humanics AH Certification Program, completion of AH restricted courses electives and approval of AH Campus Director. Supervised internship to demonstrate AH identified competencies for students in American Humanics certification program. Requires minimum of 300 hours placement in nonprofit human services organization. May be repeated for credit. Fall, Spring.</td>
<td>3(0,3)</td>
<td>PAD 3330 or C.I. Enrollment in American Humanics AH Certification Program, completion of AH restricted courses electives and approval of AH Campus Director. Supervised internship to demonstrate AH identified competencies for students in American Humanics 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 Ethics and Values in Public Administration: Examination of ethics in the public sector. Public concerns, past ethics, and the current ethical aspects of ethical behavior are explored. Occasional.</td>
<td>3(3.0)</td>
<td>PAD 3330 or C.I. Examination of ethics in the public sector. Public concerns, past ethics, and the current ethical aspects of ethical behavior are explored. Occasional.</td>
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<tr>
<td>PAD 5060</td>
<td>HPA-PUB Administrative Practice in the Public Sector: The application of various theoretical concepts to the “real world” of public administration. Policy formulation and execution are examined through the case study mode. Occasional.</td>
<td>3(3.0)</td>
<td>PAD 3330 or C.I. The application of various theoretical concepts to the “real world” of public administration. Policy formulation and execution are examined through the case study mode. Occasional.</td>
</tr>
<tr>
<td>PAD 5145</td>
<td>HPA-PUB 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 leadership, volunteer recruitment, training, retention and theories of motivation, leadership, ethical issues. Fall, Spring.</td>
<td>3(3.0)</td>
<td>PAD 3330 or C.I. Admission to Master of Nonprofit Management degree, Nonprofit certificate or C.I. Volunteer development in non-profit organizations, including board selection, development and leadership, volunteer recruitment, training, retention and theories of motivation, leadership, ethical issues. Fall, Spring.</td>
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<tr>
<td>PAD 5146</td>
<td>HPA-PUB Nonprofit Resource Development: PR: Admission to master of Nonprofit Management degree, Nonprofit Certificate or C.I. Examines human resource development and financial resource development in nonprofit organizations including management issues. Fall, Spring.</td>
<td>3(3.0)</td>
<td>PAD 3330 or C.I. Admission to master of Nonprofit Management degree, Nonprofit Certificate or C.I. Examines human resource development and financial resource development in nonprofit organizations including management issues. Fall, Spring.</td>
</tr>
<tr>
<td>PAD 5336</td>
<td>HPA-PUB Introduction to Urban Planning: Issues of urbanization, regional development, land use and comprehensive planning, environmental planning, and social planning. Fall.</td>
<td>3(3.0)</td>
<td>PAD 3330 or C.I. Issues of urbanization, regional development, land use and comprehensive planning, environmental planning, and social planning. Fall.</td>
</tr>
<tr>
<td>PAD 5337</td>
<td>HPA-PUB 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>
<td>3(3.0)</td>
<td>PAD 3330 or C.I. 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 5338</td>
<td>HPA-PUB Land Use and Planning Law: Review of national and local aspects of the legal underpinnings of urban planning aspects such as zoning, growth management, and environmental regulation. Spring.</td>
<td>3(3.0)</td>
<td>PAD 3330 or C.I. Review of national and local aspects of the legal underpinnings of urban planning aspects such as zoning, growth management, and environmental regulation. Spring.</td>
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<tr>
<td>PAD 5356</td>
<td>HPA-PUB 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>
<td>3(3.0)</td>
<td>PAD 3330 or C.I. Overview of economic development activities focusing on policy and managerial issues at the local level. Spring.</td>
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</tbody>
</table>
Basic Volleyball and Softball: The analysis of offensive and defensive alignment, techniques, and strategies. Occasional. M&S fee $5.00


Intermediate Bowling: PR: PEL 2111, bowling experience, or equivalent certification by league sheet. This course provides in-depth information that is necessary for the development of high bowling averages. Occasional.

Beginning Golf: Performance and application of basic skills, rules, and etiquette. Physiological and social values accruing from this lifetime sport. Fall, Spring. M&S fee $6.00


Fundamentals of bowling techniques and accrued experience, or average of 140 verification by league sheet. This course is designed to develop high bowling averages.

Controlling Classroom Violence: PR: Graduate standing; certified teacher. A hands-on course dealing with controlling disruption and violence as well as how teachers can protect themselves. Occasional.

Elementary Swimming: For non-swimmers and beginning swimmers. Development and study of technique in the basic skills of water safety and swimming. Occasional.

Team Sports: This course is designed to develop skill proficiency and knowledge to plan, implement and evaluate team sports as part of the Physical Education program. Fall. M&S fee $5.00

Individual Sports: Skill proficiency and knowledge to plan, implement and evaluate individual sports. Fall, Spring. M&S fee $9.00

Officiating Basketball: Skills, knowledge, and practical experiences required to become an official in the sport of basketball. Occasional. M&S fee $6.00

Coaching Basketball: Theory and methods of coaching basketball, including the analysis of offensive and defensive techniques and strategies. Fall.

Coaching Baseball and Softball: PR: Admission to Sport and Fitness Program/minors or C.I. Theory and methods of coaching baseball and softball, including the analysis of offensive and defensive techniques and strategies. Fall.

Coaching Soccer: PR: Admission to Sport and Fitness program/minors or C.I. Teaching methodology utilizing games for specific outcome behaviors in grades K-12. Occasional.

Coaching Football: PR: Admission to Sport and Fitness Program/minors or C.I. Theory and methods of coaching soccer, including the analysis of offensive and defensive techniques and strategies. Occasional.

Coaching Volleyball: Theory and methods of coaching volleyball, including the analysis of offensive and defensive alignment techniques and strategies. Spring.

Coaching Soccer: PR: Admission to Sport and Fitness program/minors or C.I. Theory and methods of coaching soccer, including the analysis of offensive and defensive techniques and strategies. Occasional.


Coaching Baseball and Softball: PR: Admission to Sport and Fitness program/minors or C.I. Theory and methods of coaching baseball and softball, including the analysis of offensive and defensive techniques and strategies. Fall.

Self Defense for Women and Men: Designed to provide students with self defense skills. Fall, Spring.

Tae Kwon Do: An analysis and application of the martial arts, as an overall physical and mental training system. Occasional.

Controlling Classroom Violence: PR: Graduate standing; certified teacher. A hands-on course dealing with controlling disruption and violence as well as how teachers can protect themselves. Occasional.

Performance and application of a series of basic skills, rules, and etiquette. Physiological and social values accruing from this lifetime sport. Occasional.

Performance and application of basic skills, rules, and etiquette. Physiological and social values accruing from this lifetime sport. Occasional. M&S fee $3.00

Performance and application of advanced skills, rules, and etiquette. Physiological and social values accruing from this lifetime sport. Occasional. M&S fee $5.00

Step Aerobics: Appropriate rhythmic muscle toning movements utilizing the step to develop aerobic fitness. Concepts taught include: warm-up, flexibility, work-out, and cool-down. Occasional.

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.

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.

Yoga: Performance and application of a series of basic movements: 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

Pilates: The Pilates method of body conditioning emphasizing core musculature as it applies to everyday movement. Occasional. M&S fee $3.00

Strength Resistance Training: Study of fitness and strength development through resistance exercise. Fall, Spring. M&S fee $5.00

Adventure Recreation: Options for adventure recreation including: outdoor living skills, canoeing, kayaking, rock climbing, hiking and backpacking. Occasional. M&S fee $3.00

Aerobics: Appropriate rhythmic muscle toning movements that develop aerobic fitness; concepts taught include: warm-up, flexibility, stretching, cool-down, and heart rate. Fall, Spring. M&S fee $5.00

Step Aerobics: Appropriate rhythmic muscle toning movements utilizing the step to develop aerobic fitness. Concepts taught include: warm-up, flexibility, work-out, and cool-down. Occasional.

Country/Western Dance. Improve aerobic fitness by learning line dances, circle dances and basic partner steps, such as two-step and waltz. Occasional.

Cardio Kickboxing: Proper technique and fundamentals of cardio kickboxing. Occasional. M&S fee $6.00

Boot Camp Fitness: Study and application of aerobic and anaerobic fitness activities to improve core strength, posture, breath control, body alignment and flexibility. Occasional.

Self Defense for Women and Men: Designed to provide students with self defense skills. Fall, Spring.

Tae Kwon Do: An analysis and application of the martial arts, as an overall physical and mental training system. Occasional.

Controlling Classroom Violence: PR: Graduate standing; certified teacher. A hands-on course dealing with controlling disruption and violence as well as how teachers can protect themselves. Occasional.

Elementary Swimming: For non-swimmers and beginning swimmers. Development and study of technique in the basic skills of water safety and swimming. Occasional.

Team Sports: This course is designed to develop skill proficiency and knowledge to plan, implement and evaluate team sports as part of the Physical Education program. Fall. M&S fee $5.00

Individual Sports: Skill proficiency and knowledge to plan, implement and evaluate individual sports. Fall, Spring. M&S fee $9.00

Officiating Basketball: Skills, knowledge, and practical experiences required to become an official in the sport of basketball. Occasional. M&S fee $6.00

Coaching Basketball: Theory and methods of coaching basketball, including the analysis of offensive and defensive techniques and strategies. Fall.

Coaching Baseball and Softball: PR: Admission to Sport and Fitness program/minors or C.I. Theory and methods of coaching baseball and softball, including the analysis of offensive and defensive techniques and strategies. Fall.

Games Analysis: PR: Admission to Physical Education program and/or C.I. Teaching methodology utilizing games for specific outcome behaviors in grades K-12. Occasional.

Proper technique and fundamentals of bowling techniques and accrued experience, or average of 140 verification by league sheet. This course is designed to develop high bowling averages.

Study and application of aerobic and anaerobic fitness activities to improve core strength, posture, breath control, body alignment and flexibility. Occasional.

Performance and application of basic skills, rules, and etiquette. Physiological and social values accruing from this lifetime sport. Occasional.

Performance and application of basic skills, rules, and etiquette. Physiological and social values accruing from this lifetime sport. Occasional.
Adapted Physical Education: Principles and methods of education activities and programs for exceptional children and adults; mainstreaming rationale and methods analyzed. Spring.

Outside: Exercise Physiology: PR: PET 2084, BSC 2010C, and either PET 4312C or ZOO 3736C. Study and analysis of physiology in exercise. Spring.

Personal Training Methods: PR: PET 3820. Study and application of anatomical and physiological principles involved in human movement. Fall, Spring.

Physical Education: PR: PET 4351C. A study and acquisition of health related fitness, exercise strategies and related assessment techniques. Fall, Spring.

Principles and Methods of Exercise Prescription: PR: PET 2084, BSC 2010C, and either PET 4312C or ZOO 3736C. Students integrate knowledge of exercise science, physiology, and fitness conditioning to develop exercise for populations dealing with aging, osteoporosis, diabetes, obesity, heart disease, and pregnancy. Fall, Spring.

Principles of Coaching/Leadership: PR: C.I. 19th century photographic processes with related contemporary non-traditional methods of image creation and presentation. Occasional. M&S fee $45.00

Professional Practice: PR: PGY 3472C or C.I. Late 20th and 21st century (1970's-present) contem- porary movements in photography, special emphasis on issues and ideas relative to contemporary image making. Occasional.

Professional Practice: PR: PGY 3821C or C.I. Creation of video narratives using the digital environment. Occasional.

Professional Practice: PR: PGY 3821C or C.I. Current digital imaging software and its application to contemporary work. Occasional. M&S fee $45.00

Program Research: PR: PGY 3821C or C.I. Exploration of imaging created to illustrate articles, including still-life, portrait, documentary, and/or fashion photography. Focus on the creation of multiple or con- secutive images. Spring. M&S fee $45.00

Professional Practice: PR: PGY 3821C or C.I. Advanced issues in digital imaging, emphasis on profes- sional output solutions for the photographer such as web as well as interface, large format printing, and film recorder. Occasional. M&S fee $45.00

Videography: PR: PGY 3821C or C.I. Video editing, assignment selection, picture and copy edit- ing, chopping, picture desk management, and ethics of photomontage, and the new technological advances. Occasional. M&S fee $11.00

Photomontage: PR: PGY 3821C. Photography Editing, Assignment selection, picture and copy edit- ing, chopping, picture desk management, and ethics of photomontage, and the new technological advances. Occasional. M&S fee $11.00

Museum and Gallery Practices: PR: PGY 3802. The museum and gallery environment focusing on the acquisition and display of photographic materials and curatorial functions. The course includes a service learning component. Occasional.

Alternative Processes: PR: PGY 4472C or C.I. 19th century photographic processes with related contemporary non-traditional methods of image creation and presentation. Occasional. M&S fee $45.00


Sport and Exercise Science Practicum: 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. Fall, Spring.

Principles and methods of education activities and programs for exceptional children and adults; mainstreaming rationale and methods analyzed. Spring.

Adapted Physical Education: Principles and methods of education activities and programs for exceptional children and adults; mainstreaming rationale and methods analyzed. Spring.
UCF Courses and Descriptions

PGY 4003 CAH-SVAD 3(3,0)

PGY 428C CAH-SVAD 3(2,4)
Advanced Illustrative Photography: PR: PGY 3205 or C.I. Various avenues of photographic illustration, including lighting, historical and contemporary issues, style, presentation, and social concerns. Occasional. M&S fee $45.00

PGY 423SC CAH-SVAD 3(2,4)
Professional Photographic Workshop: PR: PGY 3205C. Creative, logistical, and technical processes as related to a variety of special lighting problems in the photographic studio and on location. Occasional. M&S fee $45.00

PGY 4420C CAH-SVAD 3(2,3)
Advanced Photography: PR: ART 2201C, ART 2202C, ART 2300C, ART 2301C, PGY 2410C, and a satisfactory portfolio review or C.I.; Or, admission to the Photography program. Designed for advanced photography skills and portfolio development. Designed for art majors. May be repeated for credit. Fall, Spring. M&S fee $45.00

PGY 4440C CAH-SVAD 3(2,3)

PGY 4471 CAH-SVAD 3(3,0)
Photography Thesis: PR: PGY 3276 The Professional Environment becomes a co-requisite. Course has been shifted from the senior fall semester to the senior spring semester. This course is not offered for the first time this year. Senior thesis project culminating in a public exhibition or portfolio presentation. Occasional. M&S fee $45.00

PGY 4472C CAH-SVAD 3(2,1)
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-SVAD 3(2,4)
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-SVAD 3(2,4)
Advanced Techniques and Concepts in Photography: PR: PGY 2410C, PGY 3410C and PGY 4440C, 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

PHH 3041 CAH-PHIL 3(3,0)
Russian Philosophy: PR: ENC 1102. A study of major themes and developments in Russian philosophy from the 18th century to the present, including critiques of culture, religion, society, and politics. Occasional.

PHI 3100 CAH-PHIL 3(3,0)
Ancient Philosophy: PR: PHI 2010 or C.I. Foundations of Western philosophy in ancient Greek thinking about human beings and nature, including the pre-Socratics, Socrates, Plato, Aristotle. Occasional.

PHI 3200 CAH-PHIL 3(3,0)
Medieval Philosophy: PR: PHI 2010 or C.I. The influence of Greek philosophical thought in medieval Muslim, Jewish and Christian philosophy, as expressed in its main problems and representative thinkers. Occasional.

PHI 3460 CAH-PHIL 3(3,0)
Modern Western Philosophy: PR: PHI 2010. Major western philosophers and philosophical movements from Descartes to Nietzsche. Even Fall.

PHH 3510 CAH-PHIL 3(3,0)
Marx and Nietzsche: PR: Junior standing. The philosophical and ideological influences of their work, and their contemporary relevance. Occasional.

PHH 3600 CAH-PHIL 3(3,0)
Contemporary Philosophy: PR: PHI 2010 or C.I. Recent and current trends in philosophy, including philosophical analysis, structuralism, post-structuralism, and liberation philosophies. Occasional.

PR: PHI 3700 CAH-PHIL 3(3,0)
American Philosophy: PR: PHI 2010 or AMH 2010 or AMH 2020 or C.I. A thematic and chronological survey of philosophical, religious, and scientific developments in American thought, with primary focus on the American spirit of individualism and reform. Even Spring.

PHH 3701 CAH-PHIL 3(3,0)
Native American Philosophy: PR: PHI 2010 or C.I. Academic Native American philosophy in epistemology, political philosophy and environmental studies. Even Fall.

PHI 3810 CAH-PHIL 3(3,0)
Introduction to Philosophy: Inquiry into the meaning and implications of philosophical ideas and beliefs concerning reality, knowledge, and values; application to relevant topics in ethics, religion, and politics. Fall, Spring.

PHI 2010H CAH-PHIL 3(3,0)
Honors Introduction to Philosophy: PR: Permission of Honors. Same as PHI 2010 with honors-level content. Fall.

PHI 2011 CAH-PHIL 3(3,0)

PHI 2101 CAH-PHIL 3(3,0)
Formal Logic I: A study of sentence and predicate logic, with introduction to modal, epistemic, deontic, multivalued, and indeterminant logics. Occasional.

PHI 2108 CAH-PHIL 3(3,0)
Critical Thinking: The logic of conversation, informal fallacies, and reasoning about human action. Occasional.

PHI 2630 CAH-PHIL 3(3,0)
Ethics: An examination of the nature of moral problems, judgments and criteria for evaluating them. Emphasis on recent formulations in ethical theory. Occasional.

PHI 2647 CAH-PHIL 3(3,0)
Logic and Ethics: PR: PHI 2101 or COT 3100C or MAD 2104. Research in logic applied to ethics, especially for science and technology. Uses of simulation and modeling to study philosophical problems in ethics. Occasional.

PHI 3033 CAH-PHIL 3(3,0)
Philosophy, Religion, and the Environment: PR: Junior standing or C.I. A multicultural treatment of the influence of philosophical and religious views on our understanding of, and relation to, the environment. Occasional.

PHI 3083 CAH-PHIL 3(3,0)
Research Methods in Philosophy: PR: Philosophy or Humanities major or C.I. Sources, methods, and styles of research in Philosophy. Aimed at enhancing the research, reading, and writing skills of undergraduate philosophy students. Odd Fall.

PHI 3131 CAH-PHIL 3(3,0)
Formal Logic II: PR: PHI 2101. Systematic study of propositional and first-order predicate logic; logical systems and axiomatic methods; problems of metaethics, including consistency, completeness, and decidability. Occasional.

PHI 3320 CAH-PHIL 3(3,0)
Philosophy of Mind: PR: PHI 2010, PSY 2012, or C.I. Recent and contemporary attempts to understand the relation of mind to body, the relation of consciousness to personal identity, and the relation of psychology to neurobiology. Occasional.

PHI 3323 CAH-PHIL 3(3,0)

PHI 3451 CAH-PHIL 3(3,0)
Philosophy of Psychology: PR: Junior standing or C.I. Philosophical assumptions and foundations of major psychological theories plus other philosophically interesting issues. Occasional.

PHI 3601 CAH-PHIL 3(1,0)
Practical Wisdom: PR: Junior standing or PHI 2010 or C.I. Course in applied ethics which focuses on the human good, dealing with the relationship between means and ends and how they define one another. Occasional.

PHI 3625 CAH-PHIL 3(3,0)
Virtual Ethics: PR: COP 3520C or DIG 2000 or PHI 2647. Critical thinking applied to ethics in science and technology. Fall, Spring.

PHI 3626 CAH-PHIL 3(3,0)
Advanced Ethics in Science and Technology: PR: COP 3520C or DIG 2000 or PHI 2647. Critical thinking applied to ethics in science and technology. Fall, Spring.

PHI 3640 CAH-PHIL 3(3,0)
Environmental Ethics: PR: Junior standing. Major contemporary views in environmental ethics, including individual and holistic approaches, deep ecology, ecofeminism, and social ecology. Occasional.

PHI 3648 CAH-PHIL 3(3,0)
Ethical Implications of the Human Genome Project: PR: BSC 2101C and either PHI 2010 or PHI 2630 or PHI 3670. Ethics of human genome projects in science and technology, including genetic testing, genetic therapies, genetic enhancement, forensics, data banking, and genetic paternity. Occasional.

PHI 3670 CAH-PHIL 3(3,0)
Ethical Theory: PR: Junior standing and C.I. Major classical and contemporary ethics, including virtue ethics, utilitarianism, deontological, virtue-based and feminist approaches to ethics, rights, and justice; some examination of metaethical issues. Even Spring.

PHI 3672 CAH-PHIL 3(3,0)
Animal Ethics: PR: PHI 2010 or C.I. Key issues and debates in the field of animal ethics, including both theoretical and applied dimensions. Occasional.

PHI 3683 CAH-PHIL 3(3,0)
Philosophy of Friendship: PR: One of: PHI 2010, PHI 3670, PHI 3638, or C.I. Philosophical aspects of friendship, focusing on its interpersonal, moral, social, and political significance and implications. Occasional.

PHI 3684 CAH-PHIL 3(3,0)
Ways of Living: PR: HUM 2210 or HUM 2230 or C.I. Philosophies of life and the notion of “the good life.”. Occasional.

PHI 3700 CAH-PHIL 3(3,0)
Philosophy of Religion: PR: REL 2300 or PHI 2010. An examination of basic ideas, beliefs, attitudes, and functions of religion, with emphasis upon questions of conceptual meaning and cognitive justification. Odd Spring.

PHI 3720 CAH-PHIL 3(3,0)

PHI 3790 CAH-PHIL 3(3,0)  African Philosophy: PR: Junior standing or C.I. Traditional and contemporary African philosophical thought with particular emphasis on post-colonial philosophy in sub-Saharan Africa. Occasional.


PHI 3803 CAH-PHIL 3(3,0)  Philosophy and Creativity: PR: Junior standing or PHI 2010 or C.I. A companion course to PHI 3800, Aesthetics. Examines the empirical and metaphysical claims made for creativity, attempts to account for intuition, genius, and intelligence. Occasional.


PHI 3941 CAH-PHIL 3(1,3)  Philosophy Practicum: PR: C.I. Mentor at-risk grade schoolers and evaluate such work-related concepts as justice and fairness. Occasional.

PHI 4221 CAH-PHIL 3(3,0)  Philosophy of Language: PR: PHI 2010 or C.I. Nature of language and the relationships between language, reality, cognition, and culture. Spring.

PHI 4300 CAH-PHIL 3(3,0)  Theories of Knowledge: PR: Philosophy major or C.I. Classical and contemporary theories of knowledge. A critical examination of various forms of, and reasons for, skepticism, criteria for truth and justification for belief. Occasional.

PHI 4321 CAH-PHIL 3(3,0)  Philosophies of Embodiment: Mind/Body/Self: PR: Junior standing and either PHI 2010, PHI 2011, PHI 2106, or C.I. Different ways of understanding relations between mind, body, and nature. Self-Knowledge as articulated by Western and non-Western philosophies from ancient to contemporary times. Occasional.

PHI 4341 CAH-PHIL 3(3,0)  Ways of Knowing: PR: PHI 2010 or C.I. Philosophic study of approaches to knowledge, with emphasis on contributions of the knower to how things are known. Fall.

PHI 4400 CAH-PHIL 3(3,0)  Philosophy of Science: PR: Junior standing or PHI 2010 or C.I. An examination of the conceptual foundations and methodology of modern science. Occasional.

PHI 4420 CAH-PHIL 3(3,0)  Philosophy of Social Science: PR: Junior standing or PHI 2010 or C.I. An examination of the objectives, methods and guiding norms of the social sciences and their role in the development of human knowledge. Occasional.

PHI 4500 CAH-PHIL 3(3,0)  Metaphysics: PR: Philosophy major or C.I. Topics include appearance and reality, actions and events, necessity and possibility, identity, nature of persons, mind-body dualism, causality, and free will and determinism. Occasional.

PHI 4633 CAH-PHIL 3(3,0)  Ethics and Biological Science: PR: Completion of the GEP. An application of contemporary thinking to ethical issues arising from the biological sciences, including human and animal experimentation, genetic engineering, biodiversity. Occasional.

PHI 4633H CAH-PHIL 3(3,0)  Honors Ethics and Biological Science: PR: BSC 2010C, a course in Philosophy, and consent of Honors. Contemporary thinking on ethical issues arising from the biological sciences, including human and animal experiments, genetic engineering, and biodiversity. Occasional.

PHI 4673 CAH-PHIL 3(3,0)  Medical Ethics: PR: Senior standing or C.I. Ethics of clinical medicine and medical research. Spring.

PHI 4690 CAH-PHIL 3(3,0)  Ethics in Nanoscience and Nanotechnology: PR: Completion of GEP or Junior standing. Ethical implications of rapid developments in nanoscience and nanotechnology. Odd Fall.

PHI 4804 CAH-PHIL 3(3,0)  Critical Theory: PR: C.I. Critical theory and cultural studies emphasizing current trends as they apply to arts in diverse media. Even Fall.

PHI 4931 CAH-PHIL 3(3,0)  Philosophy in the News: PR: PHI 2010. Changing course content. A specific topic being covered by the media will be selected for philosophical examination. Course is web enhanced. Occasional.

PHI 4935 CAH-PHIL 3(3,0)  Topics in Philosophy of Mind: PR: PHI 3320, PHI 3451 or PHI 3323 or C.I. Recent debate in philosophy of mind. Variable topics: examples, mental representation, consciousness, concepts, free will. May be repeated for credit. Occasional.

PHI 4938 CAH-PHIL 3(3,0)  Senior Research Seminar: PR: Senior standing and Philosophy major. Capstone course on research, developing effective oral and written communication skills. Occasional.

PHI 5051 CAH-PHIL 1(1,0)  Portfolio: PR: PHI 3083 and last semester as Philosophy major. Presentation of a representative sampling of student's best work, with appropriate revisions, including a cover narrative indicating development of philosophical knowledge and skills. Graded S/U. Occasional.

PHI 5225 CAH-PHIL 3(3,0)  Philosophy of Language: PR: Admission to graduate certificate program in Cognitive Sciences or C.I. Philosophy of the nature of language and the relationships between language, reality, cognition, and culture. Occasional.

PHI 5325 CAH-PHIL 3(3,0)  Topics in Philosophy of Mind: PR: Admission into graduate certificate program in Cognitive Sciences or C.I. Contemporary issues in philosophy of mind, including explanatory gap, and the problem of other minds. Occasional.

PHI 5327 CAH-PHIL 3(3,0)  Topics in the Cognitive Sciences: PR: Admission to graduate certificate program in Cognitive Sciences or C.I. Theoretical issues and empirical studies in the cognitive sciences, including contemporary discussions of mind, brain, artificial intelligence, pathologies, behavioral capacities. Fall.

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 under-graduate standing and at least one of the following: PHI 3670, PHI 3858, 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 professionals in 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 4633 or Graduate standing. A seminar exploring the relationship between ethics and epistemology with application to social concerns. Variable content. Occasional.

PHI 5681 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.

PHI 3020 CAH-PHIL 3(3,0)  Philosophy of Love: PR: Junior standing and PHI 2010 or C.I. A critical investigation of the meaning and significance of various kinds of love from a variety of philosophical perspectives. Spring.

PHI 3022 CAH-PHIL 3(3,0)  Sexuality, Gender & Philosophy: PR: WST 3015, PHI 3083, PHI 3123, or C.I. Examines the contributions of poststructuralist and neopsychoanalytical theories to cultural issues in sexuality and gender. Even Spring.

PHI 3100 CAH-PHIL 3(3,0)  Freedom and Justice: PR: Junior standing or PHI 2010 or C.I. Philosophical analysis and evaluation of selected issues arising from the interaction of the individual, society, and the state, including topics such as freedom, equality, and justice. Occasional.

PHI 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.

PHI 3401 CAH-PHIL 3(3,0)  Philosophy of Law: PR: PHI 2010, PHI 2630, PHI 3670, or POS 3041. Study of the nature of, and justifications for, law and punishment. Examination of the concepts of legal personhood, rights and responsibilities. Spring.

PHI 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.

PHI 5035 CAH-PHIL 3(3,0)  Environmental Philosophy: PR: PHI 3640, PHI 2630, graduate status or senior standing. PR: 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.


PHI 5383 CAH-PHIL 3(3,0)  Modernity as a Philosophical Problem: PR: PHI 2010 or PHI 3640 or C.I. Modernity in the philosophies of Kant, Hegel, Nietzsche, Heidegger, Derrida, Rorty, and others. Occasional.

PHI 5386 CAH-PHIL 3(3,0)  Existentialism: PR: Junior standing or PHI 2010 or C.I. Study of existentialist analysis and criticism of the human situation as found in the writings of such philosophers as Kierkegaard, Nietzsche, Heidegger, Sartre, and Camus. Odd Fall.
PHT 3069 | HPA-HP | 1(1.0)

PHT 3069L | HPA-HP | 2(0.4)
Physical Assessment Lab: PR: PHT 3069. Lab course emphasizing the examinations required to perform an evaluation of a physical therapy patient. Occasional.

PHT 3112 | HPA-HP | 2(2.0)
Gross Anatomy/Neuroscience I: PR: Admission into the Physical Therapy program. CR: PHT 3112L. In-depth study of human morphology emphasizing the back, spinal cord, cranial nerves, and upper and lower extremities. Regional cadaver dissection. Occasional.

PHT 3112L | HPA-HP | 3(0.6)
Gross Anatomy/Neuroscience I Lab: CR: PHT 3112. In-depth study of human morphology emphasizing the brain, the cervical spine, pelvis, cranial nerves, and upper and lower extremities. Occasional.

PHT 3113 | HPA-HP | 2(2.0)
Gross Anatomy/Neuroscience II: CR: PHT 3112; PHT 3113L. In-depth study of human morphology emphasizing the brain, the cervical spine, pelvis, and the internal organs. Occasional.

PHT 3113L | HPA-HP | 3(0.6)
Gross Anatomy/Neuroscience II Lab: CR: PHT 3113. Directed laboratory experiences with cadaver dissection; use of the skeleton, models, and computer programs to facilitate learning. Occasional.

PHT 3122 | HPA-HP | 3(3.0)
Clinical Kinesiology: CR: PHT 3122L. Mechanical aspects of human movement, including joint mechanics of the upper and lower extremity, the vertebra column, and tissue mechanics of relevant human tissues. Coordinated with cadaver dissection. Occasional.

PHT 3155 | HPA-HP | 2(2.0)

PHT 3155L | HPA-HP | 2(0.4)
Physiology of Therapeutic Exercise Lab: CR: PHT 3155. Lab course emphasizing the clinical application of exercise physiology. Occasional.

PHT 3259 | HPA-HP | 2(2.0)

PHT 3259L | HPA-HP | 1(2.0)
Patient Care Skills Lab: CR: PHT 3259. Lab course covering basic skills; patient care; transfers, mobility skills, draping, gait training. Occasional.

PHT 3602 | HPA-HP | 2(2.0)

PHT 4119C | HPA-HP | 4(3.2)
Clinical Gross Anatomy: PR: ZOO 3733C and C.J. Review of human anatomical systems using cadavers and emphasizing clinical applications and pathologies. Fall. M&S fee $45.00

PHT 4222 | HPA-HP | 2(2.0)

PHT 4222L | HPA-HP | 1(0.2)

PHT 4230 | HPA-HP | 2(2.0)
Therapeutic Exercise II: PR: PHT 4222; PHT 4222L. CR: PHT 4230L. Exploration of the various therapeutic exercise modalities, and their application to the rehabilitation course treatment. Occasional.

PHT 4230L | HPA-HP | 1(0.2)
Therapeutic Exercise II Lab: CR: PHT 4230. Lab course emphasizing the examinations required to perform an evaluation of physical therapy patient. Fall. M&S fee $45.00

PHT 5241 | HPA-HP | 2(2.0)

PHT 5241L | HPA-HP | 2(0.4)
Therapeutic Exercise I Lab: PR: Therapeutic Exercise I. Lab course emphasizing therapeutic exercise skills for the treatment of patients with musculoskeletal dysfunction. Spring. M&S fee $15.00

PHT 5260 | HPA-HP | 2(2.0)
Patient Care Skills Lab: CR: Patient Care Skills Lab. Affective, cognitive, and psychomotor skills, regarding patient care. Basic skills of patient care, transfers, mobility skills, draping, gait training. Fall.

PHT 5260L | HPA-HP | 1(0.2)
Patient Care Skills Lab: CR: Patient Care Skills Lab. Basic skills of patient care, transfers, mobility skills. Fall. M&S fee $30.00

PHT 5718 | HPA-HP | 2(2.0)

PHT 5718L | HPA-HP | 1(0.2)
Neurological Physical Therapy Lab: PR: CR Neurological Physical Therapy. Lab Course emphasizing the clinical application of selected neuromotor theories. Occasional. M&S fee $30.00

PHY 2044C | COS-PHYS | 3(2.2)

PHY 2045C | COS-PHYS | 4(3.3)
Physics for Engineers & Scientists I: PR: MAC 2311 or equivalent. Mechanics, Thermodynamics, fluids. Fall, Spring. M&S fee $15.00

PHY 2048C | COS-PHYS | 4(3.3)
Honors Physics for Engineers and Scientists I: PR: Permission of Honors and MAC 2311 or equivalent. Same as PHY 2048C with honors-level content. Fall, Spring.

PHY 2049C | COS-PHYS | 4(3.3)
Honors Physics for Engineers and Scientists II: PR: MAC 2312 and PHY 2048C or PHY 2048H. Electricity, magnetism, optics. Fall, Spring. M&S fee $15.00

PHY 2050C | COS-PHYS | 4(3.3)
Honors College Physics I: PR: MAC 1105C and MAC 1114 or equivalent or C.I. Mechanics, waves, thermodynamics. Fall. M&S fee $15.00

PHY 2053H | COS-PHYS | 4(3.3)
Honors College Physics I: PR: MAC 1105C and MAC 1114 or C.I. Mechanics, waves, thermodynamics. With Honors content. Fall.

PHY 2054C | COS-PHYS | 4(3.3)
College Physics II: PR: PHY 2053C. Fluids, electricity and magnetism, optics, x-rays, radioactivity. Fall. M&S fee $15.00

PHY 2054H | COS-PHYS | 4(3.3)
PHYSICS COURSES

PHY 2090 COS-PHYS 0(0.1,5) Physics Today: CR: PHY 2048C or PHY 2048C. Fundamental principles behind recent developments in physics research will be presented in a seminar format. May be repeated. Occasional.

PHY 3101 COS-PHYS 3(3,0) Physics for Engineers and Scientists III: PR: MAC 2313 and PHY 2040C or PHY 2049H. Thermodynamics, oscillations, modern physics. Fall, Spring.

PHY 3101H COS-PHYS 3(3,0) Honors Physics for Engineers and Scientists III: PR: Permission of Honors and PHY 2040C or PHY 2049H. Same as PHY 3101 with honors-level content. Occasional.

PHY 3220 COS-PHYS 3(3,0) Electricity and Magnetism I: PR: PHY 2048C or PHY 2048H, MAP 2302. Particle dynamics, rigid bodies, Lagrangian formulation of mechanics, Hamilton’s equations. Spring.

PHY 3323 COS-PHYS 3(3,0) Electricity and Magnetism II: PR: PHY 2049C, MAP 2302. Electrostatics, magnetostatics, Lorentz force current electricity, Maxwell’s equations. Fall.

PHY 3513 COS-PHYS 3(3,0) Thermal and Statistical Physics: PR: PHY 3101 or PHY 3101H or PHY 3001. Thermodynamics, kinetic theory, elements of statistical mechanics. Fall.


PHY 3802L COS-PHYS 3(3,0) Intermediate Physics Laboratory: PR: PHY 3101 or C.I. Laboratory work in basic measurements of physical constants: experiments in modern physics, nuclear physics, optics, and solid state physics. May be repeated for credit. Fall.

PHY 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.


PHY 4424 COS-PHYS 3(3,0) Optics: PR: PHY 3101 and PHY 3323. Wave optics, absorption, stimulated emission, lasers, transistors, coherence, holography. Occasional.

PHY 4424L COS-PHYS 3(0,3) Optical Physics Laboratory: A laboratory course on geometric optics, interference, diffraction, materials and modern optics. Occasional.

PHY 4445 COS-PHYS 3(3,0) Lasers: PR: PHY 3101, MAP 2302, PHY 4424, or C.I. Principles of laser gain media, properties of resonators and modes, and description of specific laser systems. Occasional.


PHY 5016 COS-PHYS 1(1,0) Topics in Contemporary Physics for Teachers: PR: Graduate status or senior standing or C.I.. The study of recent findings in a selected area such as particle physics, surface physics, planetary atmospheres, lasers, geophysics, etc. May be repeated for credit. Occasional.

PHY 5140C COS-PHYS 3(3,2) Ion-Solid Interactions: PR: PHY 4604 or PHY 4324, graduate status or senior standing, or C.I. Physical principles and related scientific and technological applications of ion-solid interactions. Even Spring.

PHY 5200C COS-PHYS 1(0.5,1.5) Newtonian Mechanics for Teachers: PR: Graduate status or senior standing or C.I. A lab, lecture, demonstration course studying selected topics in classical mechanics. Occasional.

PHY 5300C COS-PHYS 1(0.5,1.5) Electricity for Teachers: PR: Graduate status or senior standing or C.I. Circuits, multimeters, oscilloscopes, circuit elements. Occasional.

PHY 5302C COS-PHYS 1(0.5,1.5) Electromagnetics for Teachers: PR: Graduate status or senior standing or C.I. Gauss’s Law, Biot-Savart Law, Ampere’s Law, Faraday’s Law, Lenz’s law, motors, generators, AC circuits and Maxwell’s Equations. Occasional.

PHY 5346C PHYSICS 3(3,0) Nonlinear Dynamics: PR: PHY 4324, and graduate status or senior standing or C.I. Boundary value problems in electrodynamics and magnetostatics. Maxwell’s equations. EM fields in matter, wave generation and propagation, wave guides, resonant cavities. Occasional.

PHY 5410C COS-PHYS 1(0.5,1.5) Optics for Teachers: PR: Graduate status or senior standing or C.I. Geometrical and physical optics, spectrometers and lasers. Occasional.

PHY 5455 COS-PHYS 3(3,0) Modern X-Ray Science: PR: Graduate status or senior standing or C.I. An introduction to the science and applications of modern X-ray optics, X-ray lasers, etc., with a review of basic properties of X-rays. Occasional.

PHY 5646C COS-PHYS 1(0.5,1.5) Wave Motion for Teachers: PR: Graduate status or senior standing or C.I. Water waves, waves on strings, sound and vibrations. Occasional.

PHY 5500C COS-PHYS 1(0.5,1.5) Thermal Physics for Teachers: PR: Graduate status or senior standing or C.I. The study of physical concepts and methods appropriate for the description of systems involving many particles. Ensemble theory, partition functions. Maxwell Boltzmann, Bose-Einstein, Fermi-Dirac statistics. Spring.

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. Fall.

PHY 5650 COS-PHYS 3(3,0) Introduction to Quantum Computation: PR: C.I. Theoretical fundamentals and physical implementation of quantum computation for science and engineering students. Occasional.

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) Physics of Graphene and Carbon Nanotubes: PR: PHZ 4404 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 of 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 senior standing and C.I. Hands-on shop course. Focus will be machine shop practice with possible extension to printed circuit boards and glass work. Occasional. M&S fee $45.00.

PHY 5846C COS-PHYS 3(3,0) 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. Coverage of the basic underlying theory and physical concepts and techniques used in the biophysicist's study of dynamic structure and function of biological macromolecules such as proteins. Connections with other complex systems. May be repeated for credit. Occasional.

PHZ 3113 COS-PHYS 3(3,0) Introduction to Theoretical Methods of Physics: PR: MAP 2302. Analytical techniques to solve problems of physics. Spring.


PHZ 3422 COS-PHYS 3(3,0) Nanophysics: PR: PHY 3101 or C.I. Physical phenomena occurring in nanometer-length scale, including nano colloids, and nano transport. Occasional.


PHZ 4041 COS-PHYS 3(3,0) Attosecond Laser Physics: PR: PHY 3323 or PHY 5346 or C.I. Coverage of the basic underlying theory through complex concepts of attosecond optics. Occasional.

PHZ 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.

PHZ 4404 COS-PHYS 3(3,0) Solid State Physics: PR: PHY 3101 or C.I. Atomic binding, crystalline structure, diffraction and reciprocal lattice, lattice vibrations, phonons, electrons in solids, energy bands, semiconductors. Occasional.

PHZ 4424 COS-PHYS 3(3,0) Nanoscale Surface Physics: PR: PHY 3101 or C.I. Physical and chemical properties of nanoscale surfaces. Even Fall.
UCF Courses and Descriptions

PHZ 5045 COS-PHYS 3(3,0) Attosecond Laser Physics: PR: PHY 5606, PHY 5340, PHY 4324, or C.I. An introduction to attosecond pulses using both semi-classical models and quantum mechanics theories. Illustrative examples of attosecond applications. Odd Spring.

PHZ 5156 COS-PHYS 3(3,0) Computational Physics: PR: PHZ 3151 or C.I. Computational techniques applied to the solution of problems in many branches of physics. May be repeated for credit. Fall.

PHZ 5304 COS-PHYS 3(3,0) Nuclear and Particle Physics: PR: PHY 4604 or equivalent, and graduate status or senior standing or C.I. P articles and nuclei, symmetries and conservation laws, interactions, models. Occasional.

PHZ 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 cell structure, phonons, free electron model, band theory of solids, Fermi surface, solid state applications, and polymers. Occasional.

PHZ 5425C COS-PHYS 3(3,3) 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.

PHZ 5432 COS-PHYS 3(3,0) Introduction to Soft Condensed Matter Physics: PR: PHY 3513 or C.I. Introduction to the physics of polymers, colloids, surfactants using basic tools of statistical mechanics. Occasional.

PHZ 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.

PHZ 5445 COS-PHYS 3(3,0) Nanofabrication using Focused Ion Beam: PR: Graduate standing or C.I. Basic theory of ion-solid interaction; fundamental principle of focused ion beam instrument and its applications in nanofabrication; other ion beam techniques. Odd Spring.

PHZ 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.

PHZ 5629 COS-PHYS 1(1,0) Special Relativity for Teachers: PR: Graduate status or senior standing or C.I. Length contraction, time dilation, simultaneity, conservation of mass-energy, conservation of momentum, Compton scattering. Occasional.

PLA 3014 HPA-LS 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 3018 HPA-LS 3(3,0) Legal Research: PR: PLA 3014 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 3155 HPA-LS 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-LS 3(3,0) Civil Practice and Procedure: PR: PLA 3014 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-LS 3(3,0) Civil practice and Procedure - Honors: PR: Permission of Honors and PLA 3014 or C.I. Same as PLA 3205 with honors level content. Occasional.

PLA 3277 HPA-LS 3(3,0) The Law of Torts: PR: PLA 3014 or C.I. Theories governing civil injures not arising from contractual obligations; systems and procedures used in preparation, trial and appeal of Torts cases. Fall, Spring.

PLA 3306 HPA-LS 3(3,0) Criminal Law: Basic concepts of substantive criminal law. The course includes examination of elements of major crimes, criminal responsibility, legal defenses, and parties to crime. Fall, Spring.

PLA 3309 HPA-LS 3(3,0) Criminal Procedure: PR: PLA 3014 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-LS 3(3,0) Property and Real Estate Law: PR: PLA 3014. Study of the law of real and personal property; real estate transactions and conveyances; closing procedures and title problems. Fall, Spring.

PLA 4020 HPA-LS 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-LS 3(3,0) Advanced Trial Advocacy: PR: PLA 4910 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-LS 3(3,0) Negotiation Alternatives in Law: PR: PLA 3014. The theories and skills involved in negotiation, mediation and other dispute resolutions processes. Occasional.

PLA 4263 HPA-LS 3(3,0) Evidence: PR: PLA 3014 and 3201 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-LS 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-LS 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-LS 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-LS 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-LS 3(3,0) Administrative Law: PR: PLA 3014 or PAD 3003. The law regulating governmental agencies with emphasis on the administrative process, Administrative Procedures Acts and special problems of state administrative law. Fall, Spring.

PLA 4530 HPA-LS 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-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 4583H HPA-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-LS 3(3,0) Estates and Trusts: PR: PLA 3014, PLA 3015. A study of wills and trusts, and applicable legal principles of administration of estates through the processes of the Probate Court. Fall, Spring.

PLA 4609 HPA-LS 3(3,0) Estate Administration: PR: PLA 4607. Study of the laws and procedures applicable to administration of estates. Occasional.

PLA 4703 HPA-LS 3(3,0) Professional Ethics and Liability: PR: PLA 3014. Ethical responsibilities of professionals. Canons of legal ethics, liability for professional malpractice. Fall, Spring.

PLA 4710 HPA-LS 1(1,0) Careers in Legal Studies: PR: Major in Legal Studies or C.I. Applications of Legal Studies. Students will explore options in legal studies, professional development, and ethics. Graded SU. Occasional.

PLA 4734 HPA-LS 3(3,0) Advanced Legal Applications Computer Software: PR: PLA 3014 or C.I. Course will acquaint students with contemporary computer software applications used to satisfy the demands of today’s law firms and law-related fields. Occasional.

PLA 4764 HPA-LS 3(3,0) Law Office Practices: PR: PLA 3014. Organization, operation and management of law office. Interviewing techniques and practical application of work that is done in a law office. Occasional.

PLA 4806 HPA-LS 3(3,0) Domestic Relations Law: PR: 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-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-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 4825 HPA-LS 3(3,0) Entertainment Law: PR: PLA 3014 or C.I. Introduction to the control and regulation of the entertainment industry and the associated legal issues. Occasional.

PLA 4826 HPA-LS 3(3,0) Advanced Entertainment Law: PR: PLA 4825. Legal complexities and regulations pertaining to the Entertainment Industry at an advanced level. Occasional.
PLA 4830 HPA-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-LS 3(3,0)

PLA 4910 HPA-LS 3(3,0)
Trial Advocacy: PR: PLA 3014, PLA 4263 or C.I. Analysis of the entire litigation process from the initial client interview through the appellate stage, and development of oral advocacy skills. Fall, Spring.

PLA 4935 HPA-LS 3(3,0)
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 study and coursework. Course will assist students entering employment or graduate education. Fall, Spring.

PLA 5587 HPA-LS 3(3,0)
Current Issues in Cyberlaw: PR: Graduate standing or C.I. Advanced examination and discussion of free speech, copyright, trademark, patent and privacy issues in the online environment through interactive class discussions, online discussions, postings, case study reviews, and legal research projects. Occasional.

PLA 5937 HPA-LS 3(1,2)

POR 1120C CAH-LANG 4(3,1)
Elementary Portuguese Language and Civilization I: Introduces the student to Portuguese culture through the major language skills: listening, speaking, reading, and writing. Open only to students with no experience in this language. Fall.

POR 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 1120 or equivalent or C.I. Development of Portuguese language skills at the intermediate level. Fall, Spring.

POR 2201 CAH-LANG 3(3,0)
Intermediate Portuguese II: PR: POR 2200 or equivalent or C.I. Continuation of POR 2200 with emphasis on Portuguese cultures. Fall, Spring.

POR 3140 CAH-LANG 3(3,0)
Accelerated Portuguese for Speakers of Romance Languages: PR: FRE 2201, or ITA 2201, or SPN 2201, or equivalent. Accelerated Portuguese for proficient speakers of Romance Languages. It is expected that students have no prior knowledge of Portuguese. Occasional.

POS 2041 COS-POLS 3(3,0)
American National Government: A study of the dynamics of American national government, including its structure, organization, powers, and procedures. Fall, Spring.

POS 2041H COS-POLS 3(3,0)

POS 3076 COS-POLS 3(3,0)
American Indian Politics: PR: POS 2041 or C.I. Politics and policies specific to indigenous peoples of the United States. Occasional.

POS 3122 COS-POLS 3(3,0)

POS 3122H COS-POLS 3(3,0)

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 3223 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. 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, power, 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 committee system, and legislative processes. Fall.

POS 3430 COS-POLS 3(3,0)
American Political Parties and Political 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, reform, legislative and executive roles. Occasional.

POS 3463 COS-POLS 3(3,0)
Interest Groups: PR: POS 2041 or C.I. Analyzes the non-electoral behavior of economic, ideological, and citizen groups; political action committees; and the proliferation of interest organizations over the past quarter century. Occasional.

POS 3627 COS-POLS 3(3,0)

POS 3703 COS-POLS 3(3,0)
Scope and Methods of Political Science: PR: Junior standing or C.I. The scope and methodology of political analysis. Extensive examination of the discipline, research design and methodology. Fall, Spring.

POS 3949 COS-POLS 0(0,8)

POS 4074 COS-POLS 3(3,0)
Latino Politics: PR: POS 2041 or C.I. Political characteristics of the Latino community in the United States and its impact on U.S. national and international politics and policies. Odd Fall.

POS 4142 COS-POLS 3(3,0)
Metropolitan Politics: Analysis of political patterns, processes, and issues in American communities. Intergovernmental relations and structural and political arrangements in the existing and emerging metropolitan areas. Occasional.

POS 4204 COS-POLS 3(3,0)
Behavioral Psychology: PR: POS 2041 or C.I. Mass political behavior, concentrating on voting and participation, primarily in the United States. Occasional.

POS 4206 COS-POLS 3(3,0)
Political Psychology: The psychological analysis of political behavior, with emphasis on the individual rather than the political system; includes political attitudes and communication, leadership, and personality influences on politics. Occasional.

POS 4246 COS-POLS 3(3,0)
Political Socialization: PR: POS 2041 or C.I. Analysis of recruitment and socialization processes. Identification of the agents and processes of political socialization in national and cross-cultural contexts. Occasional.

POS 4284 COS-POLS 3(3,0)
Judicial Process and Politics: Study of the formal and informal judicial process. Legal culture, bureaucratic model, judicial recruitment and outputs, comparative judicial behavior. Fall, Odd Spring.

POS 4412 COS-POLS 3(3,0)
Presidential Campaigning: PR: C.I. Introduces the process of candidate selection, convention behavior, actual campaign process and the transition of power. Occasional.

POS 4603 COS-POLS 3(3,0)
American Constitutional Law: PR: POS 2041 or C.I. Development of American federalism and national power, commerce clause, and nationalization of the economy. Fall.

POS 4604 COS-POLS 3(3,0)
American Constitutional Law II: PR: POS 2041 or C.I. Development of civil liberties and civil rights in the American federal system. Spring.

POS 4622 COS-POLS 3(3,0)
Political and Civil Rights: PR: Junior standing or C.I. Examination of civil rights issues in the context of political behavior, political institutions and public policy since 1865. Occasional.

POS 4742 COS-POLS 3(3,0)
PSY 4205 COS-PSYCH 3(3.0) The Psychology of Art: PR: PSY 2012, and ARH 2081 or ARH 2082. Discussion of the psychological perspectives on art to gain a greater understanding and enhanced appreciation for the process and products of creativity. Occasional.


PSY 4270L COS-PSYCH 3(0.3) Advanced Research Methods Statistical Lab: PR: PSY 3213C and CR: PSY 4270C. Data analysis and research reporting procedures. Experience in analyzing and explaining the methods and results used in research reports. Occasional. M&S fee $15.00

PSY 4305C COS-PSYCH 3(1.4) Advanced Psychological Measurement: PR: or CR: PSY 3002. Application of the theory underlying psychological test and measurement procedures, including reliability, validity, and item analysis. Occasional.

PSY 4604 COS-PSYCH 3(3.0) History and Systems of Psychology: PR: PSY 2012 and Junior standing. Historical development of psychology, with emphasis on classical theoretical positions. Occasional.

PSY 4604H COS-PSYCH 3(3.0) Honors History and Systems in Psychology: PR: PSY 2012 and Junior standing and consent of Honors. Historical development of psychology, with emphasis on classical theoretical positions. With Honors content. Occasional.

PSY 5605 COS-PSYCH 3(3.0) History and Systems of Psychology: PR: Acceptance to Clinical Psychology PhD program or C.I. An examination of the development of American psychology from its origins in the late 19th century to the present. This course is intended for the PhD in Clinical Psychology; in certain instances graduate students in other programs may enroll. Odd Fall.

PUP 3014 COS-POLS 3(3.0) Comparative Public Policy: PR: POS 2041 or CPO 3103 or C.I. Areas of public policy such as immigration, education, trade, taxation, and fiscal policy in selected countries. Occasional.

PUP 3203 COS-POLS 3(3.0) Environmental Politics: PR: POS 2041 or C.I. An examination of politics and policy-making concerning issues of conservation, pollution and development of land, air, and water resources. Odd Fall.

PUP 3314 COS-POLS 3(3.0) Minorities in American Politics: PR: POS 2041 or C.I. Women’s role in the political process, emphasizing women in the governmental and process policy. Odd Fall.

PUP 3325 COS-POLS 3(3.0) Women and Political Behavior: PR: POS 2041 or C.I. Women’s role in the political process, emphasizing women in the governmental and process policy. Odd Fall.

PUP 3508 COS-POLS 3(3.0) Space Studies: PR: Junior standing or C.I. Multidisciplinary overview of space studies, providing familiarity with some technical aspects as well as the relationship between technical and public policy considerations. Occasional.

PUP 4003 COS-POLS 3(3.0) American Public Policy: PR: POS 2041 or C.I. Policy formation, implementation and evaluation, with a focus upon contemporary American problems, including the malapportionment of societal power and social conflict. Occasional.

PUP 4204 COS-POLS 3(3.0) Sustainability: PR: POS 2041 or C.I. Environmental politics through the lens of "sustainability." Attention devoted to the relationships of culture, economics, and ecology. Odd Fall.

PUP 4209 COS-POLS 3(3.0) Urban Environmental Policy: PR: POS 2041. Public policy, ecology, and the urban political landscape explored by tracing their development and prospects for sustainable cities. Occasional.

PUP 4323 COS-POLS 3(3.0) Women and Public Policy: PR: POS 2041 or C.I. Public policies and processes that achieve a disparate impact on women and women’s lives in the United States. Occasional.

PUP 4404 COS-POLS 3(3.0) Education and Politics: PR: Junior standing or C.I. Western education and the connection between citizenship and education, education funding, and the politics of education reform. Occasional.

PUP 4503 COS-POLS 3(3.0) Government and Science: PR: C.I. Examination of interface between science and government. Focus is upon governmental support for science, social accountability, and the role of the scientist-policy maker in comparative context. Occasional.

PUP 4510 COS-POLS 3(3.0) Space Policy: An examination of the politics and policy-making involved with the US space program in the context of domestic demands and other international space programs. Even Fall.

PUP 4602 COS-POLS 3(3.0) Politics of Health: PR: C.I. Analysis of public health policy. Focus on primary focus upon politics processes, policymakers, and interest group interventions, including consumers and policy outcomes. Comparative health policies. Occasional.

PUP 4744 COS-POLS 3(3.0) Government and Business: PR: Junior standing or C.I. Analysis of public policies regarding business. Study includes various levels of government including international organizations. Occasional.

PUP 4931 COS-POLS 3(3.0) Topics in Public Policy: Intensive analysis of a current policy problem. Sample topics include education, growth management, housing, affirmative action, welfare, and transportation. May be used in the degree program a maximum of 2 times. Occasional.

PUP 3004 COS-COMM 3(3.0) Public Relations and Society: PR: SPC 1608 or SPC 1608 or COM 1000 or C.I. The important role public relations has played in the development of contemporary society. Occasional.

PUP 3100 COS-COMM 3(2.1) Writing for Public Relations: PR: Ad-PR Majors only. Development of skills in writing for public relations. Fall, Spring.

PUP 4000 COS-COMM 3(3.0) Public Relations: PR: SPC 1608, or SPC 1603, or COM 1000. Principles and practice of Public Relations including techniques, research tools publicity and management. Fall, Spring.

PUP 4000H COS-COMM 3(3.0) Honors Public Relations: PR: SPC 1608 or COM 1000. Advanced review of principles and practice of public relations including techniques, research tools, publicity and management. Occasional.

PUP 4110C COS-COMM 3(1.3) Public Relations Publications: PR: ENC 2210 or PUR 3100 or ENC 2325. Principles and techniques of desktop production of public relations publications. Fall, Spring.

PUP 4203 COS-COMM 3(3.0) PR/Advertising Ethics and Law: PR: Ad-PR majors only and ADV 3008. Legal precedents applicable to advertising and public relations as well as ethical considerations for both. Occasional.


PUP 4801 COS-COMM 3(3.0) Public Relations Case Studies: PR: Ad-PR majors only and PUR 4005 or C.I. Discussion and analysis of public relations cases highlighting the application of PR theory to advance organizational goals. Fall, Spring.

QMB 4700 BA-MAN 3(3.0) Managerial Decision Making: PR: GEB 3031 and MAN 3025. Computer-based quantitative decision models (including linear programming and extensions, queuing, network models, simulation) and decision support systems for business organizations. Occasional.


RAT 3242 HPA-HP 2(2.0) Oncologic Pathology: PR: Acceptance to program. Study of neoplastic diseases, including causative factors, characteristics, histologic grading, staging and treatment. Occasional.


RAT 4247 HPA-HP 3(3.0) Radiation Oncology I: Methods of radiation therapy treatment of malignant conditions of the skin, oral cavity, pharynx, sinuses, thyroid, digestive and respiratory systems. Occasional.

RAT 4248 HPA-HP 3(3.0) Radiation Oncology II: Methods of treatment of malignant conditions of the nervous system, eye, reproductive system, urinary system, connective tissue, and lymphoreticular system. Occasional.

RAT 4618C HPA-HP 4(3.3) Radiation Therapy Physics II: PR: RAT 3614. Study of radiation protection techniques, design considerations, modes and characteristics of decay, handling of radionuclides and clinical dosimetry. Occasional.

RAT 4619C HPA-HP 4(3.3) Radiation Therapy Physics III: PR: RAT 4618C. Study of treatment planning principles and techniques, including multiple beam therapy, rotation therapy, arc therapy, and irregular field techniques. Occasional.

RAT 4804L HPA-HP 5(0.20) Clinical Education I: PR: RTE 3000, RTE 3111C, RTE 3528, RTE 3614, RTE 3840L, 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. Occasional.

RAT 4814L HPA-HP 6(0.24) Clinical Education II: PR: RAT 4804L. Supervised clinical practice in patient care, education, simulation, treatment planning and delivery and utilization of treatment units. Occasional.

RAT 4824L HPA-HP 6(0.24) Clinical Education III: PR: RAT 4814L. Continued supervised clinical practice in patient care, education, simulation, treatment planning and delivery and utilization of treatment units. Occasional.

RED 3012 ED-TL&L 3(3.0) Basic Foundations of Reading: PR: Junior standing or C.I. Principles, procedures, and current practices for teaching reading. Specific techniques and materials for word identification, content reading and comprehension. Fall, Spring.
UCF Courses and Descriptions

RED 3100 ED-FCFS 3(3,0)
Early Reading, Writing and Language Arts; PR: Admission to the Early Childhood Education Program. Emergent reading/writing processes during preschool, kindergarten, and first grade; methods for implementing integrated language arts curriculum; guiding developmental early childhood language experiences. Occasional.

RED 4043 ED-TL&L 3(3,0)
Corrective Reading in Kindergarten through Grade 12; PR: Junior or senior standing. Admission to the teacher education program. Content literacy in the K-12 school curriculum; principles, strategies, assessment, and promoting practices. Fall, Spring.

RED 4311 ED-CFCS 3(3,0)
Primary Reading, Writing, and Language Arts Curriculum and Assessment; PR: RED 3012 and RED 3310; CR: EEC 3940. Methodologies for teaching and assessing young children in reading, writing, and language arts in the elementary grades. Fall.

RED 4519 ED-TL&L 3(3,1)

RED 4942 ED-TL&L 3(3,0)
Practicum for Assessment and Instruction of Reading; PR: RED 4519. Corequisite: Internship I. Practicum provides an opportunity to apply knowledge of reading assessment and instruction in order to increase reading proficiency of struggling readers. Concurrent school experience required. Fall, Spring.

RED 5147 ED-TL&L 3(3,0)

RED 5517 ED-TL&L 3(3,1)
Classroom Diagnosis and Development of Reading Proficiencies: PR: RED 5147 or equivalent. Classroom diagnosis and prescriptive teaching in reading: instructional materials. Case study required. Even Fall, Spring.

RED 5948 ED-TL&L 3(3,0)
Practicum in Reading Assessment and Instruction; PR: RED 5517. Practicum that requires application of reading assessment and instruction in order to increase reading proficiency of struggling readers. Concurrent K-12 field experiences required. Fall, Spring.

REE 3043 BA-FIN 3(3,0)
Fundamentals of Real Estate; PR: Junior standing. An overview of basic tools of economics, finance, and marketing to solve private and public sector real estate problems. Fall, Spring.

REE 3433 BA-FIN 3(3,0)
Real Estate Law; PR: Junior standing. An analysis of real estate law with emphasis on Florida statutes and case law. Fall, Spring.

REE 3614 BA-FIN 3(3,0)
Environmental Issues for Real Estate; PR: REE 3043, REE 3433; open to majors or minors who require this course. Political, cultural, institutional and scientific mechanisms which shape environmental policy. The effects of hazard, risk and uncertainty in policy development. Occasional.

REE 4103 BA-FIN 3(3,0)
Real Estate Appraisal and Valuation; PR: FIN 3403C. Focus on the fundamentals of real estate valuation, including tools of financial and economic analysis. Occasional.

REE 4203 BA-FIN 3(3,0)
Commercial Real Estate Finance; PR: FIN 3403C; open to majors or minors who require this course. The practice of commercial real estate finance; emphasis on lender and borrower decision making and secondary markets. Occasional.

REE 4204 BA-FIN 3(3,0)
Residential Real Estate Finance; PR: FIN 3403C; open to majors or minors who require this course. Study of the practice of residential real estate finance; emphasis on lender and borrower decision making and secondary markets. Fall, Spring.

REE 4303 BA-FIN 3(3,0)
Real Estate Investment Analysis; PR: FIN 3403C. Focus on real estate decision-making in the private sector utilizing tools of financial and economic analysis. Fall, Spring.

REE 4732 BA-FIN 3(3,0)
Real Estate Development; PR: FIN 3403C. The real estate development process, from the inception of a project through to lease-up, long-term financing, and final sale to the investment community. Fall.

REE 4933 BA-FIN 3(3,0)
Advanced Topics in Real Estate: PR: REE 3433 and REE 3433, or department approval. Advanced topics in real estate development, investment analysis, and market analysis. Cases cover the entire planning process for a real estate development or redevelopment project. Occasional.

REL 2000 CAH-PHIL 3(3,0)
Introduction to Religious Studies: Introduction to the academic study of religion; exploration of the phenomenon of religion and critical thinking about the question: What is religion? Fall.

REL 2300 CAH-PHIL 3(3,0)
World Religions: Basic features and historical background of Confucianism, Taoism, Hinduism, Buddhism, Judaism, Christianity, and Islam. Fall, Spring.

REL 2300H CAH-PHIL 3(3,0)

REL 3111 CAH-PHIL 3(3,0)
Religion and Philosophy Through Film; PR: ENG 1102 and either PHI 2010 or REL 2300 or FIL 1000. 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.

REL 3115 CAH-PHIL 3(3,0)
Religion, Spirituality, and Popular Music; PR: HUM 2230 or REL 2300. Contemporary spiritual sensibilities encountered at the intersection of religion, philosophy, and popular music. Odd Fall.

REL 3131 CAH-PHIL 3(3,0)

REL 3340 CAH-PHIL 3(3,0)
Buddhist Thought: PR: HUM 2230 or REL 2300 or C.I. Teachings of Buddhism and their contemporary applications. Odd Fall, Spring.

REL 3432 CAH-PHIL 3(3,0)
Roots of Western Mysticism; PR: HUM 3435, HUM 3552, HUM 4303, HUM 4554, PHI 3100, or PHI 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.

REL 4110 CAH-PHIL 3(3,0)
Religion and the Arts; 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.

REL 4180 CAH-PHIL 3(3,0)
Religion and Medicine; PR: Junior standing and REL 2300 or C.I. A comparative study of the approaches toward medicine and healing in different religious traditions in the U.S. and in the wider world. With Honors content. Occasional.

REL 4901 CAH-PHIL 1(1-0)
Portfolio: PR: Final semester as Humanities/Religious Studies track major. Presentation of a representative sampling of a student’s best undergraduate work, with appropriate revision, including a cover narrative indicating development of knowledge and skills in the subject area. Graded S/U. Occasional.

REL 4910 CAH-PHIL 3(3,0)
Senior Research Seminar: PR: Senior standing and Religion Studies track major. Capstone course on research, developing effective oral and written communication skills. Occasional.

RET 3026C HPA-HP 4(3,3)
Introductory to Respiratory Care.; PR: Admission to the professional upper-division Respiratory Therapy Program. Fundamental respiratory principles and practices will be studied. Introduction to the profession and basic methods are covered. Lecture and lab. Fall.

RET 3269C HPA-HP 4(3,3)
Mechanical Ventilation; PR: RET 3026C. Function and use of mechanical ventilators, patient evaluation methods. All forms of ventilatory support will be studied. Lecture and laboratory. Occasional.

RET 3493C HPA-HP 3(2,3)
Respiratory Assessment: PR: RET 3269C or C.I. Demonstrates physical assessment techniques, critical thinking, chest radiology and other laboratory techniques, polysomnography and clinical documentation. Includes Internet work. Spring.

RET 3494C HPA-HP 4(3,3)
Respiratory Care: PR: PCB 3703C. Normal ventilation, lung mechanics, pulmonary circulation, diffusion, and blood gases, with an emphasis toward diagnostic cardiology. Fall.

RET 3717C HPA-HP 3(3,0)
Pediatric Respiratory Care: PR: RET 3026C. The study of childhood respiratory diseases, congenital problems, infections, metabolic disorders, and AIDS. Spring.

RET 3884L HPA-HP 5(0,16)

RET 3885L HPA-HP 8(0,24)
Clinical Practice II: PR: C.I. Patient care with advanced respiratory equipment. Tracheostomy care. Introduction to cardiopulmonary resuscitation. Introduction to critical care units. Advanced life support techniques and equipment. Fall.

RET 4034 HPA-HP 3(3,0)

RET 4246 HPA-HP 3(3,0)

RET 4281 HPA-HP 3(3,0)
Cardiopulmonary Diagnostics I: PR: RET 4246. Non-invasive cardiac diagnostics, including echocardiography, nuclear cardiology, and stress testing. Fall.

RET 4288 HPA-HP 3(3,0)
Cardiopulmonary Diagnostics II: PR: RET 4246 and RET 4287. Invasive cardiac diagnostic and therapeutic measures, including cardiac catheterization, PTCA, streptokinase use, and heart surgery. Spring.
RTV 3223C COS-COMM 3(2,1) Lighting for Video: PR: RTV 3228C or RTV 3260C, and RTV 3202C or RTV 3202L. Production Specialization. Basic techniques for studio and location, single and multicamera video production. Students should expect significant work in the RTV facility outside of class. Odd Fall, Spring. M&S fee $30.00

RTV 3228C COS-COMM 4(3,1) Studio Television Production: PR: RTV 3202 and RTV major - Production Specialization. Analog and digital television studio production including audio mixers, microphones, tape machines, cameras, video switchers, lighting, and electronic graphics. Students should expect significant work in the RTV facility outside of class. Odd Fall, Even Spring. M&S fee $30.00

RTV 3234C COS-COMM 3(2,1) Broadcast Announcing and Performance: PR: RTV Major, Junior standing, and C.I. Development of performance skills and techniques required to be a performer in any area of broadcast television and performing industry, with an emphasis on an interprofessional communication context. C.I. Special programs, strategies, and materials for middle school and high school. Fall, Spring. M&S fee $10.00

RTV 3260C COS-COMM 4(3,1) Single Camera Video Production and Editing: PR: RTV 3202 or RTV 3202L. Production Specialization. Production of broadcast television commercials or Broad Cast Journal 1. Technical and aesthetic requirements of digital video production and editing, including technical theories for digital 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. Production Specialization. Advanced post-production techniques for analog and digital video, including A/B roll 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 3283C COS-COMM 3(2,1) Production of Interactive Multimedia: PR: CGS 1006C; major status in K-TV, AD-PR, Journalism, Organization of Communication. Production and production of electronic interactive multimedia for the broadcast industry. Students should expect significant work in the RTV facility outside of class. Odd Fall. M&S fee $15.00

RTV 3301C COS-COMM 3(3,0) Electronic Journalism I: PR: RTV 2102 and RTV Major - Broadcast Journalism Specialization. Newswriting and newsgathering skills and their accompanying ethical considerations for analog and digital delivery of broadcast journalism. Fall, Spring.

RTV 3304C 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(3,0) Practicum: PR: C.I., RTV Major, and either RTV 3210C, RTV 3228C, or RTV 3260C. Student will serve in some position: responsibility for UCF Weekly News or other RTV program. Graded SU. May be repeated for credit. Occasional.

RTV 4206C COS-COMM 3(2,1) Television Directing: PR: RTV 3228C, RTV 3260C, 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 facility outside of class. Odd Fall, Even Spring. M&S fee $30.00

RTV 4211C COS-COMM 3(2,1) Audio Production I: PR: RTV 3210C 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 facility outside of class. Odd Fall, Even Spring. M&S fee $15.00

RTV 4271C COS-COMM 3(2,1) Radio Production and Programming: PR: RTV 3200 and RTV Major - Broadcast Journalism 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.

RTV 4280C COS-COMM 3(2,1) Webcasting I: PR: RTV Major and PR or CR: RTV 3283C. 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 II: 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 decisions are conducted by students under the advisement of the instructor functioning as news director. Students should expect significant work in the RTV lab facility outside of class. Fall, Spring. M&S fee $15.00

RTV 4322C COS-COMM 3(2,1) Advanced News TV: 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 3007. Theories of mass communication, mass communication effects, and emerging communication technologies, including digital media. Fall, Spring.

RTV 4503 COS-COMM 3(3,0) Sports Programming in Electronic Media: PR: SPC 1608 or COM 1000 or RTV 3007 or C.I. Factors that determine how sporting events are constructed for programming on broadcast stations, cable television, and other forms of electronic media. Occasional.

RTV 4505 COS-COMM 3(2,1) Program Issues for TV & Motion Pictures: PR: RTV 3007 or FIL 2030 or RTV 3007 or C.I. An examination of program development theories, strategies and issues in the television and motion picture industries. Students should expect significant work in the RTV lab facility outside of class. Occasional.

RTV 4700 COS-COMM 3(3,0) Regulation of Broadcasting: PR: RTV Majors only, RTV 3007. Federal, state, local and self-regulatory agencies and practices which govern electronic media. Fall.

RTV 4800 COS-COMM 3(3,0) Broadcast Management: PR: RTV Majors only, RTV 4700. Examination of broadcast management practices in station operations at local, regional, and national levels. Odd Spring.

RUS 1120 CAH-LANG 4(4,1) Elementary Russian Language and Civilization I: PR: RUS 1121 or equivalent. Continuation of RUS 1120, with emphasis on Russian civilization. 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 Civilization: PR: RUS 2201 or equivalent. Development of skills in conversation and comprehension through practice. Occasional.

RUS 3760 CAH-LANG 3(3,0) Advanced Russian Oral Communication: PR: RUS 2201 or equivalent. Vocabulary building with systematic training in diction and intonation. Speeches and oral presentations as well as production and delivery of real-life dialogues. Occasional.

SCC 3311 HPA-CJ 3(3,0) Security Administration: Discussion of modern security administration and the security-law enforcement interface, emphasizing a systems approach and utilizing the design of a security plan for a plant. Occasional.

SCC 3314 HPA-CJ 3(3,0) Physical Security: PR: C.I. 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 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-TL&L 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-CFCS 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 4360 ED-TL&L 4(3,2) Science Instructional Analysis: PR: EDG 4323 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-TL&L 3(3,0) Programs in Teaching Science: PR: Admission to the Bachelor of Science in Science Education program or C.I. Special programs, strategies, and materials for middle and secondary school science education majors. Spring.

SCE 5325 ED-TL&L 3(3,0) Teaching Middle School Science: PR: EDG 6236 or C.I. This course will provide experiences that promote effective science teaching in grades 5-9 including interdisciplinary learning, technology use, ESOL, and inquiry in science. Occasional.

SCE 5337 ED-TL&L 3(3,0) Issues and Methods in Secondary School Science: PR: EDG 6236 or C.I. Secondary science special methods course is designed to develop students’ understanding of instructional methods and their applications to middle and high school science curriculum. Fall, Spring.

SCE 5836 ED-TL&L 3(3,0) Space and Physical Science for Educators: PR: C.I. Pre-existing standing C.I. Introduction to space and physical science, manned space flight, and space education curriculum. Occasional.
SLS 1501 ED-TL&L 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-TL&L 2(2,1)
Student Organization Leadership: Application of leadership styles and behavioral styles to the contemporary student leader. Fall, Spring.

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-TL&L 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)

SOP 3004C COS-PHYC 3(3,2)

SOP 3723 COS-PHYC 3(3,0)

SOP 3724 COS-PHYC 3(3,0)
Psychology of Prejudice: PR: PSY 2012. Examination of literature relating to prejudice toward groups and individuals, development and maintenance of prejudice, and possible ways to reduce prejudice. Even Spring.

SOP 3742 COS-PHYC 3(3,0)
Psychology of Women: PR: PSY 2012. Examination of the psychological impact of changing sex roles on women in modern society. Topics include child rearing, working women, and sex differences in personality and cognition. Fall, Spring.

SOP 3751 COS-PHYC 3(3,0)
Legal Aspects of Psychology: PR: PSY 2012 or SYG 2000; PFE 3003C or C.I. Ethical and legal dilemmas and issues in the practice of psychology. Fall.

SOP 3784 COS-PHYC 3(3,0)

SOP 5059 COS-PHYC 3(3,0)
Advanced Social Psychology: PR: SOP 3004C, 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)

SOW 3111 HPA-SOWK 3(3,0)

SOW 3203 HPA-SOWK 3(3,0)
Social Work & Community Resources: PR: Jr. Standing or non-majors. Generalist social work practice, including the structure of American social welfare, values and ethics of social work and community resources. Fall.

SOW 3300 HPA-SOWK 3(2,1)
Practice I: Generalist Practice in Social Work: PR: Admission to MSW Program, Study of social work functions, knowledge, values, and skills. Development of ability to use a generalist model of practice. Fall.

SOW 3352 HPA-SOWK 3(1,2)
Practice II: Interpersonal Skills in Social Work: PR: SOW 3300. PR or CR: SOW 3300. Study and analyze of interviewing, group leadership, written communication, and oral presentations, in consensual as well as conflictual contexts of social work. Spring.

SOW 3401 HPA-SOWK 3(3,0)
Social Work Research: PR: STA 2014C or STA 2023. Study of quantitative and qualitative research in professional research in social work. Fall.

SOW 3620 HPA-SOWK 3(3,0)

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 strengths perspective. Assessment & intervention recognizing cultural differences will be addressed. Fall.

SOW 4232 HPA-SOWK 3(3,0)

SOW 4341 HPA-SOWK 3(1,2)
Micro-Level Roles and Interventions in Social Work: PR: SOW 3300, SOW 3302. 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 3302. 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 systematic data collection and of measurement of change in individuals, families, groups, programs, and communities. Occasional.

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. Graduated S/U. Spring.

SOW 4522 HPA-SOWK 3(2,1)
Field Education Seminar: PR: Completion of required courses in major: CR: SOW 4510. 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 3104 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 3104, or Gerontology Certificate Major or C.I. Development of interventional 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 MSW Program or C.I. The social worker’s role and interventions with victims of child abuse and their family members. Spring.

SOW 4654 HPA-SOWK 3(3,0)

SOW 4673 HPA-SOWK 3(3,0)

SOW 4705 HPA-SOWK 3(3,0)

SOW 4706 HPA-SOWK 3(3,0)
Intervention with Substance Abusers: PR: Junior Standing. Strategies for working with persons who abuse alcohol, other drugs and substances. Fall, Even Spring.

SOW 4730 HPA-SOWK 3(3,0)
Documentation in Social Work Practice: PR: SOW 3300 and SOW 3302. For Social Work majors only. Development of documentation skills for the delivery of social work services in various agency settings. Fall.

SOW 4754 HPA-SOWK 3(3,0)
Forensic Social Work Theory and Practice: PR: SOW 3303 or C.I. The role of social workers within the courts and criminal justice system. Occasional.

SOW 5105 HPA-SOWK 3(3,0)
Human Behavior and Social Environment I: Individual: PR: Admission to MSW program. Study of human development and psychosocial functioning of individuals at various life stages with particular attention to implications of human diversity. Fall.

SOW 5106 HPA-SOWK 3(3,0)
Human Behavior and Social Environment II: Social Systems: Study of the patterns and dynamics of families, groups, organizations, and communities from a social work and a systems perspective. Spring.

SOW 5132 HPA-SOWK 3(3,0)
Diverse Client Populations: Study of human diversity, focusing on the diversity of race, ethnicity, gender, age, social class, and other variables, and service issues of diverse identity minority client populations. Spring.

SOW 5235 HPA-SOWK 3(3,0)
Social Welfare Policies and Services: Study of societal responses to human needs; forces shaping social welfare systems, introduces frameworks for analyzing social policies and services. Fall.

SOW 5305 HPA-SOWK 3(3,0)
Social Work Practice I: Generalist Practice: Study of social work functions, knowledge, values, roles and skills; the use of a generalist model of practice. Fall.

SOW 5306 HPA-SOWK 3(3,0)
Social Work Practice II: Intervention Approaches: Study of selected social work theories, strategies, and techniques for helping people and improving system responsiveness to human needs. Spring.

SOW 5355 HPA-SOWK 3(3,0)
Studies in Social Work Practice: PR: C.I. Analysis of one or more urban practice issues and approaches. May be repeated for credit. Occasional.
SPA 4948 HPA-COM SCADIS 3(0,3) Community Internship: PR: SPA 4400 or SPA 4476 and seals 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 SCADIS 3(3,0) Multicultural Aspects of Communication Disorders and Differences: PR: Graduate standing. Introduction to cultural and linguistic diversity among individuals with communication differences and disorders. Special emphasis on African, Hispanic, Asian, and Native-American cultures. Occasional.

SPA 5554 HPA-COM SCADIS 3(3,0) Counseling in Communicative Disorders: PR: Senior Status or C.I. Interviewing and counseling for individuals with communication disorders and their families. Spring.

SPC 4485 HPA-COM SCADIS 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 individuals with communication disorders. Occasional.

SPC 4104 HPA-COM SCADIS 3(0,3) The Role of Business Entrepreneurship in Sports/Entertainment: PR: SPB 3003, and either FIN 2100 and MAR 3023 or admission to a business major. Introduces the student to Spanish culture and its application to preparing and delivering public speeches. Fall, Spring.

SPA 5453 HPA-COM SCADIS 3(3,0) Marketing and Promoting Sports and Exercise Programs: PR: C.I. Introduces students to all aspects of sports marketing including planning, organizing, marketing, evaluating, and conducting special and sport events. Occasional.

SPA 5506 HPA-COM SCADIS 3(3,0) Public Relations in Sport and Exercise Science: Fall, Spring.


SPA 5465 HPA-MAN 3(3,0) Ethics in Sport Business: PR: SPB 3003. The ethics and moral issues in sport and their business implications focusing on the responsibilities of decision makers in professional, collegiate, and Olympic sport. Occasional.

SPA 4104 HPA-MAN 3(3,0) Intercollegiate Sport Industry: PR: SPB 3003. The structure, function, and management of intercollegiate sport management and a framework for sound business decision making. Fall, Spring.

SPA 4202 HPA-MAN 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. Fall, Spring.

SPA 4304 HPA-MAN 3(3,0) Sports Event and Facility Management: PR: SPB 3003, and either FIN 2100 and MAR 3023 or admission to a business major. The principles of facility and event management in sport business and their applications in professional, collegiate, and Olympic sport. Occasional.


SPA 4704 HPA-MAN 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.
SPN 1120 CAH-LANG 4(4,0)
Elementary Spanish Study Abroad: Elementary Spanish language and civilization taught in the native environment. Occasional.

SPN 3200 CAH-LANG 3(3,0)
Basic business terminology, business culture, society. Cultural visits and realia are essential components. 2340 geared towards native speakers and will complete SPN 2340 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 2201 or SPN 2440 or equivalent. Vocabulary building with systematic training in diction andintonation. Speeches and oral presentations as well as production and delivery of real-life dialogues. Fall, Spring.

SPN 3850 CAH-LANG 3(3,0)

SPN 3933 CAH-LANG 1(1,0)
Spanish Across the Curriculum: PR: SPN 2201 or C.I. Current 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, psychology, philosophy, music, business, and the sciences. Fall.

SPN 4421 CAH-LANG 3(3,0)
Advanced Spanish Composition: PR: SPN 3300, SPN 3420, SPN 3760 or 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 period 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. An overview of the current in Latin American culture and civilization from the Pre-Columbian period to the present. Conducted in Spanish. Occasional.

SPN 4780 CAH-LANG 3(3,0)
Spanish Phonetics: PR: SPN 3760, SPN 3420 and SPN 3300 or C.I. Students will learn the basic principles of Spanish pronunciation and perfect the correct pronunciation of Spanish through intensive practice and oral drill. Occasional.

SPN 4800 CAH-LANG 3(3,0)
Spanish-American Syntax: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. This course examines the Spanish language from its beginning to the present, with special emphasis as it is 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 a 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 Semiclinal Culture and Civilization: PR: Graduate status or senior standing or C.I. An overview of linguistic characteristics of Latin and its evolution into Spanish with historical development of phonetic, morphological, and syntactic properties. Occasional.

SPN 5920 CAH-LANG 3(3,0)
AP Spanish Language: PR: Graduate status or senior standing on C.I. This course is a survey of the diversity found within the Spanish language with respect to phonological constraints, morphosyntax, second language influences, and historical development. Occasional.

SPN 5825 CAH-LANG 3(3,0)
Spanish Dialectology: PR: Graduate status or senior standing or C.I. An introduction to the main concepts and methods of analysis focusing on Spanish morphology, syntax, semantics, and phonology as well as dialectology and sociolinguistics. Odd Fall.

SPN 5845 CAH-LANG 3(3,0)
History of the Spanish Language: PR: Graduate status or senior standing or C.I. An overview of linguistic characteristics of Latin and its evolution into Spanish with historical development of phonetic, morphological, and syntactic properties. Occasional.

SPT 3800 CAH-LANG 3(3,0)
Spanish Translation and Interpretation: PR: Completion of 2000 level sequence or equivalent. Introduction to translation and interpretation, practical applications of theory applied to professional written and audio texts from Spanish to English and from English to Spanish. Fall, Spring.

SPT 3805 CAH-LANG 3(3,0)
Spanish Translation and Interpretation for Mass Communication: PR: SPN 3420. Translation and interpretation in mass communication using all forms of media. Even Spring.

SPT 3806 CAH-LANG 3(3,0)
Medical Spanish Translation/Interpretation: PR: SPN 2241 and SPN 3420. The basic Spanish terminology, techniques and ethics in the field of medical translation and interpretation. Odd Fall.

SPT 3831 CAH-LANG 3(3,0)
Spanish Legal Translation and Interpretation: PR: SPN 2241 and SPN 3420. The terminology, procedures and ethics required to be a Spanish language court interpreter and translator in the legal field. May be repeated for credit. Even Fall.
Prize-Winning writers. Through readings, students will standing or C.I. Students will analyze, discuss and research Latin-American Narrative/Essay:

SPW 4364 CAH-LANG 3(3,0) Contemporary Iberian Theatre: Introduction to the topics and methods of literary and cultural analysis of works in Spanish, Portuguese, and English from Portugal, Brazil, and Spanish America. Fall.

SPW 4364 CAH-LANG 3(3,0) Latin-American Narrative/Essay: PR: SPW 3101 or C.I. Major works by leading authors of the 20th century. Texts selected are studied not only for their aesthetic value, but also in terms of their historical and cultural significance. Occasional.

SPW 4381 CAH-LANG 3(3,0) Latin-American Theatre (in English): PR: SPW 3101 or C.I. Study of Latin American drama in translation with emphasis on works of prominent women from Central America. Covers the different literary periods within Central American literary history. Taught in Spanish. Occasional.

SPW 4450 CAH-LANG 3(3,0) Spanish Literary Theory: PR: SPW 3100 and SPW 3130, or C.I. A study of textuality and textual criticism with emphasis in the theory of genre. Occasional.

SPW 4460 CAH-LANG 3(3,0) Nineteenth Century Spanish Literature: PR: SPW 3101 or C.I. A study of the representative authors and works in Spanish Romanticism, Realism, and Naturalism. Occasional.

PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Study of the major playwrights and tendencies in contemporary Iberian theatre. Fall.

SPW 4604 CAH-LANG 3(3,0) Cervantes: PR: SPW 3100 or C.I. Do Quijote. Occasional.

SPW 4720 CAH-LANG 3(3,0) The Generation of 1898: PR: SPW 3101 or C.I. A study of the generation's main authors and their works. Occasional.

SPW 4730 CAH-LANG 3(3,0) Hispanic Literature of the United States: PR: SPW 3100 or C.I. Reading and study of outstanding works written by Hispanic writers of the United States. Occasional.

SPW 4770 CAH-LANG 3(3,0) Caribbean Spanish Literature: PR: SPW 3101 or SPW 3131 or C.I. An overview of the literature of the Spanish-speaking Caribbean countries from colonial times to the present. Occasional.

SPW 5741 CAH-LANG 3(3,0) Contemporary Spanish American Southern Cone Literature: PR: Enrolled in Spanish M.A. Program or C.I. Regional as well as international literary cultures and disciplines in southern cone literature. Occasional.

STA 3032 ECS-IEMS 3(3,0) Probability and Statistics for Engineers: PR: MAC 2312. Axions of probability; combinatorial and geometrical probability; probability distributions; measures of location and dispersion; sampling and sampling distributions; estimation and tests of hypotheses; engineering applications. Fall, Spring.

STA 5776 ED-TL&L 3(3,0) Democracy and Education: PR: Graduate standing or C.I. Explores the intersection of theory and practice with regard to promoting democratic life in schools. Will examine competing theories of democracy and education, investigate problem areas in schools related to democracy, and consider examples of practice. Fall.
3032. Statistical concepts and methods applied to the con-
avor and collective risk models for short terms and for ex-
tended association, logistic regression and log linear models.

STA 4504 COS-STAT 3(3,0)
Categorical Data Analysis: STA 4163. A continuation of
STA 4163, including further study of regression, analysis of
variance and covariation and multiple comparisons. Fall, Spring.

STA 4164 COS-STAT 3(3,0)
Statistical Method II: PR: STA 4163 or STA 3032. 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 4173 COS-STAT 3(3,0)
Biostatistical Methods: CR: STA 4163 or C.I. Applied
statistical methods and tools applied to problems in
medical, biological, and health sciences. Occasional.

STA 4183 COS-STAT 3(3,0)
Theory of Interest: PR: MAC 2312 (or equivalent) and
STA 2023. Measurement of simple and compound interests,
accumulated and present values factors. Annuities certain,
yield rates, amortization schedules and sinking funds.
Bonds, securities and related funds. Fall.

STA 4184 COS-STAT 3(3,0)
Introduction to Derivative Markets: PR: STA 4183 or C.I.
Cash flow and profit for simple options and forwards.
Strategy, Black-Scholes option pricing, simple swaps, portfolio management with derivatives, dura-
tion analysis, callable bonds. Spring.

STA 4186 COS-STAT 3(3,0)
Theory of Derivative Pricing: PR: STA 4184 or C.I.
Assumptions of derivative pricing, put-call parity, britional
model making, data hedging, exotic options, distrib-
utions, Monte Carlo distributions, Brownian motion, interest
rate models. Spring.

STA 4187 COS-STAT 3(3,0)
Theory of Graduation: PR: STA 4322. Graduation,
moving weighted averages methods, Whittaker-Henderson,
Bayesian parameter methods, smooth-junction formula,
graduation of selected data. Occasional.

STA 4222 COS-STAT 3(3,0)
Sample Survey Methods: PR: STA 2023 or STA 3032.
Constructing and analyzing survey designs. Sampling
and nonsampling errors. Simple random, stratified, sys-
tematic, and multiphase sampling. Methods of estimation.
Occasional.

STA 4321 COS-STAT 3(3,0)
Statistical Theory I: PR: STA 2023 or STA 3032;
CR: MAC 2313. Probability axioms, discrete and continu-
ous random variables, conditional probability, independence,
one-dimensional random variables, moment generating
functions, transformations, jointly distributed random vari-
tables. Fall.

STA 4322 COS-STAT 3(3,0)
Statistical Theory II: PR: STA 4321. Conditional proba-
bility, sums of random variables, Chebyshev's inequality,
central limit theorem, method of movements, maximun
likelihood, confidence intervals, hypothesis testing, transfor-
mations of two random variables. Spring.

STA 4502 COS-STAT 3(3,0)
Nonparametric Statistical Methods: PR: STA
2023 or STA 3032. Distribution-free tests on location and
dispersion, goodness of fit tests, tests of independence,
measures of association, nonparametric analysis of vari-
ance. Occasional.

STA 4504 COS-STAT 3(3,0)
Categorical Data Analysis: PR: STA 4163. Two-
way and three-way contingency tables, odds ratios, partial
association, logistic regression and log linear models.
Occasional.

STA 4641 COS-STAT 3(3,0)
Risk Theory and Decision: PR: STA 4322. Individual
and collective risk models for short terms and for extended
periods, applications of risk theory to actuarial problems.
Risk factors and their financial effects. Occasional.

STA 4664 COS-STAT 3(3,0)
Statistical Quality Control: PR: STA 2023 or STA
3032. Statistical concepts and methods applied to the con-
trol of quality of manufactured products. Occasional.

STA 4672 COS-STAT 3(3,0)
Actuarial Statistical Methods: PR: STA 2023 and
STA 4163. Risk assessment and series analysis of insurance
and financial data. Occasional.

STA 4675 COS-STAT 3(3,0)
Demographic Statistics: PR: STA 4322. Measures of
mortality, fertility and morbidity. Construction methods
of life tables from census data, population projection
techniques, and stationarity of demographic popula-
tions. Occasional.

STA 4676 COS-STAT 3(3,0)
Life Testing Analysis: PR: STA 4322. Models of survival
analysis including random and non-random censor-

STA 4852 COS-STAT 3(3,0)
Applied Time Series: PR: STA 4163. Forecasting
methods, time series analysis, stationary and nonstation-
ary time series, ARIMA models, forecasting processes.
Occasional.

STA 4939 COS-STAT 3(3,0)
Problems in Actuarial Science: PR: STA 4322.
Fundamental mathematical and statistical tools for quantita-
tively 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 4163 or STA 6185.
Discussion and presentation by actuarial practitioners.
Occasional.

STA 5085 COS-STAT 3(3,0)
Analytical Reasoning: PR: Graduate standing.
Concepts in probability and statistics through case studies.
Seminar and telecommunications format. Analytical/logical
thinking in context. Occasional.

STA 5103 COS-STAT 3(3,0)
Advanced Computer Processing of Statistical Data:
PR: STA 4163 and knowledge of a programming language,
graduate status or senior standing, or C.I. Use of
SAS and other statistical software packages; data manipu-
lation; graphical data presentation; data analysis; creating
analytical reports. Fall.

STA 5139 COS-STAT 3(3,0)
Credibility Theory and Loss Distribution: PR:
STA 4322, graduate status or senior standing, or C.I.
Full and partial credibility. The credibility premium.
Expected value of credibility. Parametric and nonparametric
estimation of credibility. Loss models for claim severities and frequencies.
Aggregate claims models. Fall.

STA 5175 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)
Experimental Design: PR: STA 4164, STA 5206 or
STA 4322; graduate status or senior standing, or C.I.
Construction and analysis of designs for experimental inves-
tigations. Blocking, randomization, replication; Incomplete
blocks; 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 of hypotheses; analysis of variance, covar-
iance, and multiple comparisons; regression and nonpara-
metric methods. Fall.
### Social Movements and Revolutions: SYP 4304 COS-SOC 3(3,0)
An emergent process that involves collective definitions and change, motivation, and decision-making in small groups as affected by social interaction and social processes. Occasional.

### Sociological Social Psychology: SYP 4521 COS-SOC 3(3,0)
Patterns of Violence in Society: Occasional.

### Sports and Society: SYP 3650 COS-SOC 3(3,0)
UCF Courses and Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>SYP 5738</td>
<td>Seminar on the Welfare State and Aging</td>
<td>3(3,0)</td>
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<td>PR: Graduate standing or C.I.</td>
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<td>TAX 4001</td>
<td>BA-ACCT</td>
<td>3(3,0)</td>
<td>Taxation of Business Entities and Transactions</td>
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<td></td>
<td>PR: Junior standing plus completion of AGC 3131 with a grade of &quot;C&quot; or higher. Federal income tax laws affecting taxation of business entities and transactions. Fall, Spring.</td>
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<tr>
<td>TAX 5015</td>
<td>BA-ACCT</td>
<td>3(3,0)</td>
<td>Advanced Tax Topics: PR: Graduate standing and TAX 4001. Advanced tax issues affecting business entities and their owners, with a primary focus on corporations and partnerships. Occasional.</td>
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<tr>
<td>THE 2000</td>
<td>CAH-THEA</td>
<td>3(3,0)</td>
<td>Theatre Survey: Overview of the art and craft of the theatre. Restricted to non majors. Fall, Spring.</td>
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<td>THE 2025</td>
<td>CAH-THEA</td>
<td>3(3,0)</td>
<td>Introduction to Theatre Design: PR: C (2.0) in THE 3000 or THE 2020 and TPA 2201. Basic design elements and the collaborative process introduced as practical tools for theatre production. Not allowed for Design and Technology or Stage Management majors. Occasional.</td>
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<td>THE 2250</td>
<td>CAH-THEA</td>
<td>3(3,0)</td>
<td>Theatre Studies in Creative Drama: PR: Theatre major or minor. Techniques and theories for facilitating creative drama with youth, both an art form and teaching tool. Occasional.</td>
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<td>THE 2304</td>
<td>CAH-THEA</td>
<td>3(3,0)</td>
<td>Script Analysis: PR: Theatre major or minor. Exposition of dramatic form with focus on playscripts for productions. Fall, Spring.</td>
</tr>
</tbody>
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<tr>
<th>Course Code</th>
<th>Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>THE 2925L</td>
<td>CAH-THEA</td>
<td>0(0,VAR)</td>
<td>Theatre Participation: PR: Theatre major or minor. Participation in UCF Theatre productions. May be used in the degree program a maximum of 6 times. Fall, Spring.</td>
</tr>
</tbody>
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</thead>
<tbody>
<tr>
<td>THE 3311</td>
<td>CAH-THEA</td>
<td>3(3,0)</td>
<td>Theatre History and Dramatic Literature I: PR: Theatre major or minor, &quot;C&quot; (2.0) or better in THE 2004 and Sophomore standing. Theatre history and drama from the Greeks to the Renaissance. Fall.</td>
</tr>
</tbody>
</table>

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<th>Course Code</th>
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<th>Units</th>
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</thead>
<tbody>
<tr>
<td>THE 3312</td>
<td>CAH-THEA</td>
<td>3(3,0)</td>
<td>Theatre History and Dramatic Literature II: PR: Theatre major or minor, &quot;C&quot; (2.0) or better in THE 3311 and Sophomore standing. Theatre history and drama from French neo-classicism to modern realism. Spring.</td>
</tr>
</tbody>
</table>

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</thead>
<tbody>
<tr>
<td>THE 3331</td>
<td>CAH-THEA</td>
<td>3(3,0)</td>
<td>Theatre History and Dramatic Literature III: PR: Theatre major or minor, &quot;C&quot; (2.0) or better in THE 3312 and Junior standing. Theatre history and drama from modern realism to present. Fall.</td>
</tr>
</tbody>
</table>

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<th>Course Code</th>
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<th>Units</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>THE 3333</td>
<td>CAH-THEA</td>
<td>3(3,0)</td>
<td>Shakespeare Studies: Grade of C (2.0) or better in THE 2020 or THE 2000. Study of Shakespeare's heightened language, scansion, and text from a theatrical point of view. Course not intended for BFA Theatre Acting Majors. Occasional.</td>
</tr>
</tbody>
</table>

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<th>Course Code</th>
<th>Title</th>
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<th>Description</th>
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</thead>
<tbody>
<tr>
<td>THE 4212</td>
<td>CAH-THEA</td>
<td>3(3,0)</td>
<td>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.</td>
</tr>
</tbody>
</table>

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<th>Course Code</th>
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<th>Units</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>THE 4230</td>
<td>CAH-THEA</td>
<td>3(3,0)</td>
<td>Cultural Diversity in Theatre: PR: &quot;C&quot; (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.</td>
</tr>
</tbody>
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<th>Course Code</th>
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<th>Description</th>
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<tbody>
<tr>
<td>THE 4244</td>
<td>CAH-THEA</td>
<td>3(3,0)</td>
<td>Musical Theatre History I: PR: B.F.A. Musical Theatre major, &quot;C&quot; (2.0) or better required in THE 2000 and THE 2000. Origins and evolution of Musical Theatre from the Ancient Greeks through the 1560s. Fall.</td>
</tr>
</tbody>
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<th>Course Code</th>
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<th>Units</th>
<th>Description</th>
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<tbody>
<tr>
<td>THE 4245</td>
<td>CAH-THEA</td>
<td>3(3,0)</td>
<td>Musical Theatre History II: PR: B.F.A. Musical Theatre major, &quot;C&quot; (2.0) or better required in THE 4244. Origins and evolution of Musical Theatre from the 1950s through the present. Spring.</td>
</tr>
</tbody>
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<th>Course Code</th>
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<th>Units</th>
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</tr>
</thead>
<tbody>
<tr>
<td>THE 4284</td>
<td>CAH-THEA</td>
<td>3(3,0)</td>
<td>Period Costume, Architecture, and Decor I: PR: &quot;C&quot; (2.0) or better in TPA 2000C and THE 3312. Costumes, furniture and decor from antiquity to the High Renaissance. Fall.</td>
</tr>
</tbody>
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<tr>
<td>THE 4285</td>
<td>CAH-THEA</td>
<td>3(3,0)</td>
<td>Period Costume, Architecture, and Decor III: PR: &quot;C&quot; (2.0) or better in TPA 2000C and THE 3312. Costumes, furniture and decor from the English Renaissance to the present. Occasional.</td>
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<th>Course Code</th>
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<tr>
<td>THE 4423</td>
<td>CAH-THEA</td>
<td>3(3,0)</td>
<td>Women in Theatre: PR: Grade of C (2.0) or better in ENC 1101. An overview of women’s contributions to theatre. Occasional.</td>
</tr>
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<tr>
<td>THE 4543</td>
<td>CAH-THEA</td>
<td>3(3,0)</td>
<td>Theatre for Social Change: PR: Grade of C (2.0) or better in ENC 1101. Theatre activist’s impact on theatrical art forms. Occasional.</td>
</tr>
</tbody>
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<tr>
<th>Course Code</th>
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</table>
TPA 4264C CAH-THEA 3(2,2)  
Sound Design for Theatre II: PR: "C" (2.0) or better in TPA 2260C. Project sound design work with an emphasis on design communication and professional standards and practices. Occasional.

TPA 4293L CAH-THEA 1(0,VAR)  
Theatre Participation-Production II: PR: "C" (2.0) or better in TPA 2293L. Participation in UCF Theatre Productions. Participation in the degree program a maximum of 8 times. Fall, Spring. M&S fee $15.00

TPA 4384C CAH-THEA 3(3,4)  
Advanced Topics in Technical Theatre: PR: C (2.0) in TPA 2210 and TPA 2211. Variable topics which may include Technical Direction or other advanced topics. May be used in the degree program a maximum of 4 times. Occasional. M&S fee $35.00

TPA 4400 CAH-THEA 3(3,0)  
Theatre Management: PR: "C" (2.0) or better in THE 2000 or THE 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.

TPA 4401C CAH-THEA 3(2,2)  
Theatre Careers in Production: PR: B.F.A. Design/Technology major, Junior standing. Techniques to secure employment in technical theatre, design, and stage management. Spring.

TPA 4602 CAH-THEA 3(3,0)  
Advanced Stage Management: PR: B.F.A. Stage Management major, C (2.0) or better required in TPA 3651. Skills necessary for stage managers in contemporary entertainment. Fall.

TPA 5029C CAH-THEA 3(2,2)  
Lighting Design Studio: PR: TPA 5042C and TPA 5052C. Advanced work in the process of designing light for the stage with an emphasis on the use of light as an artistic expression. Occasional.

TPA 5042C CAH-THEA 3(2,2)  
Costume Design Studio: PR: Admission to the graduate program in Theatre or C.I. Project oriented course in the advance study of Costume Design. Occasional.

TPA 5062C CAH-THEA 3(2,2)  
Scene Design Studio: PR: Graduate status or C.I. Advanced work in the conceptualization and communication of scenic design. Application for the degree program a maximum of 8 times. Spring.

TPA 5081C CAH-THEA 3(3,3)  
Design Concepts for Youth Theatre: PR: Admission to the graduate program in Theatre or C.I. A study of design elements (lighting, costume, set) as they apply to youth theatre. Odd Spring.

TPA 5085C CAH-THEA 2(2,2)  

TPA 5095C CAH-THEA 1(1,1)  
Rendering for Theatre I: PR: Admission to the graduate program in Theatre or C.I. Traditional visual communication skills necessary for scenic, costume, and lighting design. Fall.

TPA 5175C CAH-THEA 1(1,1)  

TPA 5345C CAH-THEA 2(2,2)  
2D Computer Assisted Design for Theatre: PR: Admission into the Theatre MFA Design track. Two-dimensional computer drafting and editing techniques applicable to theatre design. Occasional.

TPA 5346C CAH-THEA 2(2,2)  
3D Modeling for Theatre: PR: TPA 5345C. Three-dimensional computer modeling and editing techniques applicable for theatre design. Occasional.
TPP 4221 CAH-THEA 3(3,0)
Auditioning: PR: "C" (2.0) or better in TPP 2710C. Selecting styles, auditioning techniques and cold readings. Spring.

TPP 4233 CAH-THEA 3(2,2)
Theatre Careers for Performance: PR: B.F.A. Acting and Musical Theatre major, Junior standing. Techniques needed to secure employment in performance or related fields. Spring.

TPP 4243 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)
The Art of Storytelling: PR: Theatre major or minor; "C" (2.0) or better in TPP 2101 or TPP 2110C and THE 2000 or THE 2020. Application of theatrical storytelling as an art form. Occasional.

TPP 4253 CAH-THEA 3(2,2)
Musical Theatre Acting III: PR: B.F.A. Musical Theatre major, and a "C" (2.0) or better in TPP 3252 and TPP 3290C. Advanced work in character-person construction and performance with an emphasis on show preparation. Occasional.

TPP 4259 CAH-THEA 2(2,2)
Musical Theatre Voice III: PR: "C" (2.0) or better in TPP 3290C. Advanced study of dialects and regionalisms, reinforcing the study of phonetics, placement, and vocal apparatus. Occasional.

TPP 4265 CAH-THEA 3(3,2)
Stage Voice I: PR: Admission to the MFA Program and completion of an audition. Introduction to stage voice. Spring.

TPP 4270 CAH-THEA 2(2,2)
Music Theatre Voice V: PR: "C" (2.0) or better in TPP 4205C. Advanced diagnosis and development of the singing voice and its application to musical theatre performance. Individualized instruction. Spring.

TPP 4271C CAH-THEA 2(2,2)
Advanced Directing for Theatre: PR: "B" (3.0) or better grade in TPP 3310C. Practical experience directing class scenes and projects. Fall.

TPP 4311C CAH-THEA 3(2,2)
Advanced Directing for Theatre: PR: "B" (3.0) or better grade in TPP 3310C. Practical experience directing class scenes and projects. Fall.

TPP 4512C CAH-THEA 2(2,2)
Stage Combat: PR: B.F.A. 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 4513C CAH-THEA 2(2,1)
Period Movement: PR: Grade of C (2.0) or better required in TPP 3712C. Continuation of Movement/Dance work. Emphasis given to period styles. Fall.

TPP 4730C CAH-THEA 2(2,1)
Dialects: PR: Grade of "C" (2.0) or better required in TPP 3711C. Analysis of dialects and regionalism, reinforcing the study of phonetics, placement, and vocal apparatus. Occasional.

TPP 4746C CAH-THEA 2(2,2)
Musical Theatre Repertoire: PR: Theatre major and grade of "C" (2.0) or better in TPP 3267C. Advanced musical theatre repertoire study in preparation for professional auditions. May be used in the degree program a maximum of 6 times. Occasional.
<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Credits</th>
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<tbody>
<tr>
<td>TSL 5601</td>
<td>CAH-LANG: Second Language Vocabulary Learning</td>
<td>3(3,0)</td>
<td>PR: Graduate status or senior standing or C.I. Considers lexical issues encountered by second language learners; explores best practices for learners and their teachers and examines current research for pedagogical application. Occasional.</td>
</tr>
<tr>
<td>TSL 5940</td>
<td>CAH-LANG: Issues in TEFL</td>
<td>3(3,0)</td>
<td>PR: Graduate status or senior standing or C.I. Addresses issues specifically related to TEFL, such as materials adaptation, teaching in multi-level classrooms, learning styles, cultural issues, and curriculum syllabus design.</td>
</tr>
<tr>
<td>TTE 4004</td>
<td>ECS-CECE: Transportation Engineering</td>
<td>4(4,0)</td>
<td>PR: TTE 3810 with a grade of C (2.0) or better. Three functional classifications are covered: planning, design and operation of transportation facilities. Emphasis is on the highway transportation mode. Fall, Spring.</td>
</tr>
<tr>
<td>TTE 4274</td>
<td>ECS-CECE: Transportation System Designing</td>
<td>3(3,0)</td>
<td>PR: STA 3032 with a grade of C (2.0) or better. Topics such as safety, Intelligent Transportation Systems, and airport transportation will be covered. Fall, Spring.</td>
</tr>
<tr>
<td>TTE 4601C</td>
<td>ECS-CECE: Urban Systems Design</td>
<td>2(2,2)</td>
<td>PR: TTE 3810 with a grade of C (2.0) or better and department consent. Project design course covering principles/techniques of planning, traffic analysis, and highway design. Including projecting traffic volumes, laying out design of alignments/intersections. Occasional. M&amp;S fee $25.00</td>
</tr>
<tr>
<td>TTE 5204</td>
<td>ECS-CECE: Traffic Engineering</td>
<td>3(3,0)</td>
<td>PR: TTE 4004. Study of operator and vehicle characteristics, and design for street capacity, signs, signals, and markings. Occasional.</td>
</tr>
<tr>
<td>TTE 5700</td>
<td>ECS-CECE: Railroad Engineering</td>
<td>3(3,0)</td>
<td>PR: TTE 4004 and C.I. The major technical factors in location, construction, maintenance, and operation of railroad transportation systems. Occasional.</td>
</tr>
<tr>
<td>TTE 5805</td>
<td>ECS-CECE: Geometric Design of Transportation Systems</td>
<td>3(3,0)</td>
<td>PR: TTE 4004 or C.I. Study of highway geometric design in the engineering of transportation systems. Occasional.</td>
</tr>
<tr>
<td>TTE 5835</td>
<td>ECS-CECE: Pavement Design</td>
<td>3(3,0)</td>
<td>PR: CEG 4011C. Pavement types, wheel loads, stresses in pavement components; design factors such as traffic configurations, environment, and economy. Occasional.</td>
</tr>
<tr>
<td>VIC 3001</td>
<td>COS-COMM: Visual Communication</td>
<td>3(3,0)</td>
<td>PR: SPC 1608 or SPC 1602 or COM 1000. A study of human visual systems and influences of visual media on modern society. Fall, Spring.</td>
</tr>
<tr>
<td>WOH 2012</td>
<td>CAH-HIST: World Civilization I</td>
<td>3(3,0)</td>
<td>PR: CEG 4011C. Pavement types, wheel loads, stresses in pavement components; design factors such as traffic configurations, environment, and economy. Occasional.</td>
</tr>
<tr>
<td>WOH 2012H</td>
<td>CAH-HIST: World Civilization I - Honors</td>
<td>3(3,0)</td>
<td>PR: Permission of Honors. The rise and decline of world civilizations from the first attempts to the great civilizations of medieval times. Fall, Spring.</td>
</tr>
<tr>
<td>WOH 2022</td>
<td>CAH-HIST: World Civilization II</td>
<td>3(3,0)</td>
<td>PR: Permission of Honors. The rise and decline of world civilizations from the first attempts to the great civilizations of medieval times. Fall, Spring.</td>
</tr>
<tr>
<td>WOH 2022H</td>
<td>CAH-HIST: World Civilization II - Honors</td>
<td>3(3,0)</td>
<td>PR: Permission of Honors. The rise and decline of world civilizations from the first attempts to the great civilizations of medieval times. Fall, Spring.</td>
</tr>
<tr>
<td>WST 3015</td>
<td>CAH-WOM: Introduction to Women's Studies</td>
<td>3(3,0)</td>
<td>PR: ENC 1102 or C.I. A research-oriented course introducing students to key issues and problems regarding women and gender relations in past and present societies. Fall, Spring.</td>
</tr>
<tr>
<td>WST 3015H</td>
<td>CAH-WOM: Honors Introduction to Women's Studies</td>
<td>3(3,0)</td>
<td>PR: ENC 1102 and Consent of Honors. Focus on women and gender in a transnational context. With Honors consent. Even Spring.</td>
</tr>
<tr>
<td>WST 3020</td>
<td>CAH-WOM: Girls' Studies</td>
<td>3(3,0)</td>
<td>PR: ENC 1102. Girls' Studies, an emerging field within Women's Studies, focuses on the material experiences of girls in U.S. and global cultures using academic and popular texts. Occasional.</td>
</tr>
<tr>
<td>WST 3371</td>
<td>CAH-WOM: Women and Leadership</td>
<td>3(3,0)</td>
<td>PR: ENC 1102. Interdisciplinary, feminist perspectives on women and leadership, examining issues such as gender differences in leadership, obstacles faced by women leaders, and learning from women leaders. Occasional.</td>
</tr>
<tr>
<td>WST 3460</td>
<td>CAH-WOM: Women, Race and Struggle</td>
<td>3(3,0)</td>
<td>PR: ENC 1102 or C.I. Interdisciplinary study of issues, perspectives, and scholarship by and about women of color. Occasional.</td>
</tr>
<tr>
<td>WST 3460H</td>
<td>CAH-WOM: Honors Women, Race and Struggle</td>
<td>3(3,0)</td>
<td>PR: Consent of Honors. Interdisciplinary study of issues, perspectives, and scholarship by and about women of color. With Honors consent. Occasional.</td>
</tr>
<tr>
<td>WST 3500</td>
<td>CAH-WOM: Gender Issues and Community Activism</td>
<td>3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>WST 3522</td>
<td>CAH-WOM: First and Second Wave Feminisms</td>
<td>3(3,0)</td>
<td>PR: ENC 1102. History of Western feminist thought, from the late eighteenth century to the 1950s, through texts by First and Second Wave Feminists. Occasional.</td>
</tr>
<tr>
<td>WST 3561</td>
<td>CAH-WOM: Third Wave Feminisms</td>
<td>3(3,0)</td>
<td>PR: WST 3015. Third wave feminist theories and practices with an activist focus. Even Spring.</td>
</tr>
<tr>
<td>WST 3621</td>
<td>CAH-WOM: Theories of Masculinity</td>
<td>3(3,0)</td>
<td>PR: ENC 1102. Masculinity from feminist perspectives, examining issues of race, class, sexuality, and violence, as well as constructions of masculinity in sports, family, and other institutions. Occasional.</td>
</tr>
<tr>
<td>WST 4002</td>
<td>CAH-WOM: Research in Women and Gender</td>
<td>3(3,0)</td>
<td>PR: WST 3015 or C.I. Examination of scholars and research in a variety of areas pertaining to the study of women and gender relations. Occasional.</td>
</tr>
<tr>
<td>WST 4023</td>
<td>CAH-WOM: Virtual Girls</td>
<td>3(3,0)</td>
<td>PR: ENC 1102 and WST 3020. Feminist theory and practice applied in an examination of the role of technology in the lives of young girls. Service learning component. Occasional.</td>
</tr>
<tr>
<td>WST 4349</td>
<td>CAH-WOM: Ecofeminism</td>
<td>3(3,0)</td>
<td>PR: ENC 1102 and WST 3015. Connections between femininity and the environment. Occasional.</td>
</tr>
<tr>
<td>WST 4415</td>
<td>CAH-WOM: Global and Transnational Feminism</td>
<td>3(3,0)</td>
<td>PR: ENC 1102 and WST 3015. Feminist theory from a global, multicultural perspective, combined with global feminist activism. Service learning component. Occasional.</td>
</tr>
<tr>
<td>WST 5347</td>
<td>CAH-WOM: Research Seminar in Gender Studies</td>
<td>3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>WST 5601</td>
<td>CAH-WOM: Theories in Gender Studies</td>
<td>3(3,0)</td>
<td>PR: Graduate standing or C.I. Study of Gender Studies graduate certificate standing, or C.I. Fundamental scholarship in gender studies, with emphasis on theoretical and interdisciplinary approaches to gender and sexuality. Even Fall.</td>
</tr>
<tr>
<td>ZOO 3701C</td>
<td>COS-BIOL: Human Gross Anatomy &amp; Dissection Techniques</td>
<td>3(1,4)</td>
<td>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&amp;S fee $70.00</td>
</tr>
<tr>
<td>ZOO 3713C</td>
<td>COS-BIOL: Comparative Vertebrate Anatomy</td>
<td>3(3,6)</td>
<td>PR: ENC 1102 or C.I. 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&amp;S fee $85.00</td>
</tr>
<tr>
<td>ZOO 3733C</td>
<td>COS-BIOL: Human Anatomy</td>
<td>3(4,3)</td>
<td>PR: BSC 2010C or equivalent. Structure of the human body. Fall, Spring. M&amp;S fee $15.00                                                                 موشن</td>
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<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Credits</td>
<td>Prerequisites</td>
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<tr>
<td>ZOO 4603C</td>
<td>Embryology/Development</td>
<td>5(3,4)</td>
<td>PCB 3063 and PCB 3523 or C.I. Concepts of developmental processes</td>
</tr>
<tr>
<td>ZOO 4605</td>
<td>Human Clinical Embryology and Congenital Malformation</td>
<td>3(3,0)</td>
<td>ZOO 3733C</td>
</tr>
<tr>
<td>ZOO 4704C</td>
<td>Clinical Neuroanatomy and Neuroscience</td>
<td>4(3,1)</td>
<td>ZOO 3733C with a B (3.0) or better</td>
</tr>
<tr>
<td>ZOO 4704H</td>
<td>Honors Clinical Neuroanatomy</td>
<td>4(3,2)</td>
<td>ZOO 3733C and Honors consent</td>
</tr>
<tr>
<td>ZOO 4747C</td>
<td>Clinical Neuroscience</td>
<td>4(3,1)</td>
<td>ZOO 3744 or ZOO 4704C</td>
</tr>
<tr>
<td>ZOO 4747H</td>
<td>Clinical Neuroscience Honors</td>
<td>4(3,1)</td>
<td>ZOO 3744 or ZOO 4704C and consent of Honors</td>
</tr>
<tr>
<td>ZOO 4753C</td>
<td>Vertebrate Histology</td>
<td>4(3,3)</td>
<td>ZOO 3733C</td>
</tr>
<tr>
<td>ZOO 5456C</td>
<td>Ichthyology</td>
<td>4(2,6)</td>
<td>Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I.</td>
</tr>
<tr>
<td>ZOO 5463C</td>
<td>Herpetology</td>
<td>4(2,4)</td>
<td>Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I.</td>
</tr>
<tr>
<td>ZOO 5475L</td>
<td>Field Ornithology</td>
<td>3(0,6)</td>
<td>Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I.</td>
</tr>
<tr>
<td>ZOO 5486C</td>
<td>Mammalogy</td>
<td>4(4,0)</td>
<td>Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I.</td>
</tr>
<tr>
<td>ZOO 5745C</td>
<td>Essentials of Neuroanatomy</td>
<td>4(3,3)</td>
<td>Human/Comparative Anatomy, or Human/Animal Physiology or C.I.</td>
</tr>
<tr>
<td>ZOO 5748C</td>
<td>Clinical Neuroanatomy</td>
<td>5(3,2)</td>
<td>ZOO 3733C Human Anatomy</td>
</tr>
<tr>
<td>ZOO 5749C</td>
<td>Clinical Neuroscience</td>
<td>5(3,2)</td>
<td>ZOO 3733C and ZOO 3744, or ZOO 3733C and ZOO 4704C or ZOO 5748C, or equivalents</td>
</tr>
<tr>
<td>ZOO 5881C</td>
<td>Fisheries Management</td>
<td>4(3,4)</td>
<td>ZOO 4310C, graduate status or senior standing, or C.I. Fisheries management of freshwater environments to include identification, sampling methods, farming and hatchery operations, propagation and population estimates. Occasional. M&amp;S fee $20.00</td>
</tr>
</tbody>
</table>
The date indicates the first year of employment at the University of Central Florida.

ABBAS, HADI, Associate Professor of Art (1995), B.F.A., M.F.A. (Whitake 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)

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ADAMS, JOANNE, Visiting Instructor of Digital Media (2008), B.F.A. M.F.A (University of Florida)

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)

AHLM, AL-RAWI, Visiting Professor of Physics (2010), Ph.D. (Kansas State University)

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AKITA, KIMIKO, Associate Professor of Communication (2005), B.A., M.A., Ph.D. (Ohio University)

AL-DEEK, HAITHAM, Professor of Engineering (1992), B.C.E., M.S., Ph.D. (University of California at Berkeley), P.E. (Florida)

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ALDERMAN, BARBARA, Assistant Librarian (2002), B.A. M.S. (Florida State University)

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ALMEIDA, JOHN A., Associate Professor of Music (1997), B.M., M.A. (Appalachian State University)

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AMBROSE, MAUREEN L., Professor of Management (1999), B.A., A.M., Ph.D. (University of Illinois at Urbana-Champaign)

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CAPURSI, MARIA G., Assistant Librarian (1993), B.A., M.A., Ph.D. (Rice University)
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CARUANA, RALPH, Associate Dean for Clinical Affairs, Chair of Clinical Sciences and Professor of Internal Medicine (2010), M.D. (Tufts University)
CASE, LYN, Head, Cataloging Service and Assistant Librarian (2000), B.A., M.L.I.S. (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., Chair and Professor of Psychology (2007), M.A., Ph.D. (University of Florida)
CATBAS, NECATI, Associate Professor of Engineering, Associate Chair (2003), B.S.C.E., M.S.E., Ph.D. (Cornell University)
CATO, FARIDA M., Instructor of Writing & Rhetoric (2003), B.A., M.A. (University of Central Florida)
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CHAKRABARTI, DEBOPAM, Professor of Molecular Biology and Microbiology (1995), Ph.D. (University of Calcutta-Bose Institute)
CHAKRABARTI, RATNA, Associate Professor of Molecular Biology and Microbiology (1996), Ph.D. (University of Calcutta)
CHAN, SIC LUNG, Assistant Professor (2005), Ph.D. (McGill University)
CHANDLER, MICHAEL, Colonel, USAF, Professor of Aerospace Studies (2009), B.S., M.S. (National War College)
CHANDLER, ROBERT C, Director and Professor of Communication (2008), B.A., M.A., Ph.D. (University of Kansas)
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CHARBA, JULIUS, Associate Professor (1969), Ph.D. (Washington State University)
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CLARK, JAMES, Instructor of History (1966), B.A., M.A., Ph.D. (University of Florida)
CLARK, M. H., Instructor and Coordinator (2010), B.A., M.S., Ph.D. (University of Memphis)
CLARKE, THOMAS L., Associate Professor of Mathematics (2001), B.S., M.S., Ph.D. (University of Miami)
CLAUSEN, CHRISTIAN A., III, Professor of Chemistry (1969), B.S., Ph.D. (Louisiana State University)
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CLEAVER, DEAN J., Lecturer of Management (2007), B.B.A., M.B.A., Ph.D. (University of Mississippi)
CLEMENTS, TAYLOR, Visiting Instructor (2004), B.A., M.A. (University of Florida)
COELLA, ROBERT, Senior Training NCO (2008)
COFFEY, KEVIN, Associate Professor of Engineering (2002), B.A., B.S., M.S., Ph.D (MIT)
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COLE, ALEXANDER, Associate Professor (2003), Ph.D. (University of Medicine and Dentistry of New Jersey)
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ELSHEIMER, SETH R., Professor of Chemistry (2008), B.A., M.S., Ph.D. (University of Florida)

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<td>Instructor of Communication Sciences and Disorders</td>
<td>(2001), B.A., M.A., Ph.D. (Indiana University)</td>
</tr>
<tr>
<td>WHITNEY, PREMILA</td>
<td>Instructor</td>
<td>(2010), B.S., M.A. (Webster University)</td>
</tr>
<tr>
<td>WHITTEN, SHANNON N.</td>
<td>Lecturer of Psychology</td>
<td>(2003), B.A., M.S., Ph.D. (University of Memphis)</td>
</tr>
<tr>
<td>WHITE, ANN MARIE</td>
<td>Associate Professor of Finance</td>
<td>(1998), B.B.A., M.B.A., Ph.D. (Florida Atlantic University)</td>
</tr>
</tbody>
</table>

### Other Faculty Members

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Institution and Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>WELKER, PATRICIA E.</td>
<td>Instructor of Health Sciences</td>
<td>(1986), A.S., B.S., M.A. (Idaho State University)</td>
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<tr>
<td>WIEMCHUK, GEORGE</td>
<td>Associate Professor of Music</td>
<td>(1998), D.M.A. (University of Miami)</td>
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<tr>
<td>WEST, LAWRENCE</td>
<td>Assistant Professor of Management</td>
<td>(1996), B.A., M.B.A., Ph.D. (Texas A&amp;M University)</td>
</tr>
<tr>
<td>WHITE, ROEANN S.</td>
<td>Associate Director of Burnett School of Biomedical Sciences, Professor Emeritus</td>
<td>(1989), Ph.D. (University of Texas S.W. Medical School)</td>
</tr>
<tr>
<td>WHITE, VIBERT L.</td>
<td>Associate Professor of History</td>
<td>(2003), B.A., M.A., Ph.D. (Ohio State University)</td>
</tr>
<tr>
<td>WHITESIDE, JANET</td>
<td>Instructor of Communication Sciences and Disorders</td>
<td>(2001), B.A., M.A., Ph.D. (Indiana University)</td>
</tr>
</tbody>
</table>

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**University of Central Florida**

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FACULTY AND ADMINISTRATION EMERITI

ABBOTT, DAVID W., Professor Emeritus of Psychology (1966), B.A., M.S., Ph.D. (University of Massachusetts)

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ANDERSON, HENRY, R., Professor Emeritus of Accounting (1983), B.A., M.S., Ph.D. (University of Missouri-Columbia)

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BANDY, DALTON D., Chairholder, C.G. Avery Professorship, and Professor Emeritus of Accounting (1985), B.S., M.B.A., Ph.D. (University of Texas at Austin)

BARNES, BETH, Vice President Emerita, Office of the President, and Associate Professor of English (1968), B.A., M.A., Ph.D. (University of North Carolina at Chapel Hill)

BARSCHE, KARL-HEINRICH, Associate Professor Emeritus of French (1977), B.A., M.A., Ph.D. (University of Colorado)

BASS, MICHAEL, Professor Emeritus of Optics (1998), B.S., M.S., Ph.D. (University of Michigan)

BAUMBACH, DONNA J., Professor Emeritus of Education (1976), B.S., M.S., Ed.D. (Indiana University)

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BLEDSOE, ROBERT L., Professor Emeritus of Political Science (1968), B.A., M.A., Ph.D. (University of Florida)

BLOCK, DAVID L., Director Emeritus, Florida Solar Energy Center and Professor Emeritus of Engineering (1968), B.S., M.S., Ph.D. (Virginia Polytechnic Institute), P.E. (Florida)

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PANOUSIS, PETER, Dean Emeritus, College of Sciences (2000), B.S., Ph.D. (Iowa State University)

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PYLE, RANSFORD C., Associate Professor Emeritus of Legal Studies (1976), A.B., M.A., J.D., Ph.D. (University of Florida)


RHOtER, FRANK D., Professor Emeritus of Education (1968), B.S., M.Ed., Ph.D. (University of Southern California)

ROLLINS, Jack B., Professor Emeritus of Psychology (1969), B.S., M.S., Ph.D. (University of Georgia)

RUBIN, RONALD S., Professor Emeritus of Marketing (1972), B.A., M.A., Ph.D. (Massachusetts Institute of Technology)

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SHERWOOD, HOWARD, Professor Emeritus of Mathematics (1969), B.S., M.S., Ph.D. (University of Arizona)

Shofner, JERRELL H., Professor Emeritus of History (1972), B.S., M.S., Ph.D. (Florida State University)

SIFVAT, WILLIAM, Professor Emeritus of Optics (1990), B.S., Ph.D. (University of Utah)

Smith, FrANCES B., Associate Professor Emeritus of Nursing (1979), R.N., Ed.D. (Florida State University)

Smith, Harry W., JR, Professor Emeritus of Theatre (1969), B.A., M.A., Ph.D. (Tulane University)

Smith, WILLIAM F., Professor Emeritus of Engineering (1999), B.A., M.S., Sc.D. (Massachusetts Institute of Technology), P.E. (California, Florida)

Snelson, Franklin F., JR, Professor Emeritus of Biology (1970), B.S., Ph.D. (Cornell University)

SomerviLe, Paul N., Professor Emeritus of Statistics (1972), B.Sc., Ph.D. (University of North Carolina)

Sorg, Steven E., Associate Professor Emeritus of Education (1978), B.S., M.S., Ph.D. (Florida State University)

Steaman, Allyn M., Professor Emerita of Anthropology (1976), B.A., M.A., Ph.D. (University of Florida)

SteGeman, George L.A., Professor Emeritus of Optics and EECS (1990), B.S., M.S., Ph.D. (University of Toronto)

Stout, I. Jack, Professor Emeritus of Biology (1972), B.S., M.S., Ph.D. (Washington State University)

SwEeneY, MICHaEL J., Professor Emeritus, Molecular Biology and Microbiology (1972), Ph.D. (Temple University School of Medicine)

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Taylor, Michael D., Professor Emeritus of Mathematics (1989), B.A., M.S., Ph.D. (Florida State University)

Taylor, Walter K., Professor Emeritus of Biology (1969), B.S., M.S., Ph.D. (Arizona State University)


Thomas, Margaret H., Professor Emeritus of Psychology (1971), B.A., M.A., Ph.D. (Tulane University)
COURTESY APPOINTMENTS

ABDELRAHIM, MAEN A., Courtesy Associate Professor of Biotechnology and Biochemistry (2002), B.S., M.S., Ph.D. (University of Washington)

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AGANOSTOPoulos, GEORGIOS, Courtesy Assistant Professor (2007), B.S., M.S., Ph.D. (University of Central Florida)

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BARTON, PAUL, Courtesy Professor (2009), B.S., M.S., Ph.D. (University of Central Florida)

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Chittick, Elizabeth, Assistant Research Professor of Biology (2002), B.S., M.S., Ph.D. (University of California, Berkeley)

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<table>
<thead>
<tr>
<th>Name</th>
<th>Title/Position</th>
<th>Institution</th>
<th>Degree(s)</th>
</tr>
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<tbody>
<tr>
<td>GESQUIERE, ANDREQ</td>
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<td>Director, Student Services, Southern Region</td>
<td>(2006), B.S., M.A. (Louisiana Tech University)</td>
<td></td>
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<tr>
<td>Fernandez, Jean</td>
<td>Dean, Professor of Spanish and History</td>
<td>(1981), B.A., M.A., Ph.D. (The Florida State University)</td>
<td></td>
</tr>
<tr>
<td>Fortier, Vanessa</td>
<td>Associate Vice President, Finance</td>
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<tr>
<td>Gardner, Dan</td>
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<tr>
<td>Gerbert, Matthew</td>
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<tr>
<td>German, Deborah C.</td>
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<td></td>
</tr>
<tr>
<td>Glaspie, Henry</td>
<td>Director, IT, College of Medicine</td>
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<tr>
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</tr>
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<td>Hartzler, Christi A.</td>
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<td>Hope, Thomas L.</td>
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<tr>
<td>Huff-Corzin, Lin</td>
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<tr>
<td>Jackson, John</td>
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<td>Jaffe, Larry</td>
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<tr>
<td>Jarrell-Cole, Margaret</td>
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<tr>
<td>Jefferson, Allison</td>
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<td>(1999), B.S., M.S. (Northwestern University)</td>
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<tr>
<td>Jones, Tracy R.</td>
<td>Assistant Dean, Graduate Admissions, Student Services, and Recruiting, College of Graduate Studies</td>
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<tr>
<td>Juntunen, Dana</td>
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<td>Kernek, Lee</td>
<td>Associate Vice President, Facilities and Safety</td>
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<tr>
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</tr>
</tbody>
</table>
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WRIGHT, JENNIFER, Director, Dispute Resolution Services (2001), A.A.S., B.S.B.A, M.A. (Appalachian State University)

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YOUNG, DENISE L., Associate Vice President and Director UCF Cocoa and UCF Palm Bay (1990), B.A., M.S.W., Ph.D. (University of Michigan)

ZUGELDER, BRYAN, Director of Clinical Experiences (2005), B.S., M.S., M.A., Ed.D. (Nova Southeastern University)
## HONORARY DEGREES AWARDED

<table>
<thead>
<tr>
<th>Month</th>
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<th>Degree</th>
<th>Month</th>
<th>Name 2</th>
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<tbody>
<tr>
<td>July 1982</td>
<td>Ferdinand Duda, Doctor of Agricultural Service</td>
<td>November 2002, James Bacchus, Doctor of Public Service</td>
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<tr>
<td>December 1984</td>
<td>Mary Jo Davis, Doctor of Public Service</td>
<td>December 2004, G. Vince Amico, Doctor of Science</td>
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<tr>
<td>December 1984</td>
<td>Charles Wadsworth, Doctor of Public Service</td>
<td>December 2002, Robert E. Kahn, Doctor of Science</td>
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<tr>
<td>May 1985</td>
<td>George J. Becker, Jr., Doctor of Public Service</td>
<td>May 2005, Harriet Elam-Thomas, Doctor of Public Service</td>
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<tr>
<td>May 1989</td>
<td>Frank M. Hubbard, Doctor of Public Service</td>
<td>May 2009, Howard Lance, Doctor of Science</td>
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<tr>
<td>May 1990</td>
<td>Helen Harris Perlman, Doctor of Humane Letters</td>
<td>May 2009, Howard Lance, Doctor of Science</td>
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</tbody>
</table>
A.A.: associate in arts degree. A degree designed for transfer to an upper division college or university. A Florida A.A. degree satisfies General Education (GEP) at all Florida SUS Schools.

Accreditation: certification that the college/school or program has met established standards and is nationally recognized by appropriate accrediting agencies.

ACT: American College Testing program is used for undergraduate admission purposes.

Add: online procedure used to alter class schedules after registration. During this time, students can adjust their schedules through myUCF (https://my.ucf.edu) by adding courses. Students should check the appropriate term’s Web Enrollment Guide for details.

A.S.: associate in science degree. A broad-based degree designed to prepare students to enter a wide variety of careers.

ASSA: Academic Services for Student Athletes.

Audit (course): to attend classes without receiving academic credit.

Audit (Degree): computerized summary of progress toward completion of degree requirements to be used with academic advising and registration. Available from myUCF at https://my.ucf.edu. (See also “Degree Audit”)

BA: Business Administration. This abbreviation appears in the listing of courses and refers to the College of Business Administration (CBA). Also see Bachelors Degree.

Baccalaureate or Bachelors Degree: completion of all University and major graduation requirements as certified by the University (B.A. is the Bachelor of Arts degree and B.S. is the Bachelor of Science degree).

BHC: Burnett Honors College

Breaking Catalog: loss of eligibility to follow graduation requirements in a specific catalog.

BSBS: Burnett School of Biomedical Sciences.

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.

CED: College of Education.

Certificate: special program of study supplemental to a major.

Cl: consent of instructor.

Class Schedule Search: a component of the online myUCF system (https://my.ucf.edu) that lists courses and class sections offered each academic term.

CLAS: College Level Academic Skills: CLAS is a required statewide measurement of selected communicative 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.

COHPA: College of Health and Public Affairs.

College: collection of related academic departments. There are twelve colleges at UCF: Burnett Honors College (BHC), Arts and Humanities (CAH), Business Administration (CBA), Education (CED), Engineering and Computer Science (CECS), Graduate Studies, Health and Public Affairs (COHPA), Medicine (COM), Nursing, Optics and Photonics (CREOL), Sciences (COS), and Rosen College of Hospitality Management (RCHM).

COM: College of Medicine.

Common Course Numbering: the statewide course numbering system (SCNS) uses a course designation that consists of a 3-letter prefix and a 4-digit number and when necessary a one-letter laboratory (L) or lecture/laboratory (C) suffix.

Common Program Prerequisite: the State of Florida has identified Common Program Prerequisites for all University programs. These prerequisites must be completed by all students entering that field of study, must be accepted by all state universities and must be applied towards the degree.

Contact hours: number of hours students meet in class.

Continuous Enrollment: enrollment not interrupted by non-attendance for either consecutive Fall and Spring terms, or consecutive Spring, Summer term, and Fall.

COS: College of Sciences.

CR: co-requisite is an additional course in which you must enroll during the same term as the primary course you desire to take.

Credit Hour or Semester Hour: every course taught is designated a total number of credit hours. The number of credit hours for a class reflects approximately the total hours a student spends per week in class. Most lecture courses are three credit hours and meet three hours each week. Students should expect to spend at least two hours of study time outside of class for every hour spent in class. One semester hour equals 1.5 quarter hour.

Degree Audit: a computerized degree audit lists courses completed toward major and degree requirements. Diploma: official certificate displaying earned degree, major and baccalaureate honors.

Directory Information: information items that the Family Educational Rights and Privacy Act of 1974, as amended (FERPA) authorizes the University to release without the student’s prior consent, unless the student has filed a “Directory Disclosure/Release Authorization Form” with the Registrar’s Office. Directory information at UCF includes the student’s name, current mailing address, telephone number, date of birth, enrollment status, dates of attendance, major field of study, degree and awards received, participation in officially recognized activities and sports, and athletes’ height and weight.

Disqualified: a student on academic probation 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 permanent 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 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.

MEP: Major Exploration Program to assist students are undecided about a major.

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 each term; register, drop/swap and add courses each term; withdraw from courses following the close 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.

Nursing: College of Nursing.

Overall GPA: cumulative GPA of UCF and transfer course work.

Password: a series of four to eight characters and numbers chosen by the student that is associated with the 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 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.

Retention: a term used to describe students’ continued enrollment at the University until successful completion of their educational goals.

RHIM: Rosen College of Hospitality Management

SARC: Student Academic Resource Center provides academic support programs, including supplemental instruction, tutoring, academic advising, and various other programs and services to students.

SAT: Scholastic Assessment Test is an assessment used for University admission purposes.

Satisfactory Academic Progress: a general eligibility requirement for financial assistance. (see the “Student Financial Assistance” section of this Undergraduate Catalog.)

Second Bachelors Degree: awarded when the student meets the requirements for both degrees and earns a minimum of 150 credit hours.

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., PHN 2053 then 2054). Students should consult the advisor before registering out of sequence.

SSYC: Sophomore & Second Year Center
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