The UCF Creed

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

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

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

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

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

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

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

UCF Stands For Opportunity
Mission Statement

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

I hope you are excited about the new academic year and the many opportunities that await you at UCF. Work hard in your classes and participate fully in extra-curricular activities, and you will be rewarded with an excellent education along with experiences that will enrich your life.

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

Take pride in your university. Our academic programs are setting the standard for the nation, our faculty members are nationally renowned for their teaching and research, our academic service-learning program is among the largest in the nation, and our athletic teams compete with the best in the country.

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

You have my best wishes for success during this coming year. UCF faculty members and staff members are here to help you to learn, to grow, and to excel. Upon graduation, you will join the more than 170,000 alumni whose lives have been changed by their UCF experience.

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

Cordially yours,

John C. Hitt
President
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## UNIVERSITY OF CENTRAL FLORIDA

### Undergraduate Catalog 2010-2011

## Summer 2010 ACADEMIC CALENDAR

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<th>Registration for Senior Citizen Audits and STEP (begins 3:30 p.m.)</th>
<th>Classes begin</th>
<th>Late Registration on myUCF (ends at 11:59 p.m. on last day)</th>
<th>Drop Deadline on myUCF (ends at 11:59 p.m.)</th>
<th>Last Day for Full Refund on myUCF (ends at 11:59 p.m.)</th>
<th>Add Deadline on myUCF (ends at 11:59 p.m.)</th>
<th>Payment Deadline</th>
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<td>March 22 - May 16</td>
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<td>August 6</td>
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</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 (MH 329) at 407-823-6479.

1 Ends at 5:00 p.m. on the last day.
2 Summer B payment deadline for all students who register 3/22 - 5/21; Summer B payment deadline for all students who register May 22 - July 2.
3 $100 Late Registration Fee applies to students who enroll following the close of Registration or who enroll for the first time that term during Late Registration.
4 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.”
5 Summer Final Exams are given during the last class meeting.

### University Holidays and Special Events

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<td>Housing Payment Due</td>
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<td>On-campus Housing opens (9:00 a.m.)</td>
<td>August 20</td>
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<td>August 23</td>
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<td>Last Day for Full Refund</td>
<td>August 26</td>
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<td>Add Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>August 27</td>
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</tr>
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<td>December 7-13</td>
</tr>
<tr>
<td>On-campus Housing closes (noon)</td>
<td>December 14</td>
</tr>
<tr>
<td>Grades Due on myUCF (noon)</td>
<td>December 16</td>
</tr>
<tr>
<td>Degree Conferral Date</td>
<td>December 17</td>
</tr>
<tr>
<td>Commencement</td>
<td>December 17-18</td>
</tr>
<tr>
<td>Grades Available on myUCF (begins 9:00 a.m.)</td>
<td>December 18</td>
</tr>
</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 (MH 329) at 407-823-6479.

\(^1\) $100 Late Payment Fee applies to students who do not pay their fees or do not pay their fees by the due date.

\(^2\) $100 Late Registration Fee applies to students who have not enrolled by the close of Registration.

\(^3\) Incomplete grades must be removed within one year of the award date prior to graduation from the University, whichever comes first, else they will change to “F.”

\(^4\) Under the new Multiple Term Registration procedure, undergraduates with a declared major and UCF GPA of 3.5 or higher will receive their appointment dates and times for Summer 2009, Fall 2009 and Spring 2010 beginning March 2, 2009. Registration for these students will begin on or after March 23. All other eligible students will receive their registration times beginning October 12 and Spring registration for these students will begin on or after October 26.

### University Holidays and Special Events

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Labor Day Holiday</td>
<td>September 6, 2010</td>
</tr>
<tr>
<td>Main Campus/Research Park classes end 12:20 p.m.</td>
<td>October 6, 2010</td>
</tr>
<tr>
<td>Regional and Rosen Campus classes end 2:50 p.m.</td>
<td>October 6, 2010</td>
</tr>
<tr>
<td>Main, Regional, Research Park, and Rosen Classes resume 7:00 a.m.</td>
<td>October 7, 2010</td>
</tr>
<tr>
<td>Homecoming Week (classes still held)</td>
<td>October 17-23, 2010</td>
</tr>
<tr>
<td>Homecoming Game - vs. Rice</td>
<td>October 23, 2010</td>
</tr>
<tr>
<td>Veterans Day Holiday</td>
<td>November 11, 2010</td>
</tr>
<tr>
<td>Thanksgiving Holidays</td>
<td>November 25-27, 2010</td>
</tr>
<tr>
<td>Martin Luther King Jr. Holiday</td>
<td>January 17, 2011</td>
</tr>
<tr>
<td>Spring Break</td>
<td>March 7-12, 2011</td>
</tr>
<tr>
<td>Founder’s Day Honors Convocation (classes still held)</td>
<td>April 6, 2011</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 Catalog and the Undergraduate Advising Guide. 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 on the basis of race, sex, national
origin, religion, age, disability, marital status, parental status, veteran’s
status, genetic information, and sexual orientation is prohibited.

Sexual harassment, a form of sex discrimination, is defined as unwel-
come sexual advances, requests for sexual favors, or verbal or physical
conduct of a sexual nature when:
1. Submission to such conduct is made either explicitly or implicitly a
term or condition of an individual’s employment or enrollment;
2. Submission to or rejection of such conduct by an individual is used
as the basis for employment or enrollment decisions affecting such
individual; or
3. Such conduct 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 proce-
dures, from the Equity Coordinator. The Director of the Office of Equal
Opportunity and Affirmative Action Programs is the campus Equity
Coordinator responsible for concerns in all areas of discrimination. The
Office is located in the Orlando campus, in Millican Hall 330, Orlando,
FL 32816-0030. The phone number is 407-UCF-1EEE. Policies and
guidelines are available online at http://www.eeo.ucf.edu/.

Drug-Free Workplace/Drug-Free Schools
Policy Statement

Standards of conduct and disciplinary sanctions will be imposed for the unlawful possession, misuse or distribution of illicit drugs and alcohol
by UCF students and employees on UCF property or as part of any of
its activities. The unlawful manufacture, distribution, dispensation, pos-
session, or use of controlled substances, prescription medications, 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/
termination/expulsion and/or referral for prosecution consistent with local, state and federal law.

Campus Alcoholic Beverages Policy

The sale, service, possession and consumption of alcoholic beverages
shall comply with state and federal laws, city and county ordinances,
and the licensing agreement with on-campus distributors which
allows for the sale and service of alcoholic beverages. In addition the
University has formulated the following policies governing the sale, ser-
vice, possession and consumption of alcoholic beverages on campus.

Guidelines

The sale and service of alcoholic beverages to persons younger than
21 years of age is prohibited. Possession or consumption of alcoholic
beverages is prohibited by persons younger than 21 years of age.
Possession and consumption of alcoholic beverages in open or
unsealed containers is prohibited except in designated areas or as
approved with special events.

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

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

Locations

The sale of alcoholic beverages to individuals of legal age will be per-
mitted in licensed areas by licensed on-campus distributors.

The sale or service of alcoholic beverages to individuals of legal age
will be permitted at other select campus locations for catered functions
by properly authorized distributors.

The serving, possession or consumption of alcohol by individuals of
legal age may be permitted in private residential rooms in the resi-
dence halls and other on-campus or affiliated housing unless otherwise
prohibited by the governing organization. Consumption of alcoholic
beverages in public or common areas within on-campus residential
units shall follow guidelines provided by their governing organization,
and local, state and federal law.

Approval Procedures: Student Groups

Prior approval for students or student organizations to host an event
where alcoholic beverages are to be sold requires approval and/or per-
mission from the Director of Business Services.

Tobacco Division of the Department of Business Regulations of the
State of Florida. Off-campus groups or organizations who seek to sell
alcoholic beverages in a location and situation which does not require
a license must obtain prior approval to serve alcohol on campus from
the Director of Business Services.

For the complete and definitive version of the Drug-Free Workplace/
Drug-Free Schools Policy Statement, please go to:
http://www.goldenrule.sdes.ucf.edu/.

Academic Behavior Standards

The University of Central Florida is committed to a policy of honesty in
academic affairs. Conduct that comprises a breach of this policy may
result in academic action 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 materi-
als. The violations of student academic behavior standards on the
University’s undergraduate and graduate levels are listed and defined in the Rules

Note: A student who has assisted another in any of the aforemen-
tioned breach of standards shall be considered equally culpable. In
cases of cheating or plagiarism, the instructor may take appropriate
academic action ranging from loss of credit for a specific assignment,
and/or project, or removal of the course with a grade of “F.” Additionally, the instructor may request assistance through the
Office of Student Rights and Responsibilities as outlined in The Golden
Rule Student Handbook.

Student Use of Technology

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

The University of Central Florida has developed one of the nation's most advanced campus technology environments, and all UCF students are provided free Knight's E-mail accounts and Internet access. Students wishing to acquire a personal computer are strongly advised to consider a laptop equipped with a wireless network adaptor. Recommended configurations can be found on the University's Web site at http://store.ucf.edu/graphics/Computer Recommendations.pdf.

Undeclared Policy

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

Student Responsibility for University Communication

UCF uses e-mail as the official means of notifying students of important university business and academic information concerning registration, deadlines, financial assistance, scholarships, student accounts (including tuition and fees), academic progress and problems, and many other critical items for satisfactory completion of a UCF degree program. The university sends all business-related and academic messages to a student's Knights E-mail 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.knightsmail.ucf.edu and check it regularly to avoid missing important information from the university. Any difficulty with establishing an account or with accessing an established account must be resolved through the UCF Computer Services Service Desk so that a student receives all important messages.

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

It is critical that students maintain and regularly check their Knights E-mail account for official announcements and notifications. Communications sent to the Knights E-mail 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 communications are not received or read by students who have not registered for, or maintained their Knights E-mail account on a regular basis. Please ensure that this information is current and that any changes in contact information are made online through the myUCF portal at https://my.ucf.edu.

Complaint Policy

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

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

Accreditation

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

The University of Central Florida is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (1866 Southern Lane, Decatur, Georgia 30033-4097: Telephone number 404-679-4501) to award degrees at the associate, baccalaureate, master's, doctoral, and professional levels. At the undergraduate level, the following programs (disciplines) have been granted accreditation:

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

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

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

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

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

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

UCF has a 149,000-square-foot Recreation and Wellness Center complete with a three-story climbing wall, an indoor track and fitness equipment. The Student Union has computer labs, study lounges, ballroom and meeting rooms, popular eating establishments and a small shopping mall. The Health Center is a full-service health clinic with on-site professionals, X-ray capabilities, dental services, a pharmacy, a medical laboratory and physical therapy services. The 10,000-seat UCF Arena and 50,000-seat on-campus football stadium were opened in 2007. Housing includes on-campus residence halls and affiliated apartments for more than 10,000 students.

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

In 2008-09, UCF professors received $121.7 million in research funding, topping $100 million for the fifth consecutive year. Distinctive research programs extend learning beyond the classroom and include leadership programs, study abroad, cooperative education, mentorships, internships, service learning and paid research positions.

Online@UCF

Assistant Vice President: Thomas B. Cavanagh; Center for Distributed Learning; 407-823-4910; E-mail: cavanagh@mail.ucf.edu
http://online.ucf.edu/

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

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

Online instruction modes are:
WORLD WIDE WEB (W): These are courses conducted via Web-based instruction and collaboration. Some courses may require in-person or proctored examinations and/or minimal campus attendance.

MIXED-MODE/REDUCED SEAT TIME (M): These courses include both required classroom attendance and online instruction. All M classes have substantial activity conducted over the Web, which will substitute for some classroom meetings.

VIDEO STREAMING (V): These are courses delivered over the Web via streaming digital video, which may be supplemented by additional Web-based activities, projects, etc.

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

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

Online@UCF is supported by the Center for Distributed Learning. The Center’s mission is to provide support to students, faculty and staff involved in the development and delivery 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 community college 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 admission, 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 Lake Nona, 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 entry 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 offered by and senior level courses 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 Web site at http://www.regionalcampuses.ucf.edu.

Administration

UCF Regional Campuses Administration
1201 Technology Parkway, Suite 101 Orlando, 32626; 407-823-4547

Interim Vice Provost, UCF Regional Campuses .... Joyce Dorner
Senior Administrative Assistant .................. Dania Suarez
Associate Vice President, Executive Director, Academic Initiatives .................. TBA
Assistant Director, Academic Initiatives ............. Cyndi Thomas
Facilities Scheduler .................................. Denise Devlin
Coordinator, Statistical Research ................ Jeanne Walker
Assistant Vice President, Student Services ........ A.J. Range
Office Assistant ..................................... Kenya Cabrera
Assistant Vice President, Regional Campus Transfer Department .................. TBA
Marketing Account Executive ..................... Michelle Fuentes
Web Designer ....................................... Tony Recascino
Network Engineer ................................... Kirk Henry
Senior Broadcast Technologist .................... Calston Llewellyn
Director, Academic Advising ..................... Helen Hill
Campuses
UCF Valencia West, UCF South Orlando, UCF Valencia Osceola
Director, Academic Support Services .................. Edgar Martinez
Administrative Assistant .................................. Jacqueline Diaz
Assistant Director, Enrollment Services .......... Shellee Thomas-Small
Coordinator, Academic Advising Services I ...... Carol Black
Coordinator, Academic Advising Services II ....... Chris Miller
Coordinator, Academic Advising Services III ........ TBA
Coordinator, Academic Advising Services IV ...... Lisa Cruz
Coordinator, Academic Advising Services V ........ TBA

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

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

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

UCF South Lake, UCF Ocala, UCF Leesburg
Assistant Vice President, Academic Affairs ............ Cecilia Rivers
Associate Director, Academic Support Services ...... Tanya Armstrong
Director, Regional Campus Student Services .......... James C. Smith, Jr.
Assistant Director, Enrollment Services .................. Christy Pasnins
Coordinator, Enrollment Services ....................... Thomas Sarilik
Coordinator, Academic Advising Services I .......... Chris Lunt
Coordinator, Academic Advising Services II ............ Selena Fosterer
Coordinator, Academic Advising Services III ........... Robin Tinsley
Coordinator, Academic Advising Services IV ............ Bethany Larson
Coordinator, Academic Advising Services V ............ 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, Industrial Operations, Information Technology, Legal Studies, and Supervision and Administration
Aerospace Engineering (3rd year B.S.A.E.) College of Engineering and Computer Science

Business Administration (B.A.B.A.) College of Business Administration
Communication Sciences and Disorders (B.A., B.S.) College of Health and Public Affairs
Criminal Justice (B.A., B.S.) College of Health and Public Affairs
Elementary Education (B.S.) College of Education
History (B.A.) College of Arts and Humanities
Interpersonal/Organizational Communication (B.A.) College of Sciences
Interdisciplinary Studies (B.A., B.S.) Office of Interdisciplinary Studies
Legal Studies (B.A., B.S.) College of Health and Public Affairs
Mathematics Education (B.S.) College of Education
Nursing (B.S.N., R.N. to B.S.N.) College of Nursing
Political Science (B.A.) College of Sciences
Psychology (B.S.) College of Sciences
Sociology (B.A.) College of Sciences
Social Science (B.S.) College of Sciences
Social Science Education (B.S.) College of Education

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

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

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

Undergraduate Degree Programs
Applied Science (B.A.S.) Office of Undergraduate Studies
Tracks: Early Childhood Education, Criminal Justice, Health Services Administration, Industrial Operations, Information Technology, Legal Studies, and Supervision and Administration
Criminal Justice (B.A., B.S.) College of Business Administration
Early Childhood Education (B.S.) College of Education
Elementary Education (B.S.) College of Education
Exceptional Student Education (B.S.) College of Education
Interdisciplinary Studies (B.A., B.S.) Office of Interdisciplinary Studies
Legal Studies (B.A., B.S.) College of Health and Public Affairs
Mathematics Education (B.S.) College of Education
Nursing (B.S.N., R.N. to B.S.N.) College of Nursing
Photography (B.S.) College of Arts and Humanities
Political Science (B.A.) College of Sciences
Psychology (B.S.) College of Sciences
Social Science Education (B.S.) College of Education
Social Sciences (B.S.) College of Sciences
Sociology (B.A.) College of Sciences
Technical Education and Industry Training (B.S.) College of Education

University of Central Florida/Campuses
RESOURCES & DEPARTMENTS

University of Central Florida/Campuses

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
Business Administration (M.B.A.) College of Business Administration
Career and Technical Education (M.A.) College of Education
Clinical Psychology (M.A.) College of Sciences
Criminal Justice (M.S.) College of Health and Public Affairs
Educational Leadership (M.Ed.) College of Education
Health Sciences: Health Services Administration (M.S.) College of Health and Public Affairs
Reading Education (M.Ed.) College of Education
Social Work (M.S.W.) College of Health and Public Affairs

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

Undergraduate Degree Programs
Applied Science (B.A.S.) Office of Undergraduate Studies
Tracks: Criminal Justice, Health Services Administration, Industrial Operations, Information Technology, and Supervision and Administration
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)
Mathematics Education (B.S.) College of Education
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, Industrial Operations, 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
Interpersonal/Organizational Communication (B.A.) College of Sciences
Mathematics Education (B.S.) College of Education
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
Math
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, Industrial Operations, Information Technology, Legal Studies, 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 (B.A., B.S.) College of Health and Public Affairs
Mathematics Education (B.S.) College of Education
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
Organizational Communication
Math
Political Science
Psychology
Social Sciences - Interdisciplinary
Sociology
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

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

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

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

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

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

UCF South Orlando
407-856-6585
7300 Lake Ellenor Drive, Orlando, FL 32809

This location provides junior and senior level course work contributing to undergraduate degrees. Please check the schedule for course offerings.

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

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

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

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

General Regional Campus information:
Web site: http://www.regionalcampuses.ucf.edu
Programs are offered via multiple delivery methods: web, video streaming, face-to-face, and ITV. Delivery methods vary by location.
Bachelor of Applied Science: A degree option for transfers with an Associate of Science degree. Availability of tracks varies by location.

Central Florida Research Park
The Central Florida Research Park, adjacent to the main UCF campus, is a University-related research park established as a result of legislation passed by the Florida Legislature in 1976. The Research Park is a cooperative effort between UCF, the Orange County Research and Development Authority, and the Orange County Board of County Commissioners (which appoints the members of the Authority). The governing body of the Research Park is the Orange County Research and Development Authority.

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

The ultimate goal of University-related research parks is to establish an 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.

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

Phillips-Schenck Chair in American Private Enterprise: Created in 1980 as the focal point for a continual dialog on major economic issues, comparative economic systems, and economic decision-making in business. Chair: TBA.

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

William S. and Alice M. Jenkins Chair in Community Arts: Created in 1996 to enable UCF to design and oversee programs covering art administration, art therapy, and art education within the Central Florida community. Chair: Kevin Haran.

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

The Cobb Family Eminent Chair in Optical Sciences and Engineering: Created in 1988 and dedicated to probing the frontiers of computer science, with emphasis on the direction that the discipline will take over the next decade. Chair: Narsingh Deo.

William S. and Alice M. Jenkins Chair in Community Arts: Created in 1996 to enable UCF to design and oversee programs covering art administration, art therapy, and art education within the Central Florida community. Chair: Kevin Haran.

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University of Central Florida/Campuses

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

The Ombuds Office is an informal, impartial, independent and confidential resource for all members of the University community. It is not an office of notice of wrongdoing and cannot participate in any formal complaint 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 the concern. Referral and direction to appropriate individuals and offices, and clarification of University policies and procedures are services of the office. Appointments may be made by calling 407-823-6440. The Ombuds Officer is bilingual in Spanish.

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

The Office of Undergraduate Studies supports the colleges and units in their curricular planning, collaborates with faculty curricular over- sights, and is involved with academic administrators to assure the strength of university-wide programs such as general education, and advocates for an undergraduate education that offers an outstanding learning experience to UCF students. Interdisciplinary academic degrees such as the Bachelor of Applied Sciences, and the Bachelor of Sciences and Bachelor of Arts in Interdisciplinary Studies, are conferred from this office. Units within Undergraduate Studies include the Office of Academic Services, the Office of Experiential Learning, the Faculty Center for Teaching and Learning, the Office of Undergraduate Research, the Office of Interdisciplinary Studies, the Pre-professional Advising Office, and the McNair and Research and Mentoring Programs. The Dean serves as the final arbiter for all undergraduate academic appeals.

Academic Services
Associate Dean: TBA; MH 210; 407-823-2691
http://www.academicservices.ucf.edu/

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

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

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

The Communications Center (407-823-5555) provides a mechanism for persons to receive assistance in the event of an immediate threat, danger, injury, fire, or criminal occurrence by calling 9-1-1. University Police are part of the county-wide "Enhanced 9-1-1" system and automatically receive calls related to campus. The system ensures that the correct emergency responder - police, medical or fire - is directed to the right place in the shortest amount of time. Since telephone numbers appear on the police computer screen, callers who are either too young or too incapacitated to give their number or location can still receive emergency assistance. Communications Operators are on duty 24 hours a day. Blue light emergency phones are located at various locations on campus to allow persons in need of assistance to contact the Police Department. All Blue Light Emergency phones dial into the Communications Center to ensure a swift response if needed.

The Patrol Division (407-823-5555) provides proactive police services to the campus community by means of foot patrols, and marked vehicle patrols. The Patrol Division additionally contains specialized patrol units such as K-9, marked motorcycle units, bicycle patrol units and all-terrain vehicles to meet the unique needs of an expanding urban university. The Investigations Division (407-823-5980) consists of five detectives, a forensic technician and a criminal analyst who conduct latent investigations for all criminal cases.

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

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


Information Technologies and Resources

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

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

University Libraries

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

Associate Director for Administrative Services: Frank R. Allen; LIB 512; 407-823-2892

Associate Director for Public Services: Meg K. Scharf; LIB 512; 407-823-2564

Assistant Director for Systems & Technology: Selma K. Jaskowski; LIB 512; 407-823-5444

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

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

The Libraries’ web-based catalog can be accessed from any public, home or office computer or mobile internet device, offering a gateway to hundreds of electronic databases, journals and e-books, as well as the Library catalog, and campus maps. More information is available at the library catalog. The Libraries’ in-town and out-of-town holdings are accessible via the Interlibrary Loan and Document Delivery Services Department (ILL/DDS) assists students in obtaining materials not owned by the UCF Libraries. Most book loans, photocopied materials, and electronically delivered items can be acquired free of charge within two weeks. Request forms are available at http://library.ucf.edu/ill. For more information, call 407-823-2383 during office hours or visit the ILL/DDS Web site.

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

Primary source material from Special Collections and the University Archives http://library.ucf.edu/SpecialCollections/ supports the research, teaching, and service activities of the UCF community. These special materials include books, manuscripts, historic public records, rare books, antique maps, photographs, 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 institutions through Central Florida Memory, Florida Heritage, Digital Library of the Caribbean, and similar web-based projects to provide digital access to special and historic images and documents.

The Curriculum Materials Center (CMC), a unit of University Libraries, is located in the College of Education Building. The CMC provides representative K-12 curriculum materials for preview, review, analysis and circulation. Although the CMC primarily serves education students and faculty, it is open to all campus faculty, staff, and students. For more information see the CMC web page at http://library.ucf.edu/cmcc 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...
UCF Arena at Knights Plaza

The UCF Arena is the largest live entertainment and sports facility in East Orlando. With seating for more than 10,000 fans, it is home to UCF athletic events, university graduation ceremonies and a diverse lineup of world famous entertainers, beloved family shows and festivities 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 http://www.ucf.bookstore.com or call 407-823-2665.

Knights Plaza Location

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

Transportation Services

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

UCF also has an intra-campus shuttle service on the Black and Gold Line. Two routes serve up to 13 stops on campus. They operate continuously from 7:00 a.m. until 7:00 p.m. during the fall and spring semesters, and from 7:00 a.m. to 4:00 p.m. during the summer terms.

An inter-campus transportation service is provided between the UCF main campus and the Rosen College of Hospitality Management. It makes nine round-trip runs between 6:45 a.m. and 9:00 p.m., Monday through Thursday, during the Fall and Spring semesters, and seven round-trip runs between 7:00 a.m. and 7:45 p.m. during the summer semester. Our latest addition is an inter-campus transportation service between UCF main campus and the College of Medicine. It makes four round trips between 7:45 a.m. and 6:15 p.m. Monday through Friday.

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

In addition, three LYNX bus routes, Links 13, 30, and 47, serve the UCF campus from Oviedo, Downtown Orlando, Valencia Community College, and East campus. Commuters may connect to most anywhere in the Greater Orlando area. The LYNX buses normally operate at 30 to 60 minute intervals. Route maps may be obtained at the UCF Visitors Information Center and the Information Kiosk at the Student Union. Further details, including rates and information on special passes, may be obtained by calling LYNX at 407-841-8240, or from their Web site, http://golynx.com.

Orlando Shakespeare Theater in Partnership with UCF

Artistic Director: Jim Helsinger; 812 E. Rollins St., Suite 100, Orlando FL 32803; E-mail: jmh@orlandoshakes.org
http://www.orlandoshakes.org

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

The theater has achieved a position of national recognition, attracting audiences from across the country. The theater has been featured in national publications such as Southern Living, Theater Week, Backstage, American Theater, Stage Directions and Southern Theater. The third year of UCF’s Acting MFA in Theatre is spent in residence at the theater. Internships and independent studies for UCF undergraduates are also available with the theater in many departments. $10 rush tickets are available for UCF students 1/2 hour before performances with student ID. To purchase tickets, contact the box office at 407-447-1700. For internship information and other questions, contact Artistic Director Jim Helsinger.
UCF Alumni Association

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

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

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

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

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

UCF Foundation, Incorporated

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

Director and University Data Administrator: M. Paige Borden; Research Pavilion, 12424 Research Parkway, Suite 200, Orlando 32826; 407-823-5061
http://www.smca.ucf.edu

Institutional Research

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

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

Operational Excellence and Assessment Support

Director: Patrice Laney; Research Pavilion, 12424 Research Parkway, Suite 225, Orlando 32826; 407-882-0275
http://www.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 emergency communications and preparedness. Communications are strategic, multi-faceted and adaptable to internal and external audiences.

Well-trained staff members are “providers of choice” and consistently offer high-quality, innovative and timely services to promote and enhance UCF’s reputation.

Regional Campuses Transfer Admission, Enrollment Services and Marketing

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

Student Financial Assistance

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

The mission of Student Financial Assistance is to provide UCF students and the University community comprehensive quality service by offering options for financial assistance and efficient delivery of aid. Financial aid counseling is available by appointment. Due to confidentiality, counseling by phone and e-mail is limited. Student Financial Assistance, a unit of Strategy, Marketing, Communications and Admissions, is dedicated to the attainment of UCF’s mission and goals.
Student Outreach Programs
Acting Director: Rasha Daniel; Orlando Tech Center, 12479 Research Parkway, Bldg. 600, Suite 215, Orlando 32826; 407-823-5580
http://www.reachout.ucf.edu

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

1. The College Reachout Program (CROP) is supported by the Florida Department of Education and provides campus and school-based programs to strengthen the skills and likelihood of college success of participating students in grades 6-12
2. The UCF Achievers Program, formerly the McKnight Center of Excellence, is supported by the Florida Education Fund and offers academic support and direct access to community-based programs for participating students in grades 6-12.

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

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

Undergraduate Admissions
Associate Vice President: Gordon D. Chavis, Jr.; Progress Energy University Welcome Center; 407-823-3000; E-mail: admission@mail.ucf.edu
http://www.admissions.ucf.edu/

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

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

University Analysis and Planning Support
Director: Sandra Archer; Research Pavilion, 12424 Research Parkway, Suite 215, Orlando 32826; 407-826-0285
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.


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

The sale, service, possession and consumption of alcoholic beverages shall comply with state and federal laws, city and county ordinances, and the licensing agreement with on-campus distributors which allows for the sale and service of alcoholic beverages. In addition, the university has formulated the following policies governing the sale, service, possession and consumption of alcoholic beverages on campus. For more information regarding Alcohol/Drug Policy, visit [http://www.aod.sdes.ucf.edu](http://www.aod.sdes.ucf.edu).

You are encouraged to read the full policy at [http://policies.ucf.edu; 3-115 Alcoholic Beverages on Campus](http://policies.ucf.edu).
These programs and services are available through walk-in assistance, scheduled appointments, workshops, and major events.

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

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

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

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

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

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

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

To fulfill this mission, each student is assigned a specific academic advisor who connects with the student through various activities such as orientation, individual appointments, outreach programs, and e-mail and phone communication. The office focuses its efforts on providing proactive academic advising support, establishing early and regular communication, and providing outreach advising activities for first year students residing in both on-and selected off-campus facilities. FYAE also offers academic advising at their satellite office located in the Pegasus Landing affiliated housing area. FYAE advisors have been designated for first year students in the EXCEL, Freshman Explorations living learning community, STEP, and Out of State Student Mentoring (OSSM) living learning community programs. In addition, high school students admitted to UCF as part of the Early Admission or Dual Enrollment programs are advised through First Year Advising and Exploration.

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

The Academic Exploration Program has been developed to provide structured experiences to assist students who have not declared a major. Students are provided major exploration and career development connections as primary advising initiatives so they can make an informed decision on their future major at UCF. AEP has several components including coordinated academic advising services from the first year advising office, major and career exploration programming activities, and online assessments. The program services are also available to first-year students who are unsure about their major choice and to those considering a change of major.

**First Year Experience**
Executive Director: Joe Ritchie; PH 218; 407-823-5105
http://www.fye.sdes.ucf.edu

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

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

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

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

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

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

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

The Fraternity and Sorority Life office is committed to providing the best possible fraternity and sorority experience for students and the university community. This office fosters and promotes the development of national fraternities and sororities by providing advising, services, and programs to ensure all members engage in high-quality undergraduate fraternal experiences that reinforce the organization’s founding principles: scholarship, community service, campus involvement...
ment, and sisterhood/brotherhood. It encompasses small group living and more importantly, developmental programming for individuals, chapters, chapter alumni boards, house corporation officers, and college Greek boards (i.e., Panhellenic Council, Interfraternity Council (IFC), 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. 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**

**Director:** J. Robert Wirag; HC 309; 407-823-2094 http://www.hs.ucf.edu

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

UCF Health Services is accredited by The Accreditation Association for Ambulatory Health Care. The mission of the University of Central Florida Health Services is to provide quality, outpatient clinical care and health promotion services that 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 registered nurse practitioners, physician assistants, registered nurses, licensed practical nurses, certified medical assistants and a full complement of other medical support personnel who provide laboratory and radiology services. The state-of-the-art 50,000 square-foot Health Services building is centrally located on the UCF Orlando campus.

Students at the Rosen College of Hospitality Management have the option of health care services at the Rosen Medical Clinic close to campus or at UCF HS on the Orlando campus. Medical conditions that require specialty care services are referred to specialists in the greater Orlando area according to the patient’s preference.

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

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

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

The UCF Pharmacy and Knight Aide are state-of-the-art facilities, 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 coverage.

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

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

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

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

**Wellness Center**

**Assistant Director for Health Promotion:** Peter Mastroianni; RWC 111; 407-823-5841 http://hs.ucf.edu/wellness/

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

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

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

Most wellness programs offer LINK Loot and Healthy Knight points.

**Housing and Residence Life**

**Director:** Christi Hartzler; HAB; 407-823-4663 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 all welcome at the Rosen College of Hospitality Management Student Apartments.

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

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

More information on the different housing options, rates, floor plans, etc. is available online at http://www.housing.ucf.edu.

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

LEAD Scholars Program
Associate Director: Stacey Malaret; SU 707; 407-823-2223
http://www.lead.sdes.ucf.edu

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

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

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

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

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

Multicultural Academic and Support Services (MASS)
Director: Wayne Jackson; PH 102; 407-823-2716
http://www.mass.sdes.ucf.edu

The Office of Multicultural Academic and Support Services provides comprehensive academic support, cultural enrichment, consultation, and referral services that promote the retention, and graduation of multicultural and First Generation College Students. MASS offers personalized advising and support; monitors academic progress; sponsors a six-week summer program, Seizing Opportunities for Achievement and Success (SOAR); coordinates the Brothe to Brother mentoring program; and designs and coordinates cultural and social activities to assist students in realizing their academic, career and personal goals. MASS serves as the focal point of operations in addressing the specific needs, issues and concerns that confront multicultural and First Generation College Students at UCF.

Off-Campus Student Services and Student Neighborhood Relations (OCSS-SNR)
Assistant Vice President and Director: Jimmy Watson; HAB 101; 407-823-6505
http://www.housing.ucf.edu/offcampus/

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

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

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

Office of Student Involvement
Director: Kerry Welch; SU 208; 407-823-6471
http://www.GetInvolvedUCF.com

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

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

Recreation and Wellness Center
Director: James Wilkening; RWC; 407-823-2408
http://www.rec.ucf.edu

The Recreation and Wellness Center (RWC) supports and strengthens the mission of the University of Central Florida. The mission of the department is to foster healthy lifestyle choices and wellness through efficient services, comprehensive programs and high-quality facilities. The Recreation and Wellness Center is designed to enrich campus life and advance the university’s educational mission. Benefits of participation include the application of leadership, decision-making, problem solving, conflict management, communication and social skills. We strive to provide the safest, cleanest, highest quality, most dependable and enjoyable services.

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

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

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

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

Challenge Course:
- High Elements; 10 total; on two levels between 25-45 ft.
- Low Elements; 11 total
Lake Claire Recreation Area:
- Two reservable pavilions with grills
- Equipment available for checkout: kayaks, canoes, pedal boats, cornhole and ladderball
- Pier with beachfront
- Open grass area

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

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

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

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

Athletic Training
The Athletic Training program is geared towards the prevention, evaluation, treatment, management and rehabilitation of athletic related injuries and illnesses by an AMA (American Medical Association) certified health care professional. The RWC offers free athletic training services or enjoy the beachfront pier. Equipment is available with a valid UCF I.D. To make reservations for the Challenge Course and Lake Claire please visit our Web site at http://www.rec.ucf.edu.

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

Regional Campuses Student Services
Assistant Vice President: A.J. Range; University Tower, Suite 101, 12201 Research Parkway, Orlando, FL 32826; 407-823-4547
Director, Student Services, UCF Daytona Campus: Diana Weidman; 386-506-4024; E-mail: erss@mail.ucf.edu
Director, Student Services, UCF Cocoa and UCF Palm Bay Campuses: Terry Exum; 321-433-7950; E-mail: rsss@mail.ucf.edu
Director, Student Services, UCF South Lake, UCF Leesburg and UCF Ocala Campuses: Pamela Brady; 352-536-2219; E-mail: wrss@mail.ucf.edu
Coordinator, Student Services, UCF Valencia West, UCF Valencia Osceola and UCF South Orlando Campuses: Carol Black; 407-582-5487
Coordinator, Student Services, UCF Sanford/Lake Mary Campus: TBA; 407-705-2471

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 programming and assistance to student organizations as well as provide various standardized test information.

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

The Registrar’s Office, with a commitment to quality service and leading edge technology, provides timely and accurate enrollment information and access for students, colleges and departments, effectively meets student administrative needs, ensures complete records management from registration through graduation and archived data stores. The office maintains the integrity of student permanent academic records and coordinates and enforces University policies and procedures campus-wide through cooperation, communication, and leadership. In addition, the Registrar’s Office is responsible for management and publication of course offerings, Undergraduate Advising Guide, the online Undergraduate Catalog, online Web Enrollment Guide, the efficient utilization of classroom resources, readmissions, SUS transient students, residency reclassifications, student veteran services, and Commencements.

Veteran Services
Assistant University Registrar: James Middlekauff; MH 161; 407-823-2707; http://www.va.ucf.edu

Veteran Services serves all veteran students and eligible dependents who are using VA educational benefits to further their education. The office provides information concerning entitlements, filing claims to the Department of Veterans Affairs (DVA), certifying enrollment at the University, and deferring tuition and fee payments. The office also provides related counseling for personal and academic concerns and referral to various community agencies. Veterans and eligible dependents must be certified through Veteran Services each term to receive VA educational benefits. The office monitors the academic progress of all those receiving 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.

Students eligible for VA educational benefits must certify each term with Veteran Services after they enroll for classes. To maintain eligibility for VA education benefits, students must adhere to the policies and procedures for VA educational benefits. A copy of the “Student Veteran Handbook” can be obtained on the GI Bill Web site (http://www.gibill.va.gov/).

UCF, being a member of SOC (Service Members Opportunity College), provides credit for various military training and education. Credit is awarded for regionally accredited schools and courses only. Transfer credit is not awarded for experience, military skills level and/or special certifications. Transfer credit is awarded per the recommendations of the American Council on Education (ACE) Guide, based upon courses and/or training listed on the DD Form 214, SMARTS, ARTS, or other official military record. U.S. Air Force veterans must coordinate with the Community College of the Air Force to provide official CCAF transcripts to the Undergraduate Admissions Office.

Students eligible for VA educational benefits may also be eligible for a VA deferral of tuition and fees. The VA Deferment Due date is contained in the “Academic Calendar.” Students eligible for financial aid adequate to cover tuition and fees are not eligible for this deferment.

For Fall and Spring semesters, undergraduates must carry at least 12 credit hours for full-time VA benefits. 9 to 11 credit hours for three-quarter time benefits, and 6 to 8 credit hours for half-time benefits. Five credit hours or less will be reimbursed at the cost of tuition and fees or quarter-time depending on VA Chapter. Check Veterans Services Web site for Summer term course load and other FAQs.
Students currently enrolled at UCF and another institution may receive VA educational benefits, but first must complete the appropriate Transient Form and consult with Veterans Services. Veterans and eligible dependents who 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. For students who fail to maintain satisfactory academic progress, benefits will be terminated once the required credit hours of course work for the program of study are completed, regardless of the GPA or eligibility for graduation. Veterans and eligible dependents also may draw VA benefits during the periods of eligibility while on Cooperative Education programs and services that enable UCF students to achieve their academic goals. Programs include: Supplemental Instruction, peer tutoring, academic advising, and academic success workshops.

The Supplemental Instruction (SI) program focuses on providing assistance to students in historically difficult courses such as anatomy, biology, chemistry, microbiology, and physics. These peer-led study sessions give students in these courses an opportunity to meet outside of class to compare notes, discuss important concepts, and develop strategies on how to learn the subject matter.

Free peer tutoring is also available for many UCF subject areas, such as accounting, physics, statistics, and biology, to name a few. In total, SARC provides individual and group tutoring for more than 250 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, the College Achievement Program (CAP) and Spring Admitted First-Time-In-College students.

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

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

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

To be eligible for disability-related accommodations, students must have a documented disability as defined by applicable federal and state laws. Accommodations are available to students whose disabilities 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 Documentaion Review form, to SDS. SDS staff will contact the student either to schedule an intake interview or request further documentation. Students must be registered with SDS to be eligible to receive academic accommodations. All information is confidential and will be used only to assist the student. A Text Telephone (TTY)/Telecommunication Device for the Deaf (TDD) is available for deaf/hard-of-hearing or speech-impaired persons with TTY/TDDs to contact Student Disability Services (TTY/TDD calls only phone 407-823-2116).

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

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

Student Government Association’s structure is modeled closely after the United States federal government system in that it contains three branches: executive, legislative, and judicial. The executive branch, comprised of the Student Body President, Vice President, and cabinet,
oversees the daily administrative operation of SGA. The legislative branch funds student organizations and also passes bills and resolutions 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 outlining how to become involved with SGA or how your student organization can receive funding, contact the Student Government Association office.

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

By offering a wide range of services designed to assist as well as educate students in resolving their disputes, the Office of Student Rights and Responsibilities (OSRR) combines Student Legal Services, Dispute Resolution Services, and the Office of Student Conduct. OSRR provides a forum that contributes to the individual growth and development of the student’s knowledge of community responsibilities, due process, conflict resolution skills, and university student conduct rules. Our resources are more effectively used by combining and utilizing 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
Coordinator: Patty Farris; FC 142; 407-823-3477 http://www.drs.sdes.ucf.edu

Dispute Resolution Services enhances the university community by offering mediation training and services directed at resolving interpersonal disputes 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. This service is available to the university community and is encouraged for those who determine whether a mediation is unsuccessful in resolving their differences. Mediation training is conducted several times each semester and is offered at two different levels: 1) a basic introduction to conflict resolution skills and mediation techniques session; and 2) an advanced mediation techniques session. Mediation services are provided to UCF students and faculty, and staff at no charge. Mediation training is provided to students at no charge, and to faculty and staff at a low cost. Dispute Resolution Services also offers educational workshops and outreach programs to foster understanding and promote harmony within the university community.

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

The Office of Student Conduct addresses 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 is a student-elected, peer panel that hears cases of alleged student misconduct. The board is comprised of five members representing the full student body. The board makes recommendations to the Student Conduct Board, which determines whether a student has violated the Rules of Conduct and recommends sanctions that may be imposed when a rules violation has been committed.

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

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

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

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

Transfer and Transition Services
Director: Charlene A. Stinard; PH 221; 407-823-2231 http://transfer.sdes.ucf.edu

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

- General advising and referral for transfer students before and after they enroll at UCF;
- Referral to DirectConnect advisors at partnering community colleges: Brevard, Lake Sumter, Seminole, and Valencia Community Colleges;
- Advising for transfer students who are undeclared majors, undeclared, or changing majors;
- Current information about university programs and policies including entrance and exit requirements;
- Advocacy and assistance in resolving transfer issues;
- Transition advising services for currently enrolled juniors and seniors who are undeclared or changing majors;
- Peer Mentors provide transfer advising services and connections to the campus community, including Transfer Knights club;
- Written articulation agreements and inter-institutional relationships between the University of Central Florida and secondary schools, community colleges or universities; and,
- Articulation workshops and conferences involving instructional, advising, and administrative personnel from the university, community colleges, and other institutions.

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

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

UTC administers the following national standardized examinations:

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

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

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

Associate Vice President: Gordon D. Chavis, Jr.;
Progress Energy University Welcome Center; 407-823-3000;
E-mail: admission@mail.ucf.edu;
http://www.admissions.ucf.edu

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

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

The office administers several programs for prospective students and parents, including daily tours and information sessions, open houses, area receptions for admitted students, and high school and community college visits by admission representatives. It also provides the opportunity to meet one-on-one with an admission representative on campus. Please visit our Web site for further information. Office hours are: Monday/Thursday 9:00 a.m. to 6:00 p.m., Tuesday/Wednesday/Friday 9:00 a.m. to 5:00 p.m.

Campus Visit Experience

Information sessions and campus tours are available through our “Campus Visit Experience”. All freshmen (First-Time-In-College: FTIC) and transfer prospective students and their families are encouraged to participate. The Campus Visit Experience, which includes both an information session and tour of the campus, begins at the University Welcome Center at 10:00 a.m. and 2:00 p.m., Monday through Friday, except holidays. Reservations can be made by visiting our Web site at http://www.admissions.ucf.edu. Group tours of up to 80 or special requests may be accommodated and can be requested by visiting our Web site.

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

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

Applications for admission can be submitted up to several months prior to the start of the term desired. The priority application deadlines are May 1 for the Fall semester (July 1 for Transfer students), November 1 for the Spring semester, and March 1 for the Summer term. The priority deadline for most financial assistance and scholarships is March 1. Information and an application for University housing can be found at http://www.housing.ucf.edu. Requests for housing are subsequently reviewed by date of the receipt of the housing application. The University encourages applications from qualified persons of both sexes, all ages, and from all cultural, racial, religious, and ethnic groups. The University does not discriminate on the basis of disability for admission.

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

Applicants must request that official transcripts from each educational institution attended be forwarded directly to the Undergraduate Admissions Office. To be considered official, all supporting admissions documents must be received directly from the issuing institution or testing agency. All final supporting documents (official transcripts and test scores) must be received by Undergraduate Admissions no later than 6 days after the first day of classes.

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

Those enrolled students who have not submitted official completed records by the deadline will be placed on administrative hold. Students with these incomplete records will not be permitted to register for a future term until all official transcripts and other required documentation have been received. If, upon review of final transcripts, student records are not satisfactory, they may be placed on academic probation, have their admission status revoked, changed to non-degree or transient status, may become ineligible for financial assistance, and may, in some cases, be withdrawn from the University. In addition to the required documentation mentioned above, students must have a satisfactory conduct record at all schools attended.

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

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

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

Admission Categories
Students may submit applications to the University for one of the following categories:
A. Freshman (First-Time-In-College: FTIC)
B. Dual Enrollment (includes early admission and dual enrollment, on- or off-campus)
C. Transfer
D. Seek Bachelor’s Degree
E. Transient (one term enrollment only, not from a Florida public university)
F. Limited Non-Degree Seeking

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

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

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

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

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

<table>
<thead>
<tr>
<th>Academic Subjects</th>
<th>Units Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>English (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, other groups, and courses recommended by the Articulation Committee</td>
<td>2</td>
</tr>
</tbody>
</table>

Total Units 18
Applicant Eligibility

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

If the High School GPA is: Minimum test scores must be:  
HS GPA SAT or ACT  
2.0 1680 25  
2.1 1620 24  
2.2 1560 24  
2.3 1510 23  
2.4 1450 22  
2.5 1400 21  
2.6 1400 21  
2.7 1400 21  
2.8 1400 21  
2.9 1390 20  
3.0 * *  

*No minimum score required.

Each State university reserves the right under DOE rule (6C6.002) to establish admission criteria that exceed DOE minimums.

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

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

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

- A student must have two years of one foreign language in high school or the equivalent (minimum eight credit hours) at the post-secondary level, to be offered admission.

Dual Enrollment Applicants

High School students who have demonstrated exceptional academic ability may be permitted to enroll as University students while completing their high school programs. There are three types of dual enrollment programs:

1. **Early Admission** is for students who have completed their junior year in high school and would like to enroll at the University as full-time students for their senior year of high school. Students must submit an application for admission by the published application deadline date. In addition, the following information is required:
   - official copy of high school transcript(s);
   - official copy of SAT Reasoning Test or ACT;
   - written letter of recommendation from high school counselor or school district permission form; and,
   - written permission from parents or legal guardian.

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

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

Transfer Applicants

UCF welcomes transfer applications to the University. Students should apply online at http://www.admissions.ucf.edu and arrange to have official transcripts sent from all colleges attended. The Undergraduate Admissions Office computes a grade point average (GPA) for each institution attended, as well as a cumulative GPA on all college courses attempted. This computation does recognize plus or minus grades effective Fall 2001, but only recognizes grade forgiveness when it is used as part of an awarded State articulated Associate in Science degree or an Associate in Arts degree from a Florida public community college, Florida public state college, or Florida public university. Applicants must have a current minimum GPA of 2.0, and must have a cumulative minimum GPA of 2.0 and be in good standing as a degree seeking student at the last institution attended to be considered for admission to UCF. Meeting these minimum requirements does not guarantee admission.

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

Transfer students are encouraged to review the current edition of UCF's "Transfer Counseling Manual" available in Florida public community college counseling offices. The manual provides the recommended community college 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 requirement prior to graduation. Florida Community College Associate in Arts graduates are guaranteed the following rights under the Statewide Articulation Agreement (State Board of Education Rule 6A-10.024):

1. Admission to one of the eleven state universities, except to "limited access" programs (programs that have additional admission requirements);
2. Acceptance of at least 60 credit hours by the state universities toward the baccalaureate degree;
Undergraduate Admissions

3. Transfer of equivalent courses under the statewide Course Numbering System;
4. Acceptance by the state universities of credit earned in accelerated programs (e.g., CLEP, AP, PEP, Dual Enrollment, Early Admission, and International Baccalaureate);
5. No additional General Education Core requirements;
6. Advanced knowledge of selection criteria for limited access programs; and
7. Equal opportunity with native university students to enter limited programs.

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

Transfer Applicants - More Than 60 Hours, Have Not Received an A.A. Degree From a Florida Public Institution
Undergraduate transfer applicants who desire to be admitted as upper division students must have met, at least, all of the following requirements:

- A minimum of a 2.0 GPA and 60 credit hours of academic course work;
- The English and Mathematics requirements of the Gordon Rule; and,
- A minimum of eight credit hours of college instruction in a single foreign language. This requirement applies to those students without the required two units of a single foreign language in high school.

Meeting these minimum requirements does not guarantee admission.

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

- Students who have never attended the University of Central Florida as degree seeking undergraduate students must apply to the Undergraduate Admissions Office. Students should complete the regular undergraduate admissions application.
- Students who have attended the University of Central Florida as a degree-seeking undergraduate student should apply through the Registrar's Office. These students complete the "Readmission Application" form.

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

Transient Student Applicants
A student in good standing with a minimum 2.0 GPA at the last regionally-accredited institution attended who desires to enroll for one term at UCF may be considered for admission as a transient student. Such enrollment terminates at the end of one term and does not presuppose regular admission to the University. A transient student must submit an official transcript from the last institution attended. Transient students must also be enrolled in courses that are not approved for credit by the appropriate application deadline. If a student's last school of attendance is a Florida public university, please refer to the "SUS Transient Students" section of this Undergraduate Catalog. Transient students are not eligible to receive financial aid. Registration is permitted on a space-available basis. Meeting minimum GPA requirements does not guarantee admission.

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

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

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

1. Students are required to provide evidence of their educational qualifications for attending classes in order to meet the intent of this enrollment classification;
2. Students who have been previously denied admission or disqualified for enrollment are not eligible;
3. Non-degree-seeking students are subject to the same rules and regulations as degree-seeking students;
4. Registration is permitted on a space-available basis;
5. A maximum of 15 undergraduate credit hours or 6 graduate credit hours may be earned as a limited non-degree seeking student;
6. International students may not register as non-degree-seeking since immigration regulations prevent foreign nationals from enrolling without admission to a degree or certificate program;
7. Limited Non-degree students are not eligible to receive financial aid or to participate in intercollegiate sports; and
8. Students must complete a Limited Non-Degree Seeking Status Registration Form.

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

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

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

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

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

Results of the TOEFL (Test of English as a Foreign Language) or IELTS (International English Language Testing System) may be required of students whose first language is not English. Information can be obtained from TOEFL, P.O. Box 6151, Princeton, New Jersey, 08541-6151 or IELTS, http://www.ielts.org/default.aspx.

Results of the SAT or ACT may be 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), P.O. Box 592, Princeton, NJ, 08540 or from ACT, P.O. Box 414, Iowa City, Iowa, 52243. While there are no specific minimum score requirements on these examinations for admission, they are used in conjunction with other required credentials, and students should prepare sufficiently to achieve the highest possible score on these exams.
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 Web site at http://www.hs.ucf.edu. 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 an 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 Web site 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 another 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. 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 Florida public community colleges or universities may satisfy the General Education Program requirements of UCF by completing the general education program prescribed by that institution. Transfer applicants with incomplete general education programs will have their credits evaluated on a course-by-course basis.

Credits From Private and Out-of-State Institutions

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

Credits From Military Service School Courses

Completed military service school courses may be evaluated on the basis of the recommendations of the American Council of Education (ACE) when official credentials have been properly presented. While credit may be granted when courses are equivalent to those offered by the University, recommendations by the ACE are not binding upon the University.

Military credit is not accepted through transfer unless used as part of an Associate in Arts degree from a Florida public community college. Even though military records may have been evaluated by another regionally-accredited institution, it is important to have official credentials sent to UCF for evaluation. Credit is not awarded for basic training.

Baccalaureate Honors

Transfer students should be aware that eligibility for graduation with baccalaureate honors requires the completion of a minimum of 48 credit hours at UCF and is based upon an overall grade point average. For more details, refer to “Academic Honors” within the “Academic Regulations and Procedures” section of this Undergraduate Catalog.
Office of Student Financial Assistance

Executive Director: Mary H. McKinney; MH 120; Switchboard: 407-823-2827; Appointment: 407-823-5285; Fax: 407-823-5241; E-mail: finaid@mail.ucf.edu http://finaid.ucf.edu

Office Hours:
Monday: 9:00 a.m. - 5:30 p.m.
Tuesday, Wednesday, Friday: 9:00 a.m. - 5:00 p.m.
Thursday: 1:00 p.m. - 5:30 p.m.
(Hours subject to change during holidays and semester breaks.)
The mission of the Office of Student Financial Assistance is to provide UCF students and the University community comprehensive quality service by offering options for financial assistance and efficient 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 Rights and Responsibilities
Students have the right to full information about the financial aid programs available at UCF, our application procedures and aid deadlines, and the criteria used to determine a financial aid package. Students have the right to appeal decisions made by the Office of Student Financial Assistance. Students have the right to equitable treatment of their financial assistance applications. Although each student’s case is analyzed individually, eligibility standards are applied uniformly without regard to race, gender, religion, creed, national origin, or physical handicap. All students’ records are confidential.

It is the student’s responsibility to review and understand all information and instructions, meet all deadlines, and provide all information and documentation accurately. Errors and omissions can cause delays and prevent students from receiving assistance. Misrepresentation is a violation of the law.

Student Eligibility
To receive aid from most federal and state financial aid programs, students must meet certain requirements. All students are encouraged to complete the Free Application for Federal Student Aid (FAFSA) annually, before March 1, to determine eligibility. The FAFSA results are required for many programs. The federal processor, using a standardized formula, calculates financial need. Those results are then forwarded to the schools that were identified on the 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)/Renewal FAFSA by mid-February. The processed results of the FAFSA must be received by UCF by March 1st to meet our application priority date.
- If the priority date is missed, students should apply as soon as possible after that date to be considered for the financial aid that is still available, such as the Federal Pell Grant, Federal Stafford Loan, and Federal PLUS Loan;
- Students should not wait to be admitted to UCF before applying for financial aid;
- Federal Pell Grants and Federal Stafford Loans are available on a year-round basis. Students may apply for financial aid in advance of any term and receive aid from these programs, if eligible;
- Students who apply for aid and whose file is completed after July 15th should not expect their aid to be paid until well after the beginning of the fall semester;
- A broad range of scholarships is available with diverse criteria. Please review the Scholarship Listing on the Web site for specific deadline dates for individual scholarships.

Application Procedures
- The FAFSA can be filed electronically at http://www.fafsa.ed.gov. A link is provided on the Web site and on myUCF.
- Messages from the federal processor should be reviewed 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.
Financial Aid Programs Available at UCF

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

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

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

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

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

Award Notification

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

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

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

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

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

Deferrals of Tuition and Fees

Financial aid awards will normally result in a deferment of tuition and 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
STUDENT FINANCIAL ASSISTANCE

Student Financial Assistance has provided his/her bank information to set up Direct Deposit on expenses, out-of-pocket, well into the term. When financial aid apply late for financial aid should be prepared to cover their own living expenses. The STA application supplies at the beginning of the term. The Short Term Advance 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/apply/sta.html. Students who apply late for financial aid should be prepared to cover their own living expenses, out-of-pocket, well into the term. When financial aid disbursements, the funds first apply towards university debts. Any remaining balance is refunded to the student one or two times. If a student has provided his/her bank information to set up Direct Deposit on myUCF, then the refund is deposited into the student’s bank account. Otherwise, a check is mailed to the student’s current mailing address listed on myUCF.

Satisfactory Academic Progress (SAP)

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

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

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


Re-establishing Eligibility after Cancellation

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

If the student was canceled for the failure to complete 70% of the attempted hours and since cancellation, he/she has brought up the percentage to a minimum of 70%, the student may appeal to the committee for reinstatement, at that time.

To appeal, the student must:

- Attach documentation that supports specific circumstance(s) to the appeal form; and,
- Submit the appeal and the supporting documentation to the Office of Student Financial Assistance.

After a thorough evaluation of the written request and all supporting documentation, the Financial Aid Review Committee will notify the student of the decision by e-mail communication or the student may view the updated status on myUCF, under View Financial Aid Status.

Transfer Students

Be informed. Not all financial aid programs are transferable and eligibility for some programs will be determined by UCF. The application process must be complete, pay close attention to priority filing dates.

If a FAFSA for the year in question has already been filed, request that the federal processor forward the information to UCF, Code 003954, utilizing Part II of the Student Aid Report, by adding the UCF School Code to the online FAFSA, or calling the Federal Student Aid Information Center at 1-800-4 FED AID. The To Do List on myUCF will indicate any required forms.

Independent Students

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

- you are 24 years of age or older by December 31 of the award year;
- you are married at the time the original FAFSA was filed for the award year;
- you are or will be enrolled in a master’s or doctoral program (beyond a bachelor’s degree) at the beginning of the academic year;
- you have children who receive more than half their support from you;
- you have dependents (other than your children or spouse) who live with you and who receive more than half their support from you and will continue to receive more than half their support from you through June 30th of the school year;
- you are currently serving on active duty in the U.S. Armed Forces for purposes other than training;
- you are a Veteran of the U.S. Armed Forces. (“Veteran” includes students who attended a U.S. Service Academy and who were released under a condition other than dishonorable.)
- at age 13 or older, both your parents were deceased, you were in foster care or you were a dependent/ward of the court;
- you are an emancipated minor as determined by a court in your state of legal residence;
- you are in legal guardianship as determined by a court in your state of legal residence;
- your high school or school district homeless liaison determined you were an unaccompanied youth who was homeless;
- you were determined, by the director of an emergency shelter program funded by the U.S. Department of Housing and Urban Development, to be an unaccompanied youth who was homeless; 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.

Identities of Students when Applicants to the University of Central Florida

<table>
<thead>
<tr>
<th>Classification</th>
<th>Undergraduate</th>
<th>Second Degree</th>
<th>Masters</th>
<th>Specialist Degree-Seeking</th>
<th>Doctor of Medicine</th>
</tr>
</thead>
<tbody>
<tr>
<td>All Freshman</td>
<td>Undergraduate</td>
<td>60 Attempted Hours</td>
<td>70 Attempted Hours</td>
<td>100 Attempted Hours (Including all Graduate Hours)</td>
<td>Students must maintain Satisfactory Academic Progress for continued enrollment in M.D. program and access to federal assistance programs.</td>
</tr>
<tr>
<td>Transfer Sophomores</td>
<td>Undergraduate</td>
<td>60 Attempted Hours</td>
<td>70 Attempted Hours</td>
<td>100 Attempted Hours (Including all Graduate Hours)</td>
<td>Students must maintain Satisfactory Academic Progress for continued enrollment in M.D. program and access to federal assistance programs.</td>
</tr>
<tr>
<td>Transfer Juniors</td>
<td>Undergraduate</td>
<td>60 Attempted Hours</td>
<td>70 Attempted Hours</td>
<td>100 Attempted Hours (Including all Graduate Hours)</td>
<td>Students must maintain Satisfactory Academic Progress for continued enrollment in M.D. program and access to federal assistance programs.</td>
</tr>
<tr>
<td>Transfer Seniors</td>
<td>Undergraduate</td>
<td>60 Attempted Hours</td>
<td>70 Attempted Hours</td>
<td>100 Attempted Hours (Including all Graduate Hours)</td>
<td>Students must maintain Satisfactory Academic Progress for continued enrollment in M.D. program and access to federal assistance programs.</td>
</tr>
</tbody>
</table>

Maximum UCF Hours Allowed For Completing Degree

- Undergraduate: 180 Attempted UCF Hours
- Transfer Sophomores: 135 Attempted UCF Hours
- Transfer Juniors: 90 Attempted UCF Hours
- Transfer Seniors: 45 Attempted UCF Hours
- Second Degree: 60 Attempted Hours
- Masters: 70 Attempted Hours
- Specialist Degree-Seeking: 100 Attempted Hours (Including all Graduate Hours)
- Doctor of Medicine: 120 Attempted Hours (Including all Graduate Hours)
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, confirming that the attempted hours are completed. This will help avoid academic progress problems. Students who expect to receive funds under any of the federal loan programs must enroll for a minimum of six undergraduate hours at UCF in UCF classes to meet eligibility requirements.

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

Over Awards
An over award occurs when a student’s award package has exceeded either the unmet need or Cost of Attendance, depending on the type of aid that has been awarded. To prevent over awards, it is extremely important to notify the Office of Student Financial Assistance of any potential awards not already listed on the student’s financial aid award summary on myUCF, Student Center. In the event of an over award, a student’s award package is reduced to eliminate the over award, which may result in a repayment of the over award.

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

Professional Judgment
The formula used to determine eligibility for federal student aid is basically the same for all applicants. However, in some cases, special circumstances may be taken into consideration. Students with extenuating circumstances should schedule an appointment to review the situation with a counselor. There must be a very good reason to make any adjustments and proof must be provided to support any adjustments.
### Student Tuition and Fees

#### Fee Payment Deadlines
- Courses that are added or dropped after initial registration are not mailed.
- Students must obtain a current Fee Invoice after initial registration and 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 level they are classified. Fees are subject to change without notice.

#### Other Fees: Resident and Non-resident
- **Distance Learning Course Fee (per hour)**: $18.00
- **UCF Campus Card Fee (per academic year)**: $10.00
- **Campus (ID) Card Replacement Fee**: $15.00
- **Material and Supply Fee (per term; approved courses only – varies per course)**: $5.00-$45.00
- **International Student Service Fee (per term)**: $50.00
- **Repeat Course Fee (per hour)**: $186.87
- **Equipment Fee (per term, for use of equipment)**: up to $90.00

#### Note:
- These fees are subject to change by action of the Board of Trustees.

#### Other Fees: Resident and Non-resident
- **Late Registration Fee (per term)**: $100.00
- **Late Payment Fee (per term)**: $100.00
- **Returned Check Fees**:
  - Check amounts up to $50.00: $25.00
  - Check amounts over $50.00 up to $300.00: $30.00
  - Check amounts over $300.00: $40.00 or 5%; whichever is greater

#### 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.

#### Note:
- 2010-2011 tuition and fees were not available at the time of this publication. Rates for the 2010-2011 academic year will be available in early July 2010.

#### Student Financial Responsibility Statement
- Registration at UCF requires students to acknowledge the following financial responsibility statement: “I accept responsibility for payment of my term tuition and fees by the published deadline. I understand that if I do not pay my tuition and fees or do not pay these fees by the due date, I may be charged a $100 Late Payment Fee, my records will be placed on hold, my account may be referred to a collection agency, and I may incur other financial consequences.”

#### Payment Procedures
- Payment must be received or postmarked no later than the fee payment deadline to be considered on time.

### 2009-2010 Fee Schedule*

<table>
<thead>
<tr>
<th>Fees Per Credit Hour</th>
<th>Undergraduate (0000-4999)</th>
<th>Graduate (5000-7999)</th>
<th>Undergraduate (0000-4999)</th>
<th>Graduate (5000-7999)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Tuition</strong></td>
<td>$88.59</td>
<td>$237.56</td>
<td>$88.59</td>
<td>$237.56</td>
</tr>
<tr>
<td><strong>Differential Tuition</strong></td>
<td>$8.41</td>
<td>0.00</td>
<td>$6.41</td>
<td>0.00</td>
</tr>
<tr>
<td><strong>Out-of-State</strong></td>
<td>0.00</td>
<td>0.00</td>
<td>$401.41</td>
<td>0.00</td>
</tr>
<tr>
<td><strong>Building Fee</strong></td>
<td>$2.32</td>
<td>$2.32</td>
<td>$2.32</td>
<td>$2.32</td>
</tr>
<tr>
<td><strong>Capital Improvement Fee</strong></td>
<td>$2.44</td>
<td>0.00</td>
<td>$2.44</td>
<td>0.00</td>
</tr>
<tr>
<td><strong>Financial Aid Fee</strong></td>
<td>$4.42</td>
<td>0.00</td>
<td>$4.42</td>
<td>0.00</td>
</tr>
<tr>
<td><strong>Non-Resident Financial Aid Fee</strong></td>
<td>0.00</td>
<td>0.00</td>
<td>$24.57</td>
<td>0.00</td>
</tr>
<tr>
<td><strong>Activity and Service Fee</strong></td>
<td>$10.64</td>
<td>$10.64</td>
<td>$10.64</td>
<td>$10.64</td>
</tr>
<tr>
<td><strong>Athletic Fee</strong></td>
<td>$12.68</td>
<td>$12.68</td>
<td>$12.68</td>
<td>$12.68</td>
</tr>
<tr>
<td><strong>Health Fee</strong></td>
<td>$8.99</td>
<td>$8.99</td>
<td>$8.99</td>
<td>$8.99</td>
</tr>
<tr>
<td><strong>Transportation Access Fee</strong></td>
<td>$7.94</td>
<td>0.00</td>
<td>$7.94</td>
<td>0.00</td>
</tr>
<tr>
<td><strong>Technology Fee</strong></td>
<td>$4.42</td>
<td>$11.87</td>
<td>$4.42</td>
<td>$11.87</td>
</tr>
<tr>
<td><strong>Total Per Hour Fees</strong></td>
<td>$150.85</td>
<td>$306.31</td>
<td>$666.83</td>
<td>$1099.01</td>
</tr>
</tbody>
</table>

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

### 2009-2010 Repeat Course Schedule*

<table>
<thead>
<tr>
<th>Fees Per Credit Hour</th>
<th>Undergraduate (0000-4999)</th>
<th>Graduate (5000-7999)</th>
<th>Undergraduate (0000-4999)</th>
<th>Graduate (5000-7999)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Tuition</strong></td>
<td>$88.59</td>
<td>0.00</td>
<td>$88.59</td>
<td>0.00</td>
</tr>
<tr>
<td><strong>Non-Resident Fee</strong></td>
<td>0.00</td>
<td>0.00</td>
<td>$401.41</td>
<td>0.00</td>
</tr>
<tr>
<td><strong>Building Fee</strong></td>
<td>$2.32</td>
<td>0.00</td>
<td>$2.32</td>
<td>0.00</td>
</tr>
<tr>
<td><strong>Capital Improvement Fee</strong></td>
<td>$2.44</td>
<td>0.00</td>
<td>$2.44</td>
<td>0.00</td>
</tr>
<tr>
<td><strong>Financial Aid Fee</strong></td>
<td>$4.42</td>
<td>0.00</td>
<td>$4.42</td>
<td>0.00</td>
</tr>
<tr>
<td><strong>Non-Resident Financial Aid Fee</strong></td>
<td>0.00</td>
<td>0.00</td>
<td>$24.57</td>
<td>0.00</td>
</tr>
<tr>
<td><strong>Activity and Service Fee</strong></td>
<td>$10.64</td>
<td>0.00</td>
<td>$10.64</td>
<td>0.00</td>
</tr>
<tr>
<td><strong>Athletic Fee</strong></td>
<td>$12.68</td>
<td>0.00</td>
<td>$12.68</td>
<td>0.00</td>
</tr>
<tr>
<td><strong>Health Fee</strong></td>
<td>$8.99</td>
<td>0.00</td>
<td>$8.99</td>
<td>0.00</td>
</tr>
<tr>
<td><strong>Transportation Access Fee</strong></td>
<td>$7.94</td>
<td>0.00</td>
<td>$7.94</td>
<td>0.00</td>
</tr>
<tr>
<td><strong>Technology Fee</strong></td>
<td>$4.42</td>
<td>0.00</td>
<td>$4.42</td>
<td>0.00</td>
</tr>
<tr>
<td><strong>Repeat Course Fee</strong></td>
<td>$186.87</td>
<td>0.00</td>
<td>$186.87</td>
<td>0.00</td>
</tr>
<tr>
<td><strong>Total Per Hour Fees</strong></td>
<td>$329.31</td>
<td>$0.00</td>
<td>$845.29</td>
<td>$0.00</td>
</tr>
</tbody>
</table>

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

### Schedule of Fees
- **Note:** 2010-2011 tuition and fees had not been established at the time of this publication. Rates for the 2010-2011 academic year will be available in early July 2010.
- Invoices are available 24/7 on the web at [http://www.my.ucf.edu](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 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](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 could result in the cancellation of all classes.

### 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 or withdraw from courses so as to avoid additional financial obligations.
Non-cash payments (checks and money orders) placed in the 24-Hour Depository by the official fee payment deadline will be considered on time. Payments cannot be transacted by telephone.

Acceptable forms of payment:
Cash (Main Cashier’s Office)
Checks
Credit cards
E-Pay — https://my.ucf.edu — E-Check or credit card — nonrefundable $10 convenience fee per transaction. Payments made at any time on the date of the published fee payment deadline will be considered on time.

Mail – Please do not send cash — Include the student’s name and PID on checks or money orders.

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

Payment Locations (refer to http://fa.ucf.edu for office hours):
Cashier’s Office - Main Campus - MH 110 - 407-823-2614
Cashier’s Office - Brevard Campus (BCC Cocoa Campus) - BLDG 11 Room 204 - 321-433-7615
Cashier’s Office - Daytona Beach Room 105 (no cash) - 386-506-4073
Cashier’s Office - Palm Bay Room 115 (no cash) - 321-433-5187/5188

24-Hour Depository - Millican Hall at Reflection Pond Entrance (no cash)
Cashier’s Office - Rosen College Campus Room 201A (no cash) - 407-903-8187

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

Other Forms of Payment
Tuition and fees may be partially or completely paid by financial aid, Florida Prepaid, tuition waivers, or departmental grants. The student is responsible to pay any amount that is not covered by these types of payments by the fee payment deadline as described under Payment Procedures.

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

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

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

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

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

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

Tuition and Fees for Senior Citizens
Persons 60 years of age or older who meet Florida residency requirements may register to audit classes on a space-available basis without payment of tuition and application fees. Registration is on a space-available basis; see the appropriate term’s Academic Calendar http://www.registrar.sdes.ucf.edu/calendar/academic/ for registration dates and times. The tuition fee waiver cannot be used for courses that require increased costs (such as thesis, dissertation, and directed individual study). A “Florida Residency” Affidavit is required to establish Florida residency. A completed “Student Health History” form must be filed prior to registration. Inquiries should be directed to the Registrar’s Office (MH 161; Telephone: 407-823-3100).

Refund of Fees
A refund of fees will be processed under the conditions noted below. The student must submit a written appeal for a refund or other appeal action to the University within six months of the close of the semester/ term in which the refund or other appeal action is desired. Any debts to the University will be deducted from the refund, up to the full amount.
Full Refund Eligibility
The following conditions allow a full refund: 1) A class is dropped by the end of the Drop period; 2) Cancellation of a course by the University; or 3) The student is denied admission for any reason to a course offered by the University.

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

Exceptional Circumstances
Refunds for exceptional circumstances are available upon an administrative withdrawal from one or more courses. Up to 100% of tuition and registration fees are refundable if due to circumstances determined by the University to be exceptional, including, but not limited to, sickness, death, involuntary call to military service, or University administrative error. If approved, a Late Withdrawal does not result in a refund of tuition and fees.

Direct Deposit
Students are strongly encouraged to establish direct deposit with the University. Direct Deposit prevents delays due to lost checks or change of address. All refunds from students’ accounts can be direct deposited to any U.S.A. bank of their choice. Funds are usually available within 24-48 hours after disbursement, and enrollment only takes a few minutes. To enroll, sign in at my.ucf.edu and click on Student Self Service. Go to the Student Accounts link, then click on Direct Deposit and follow the instructions.

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

Do not assume your registration will be canceled if you fail to pay fees or attend classes. Tuition deferrals, for example, will prevent class cancellation for non-payment. Payment guidelines for off-campus registration are contained on the off-campus registration form.

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

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

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

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

Florida Residency for Tuition Purposes
At University of Central Florida, three offices are responsible for the review of residency for tuition purposes under Florida Statute 1009.21 (formerly 240.1201) and Board of Regents chapter 6C-7.005. The offices of Undergraduate Admissions and Graduate Studies determine residency for all first-time-on-campus students; thereafter, the Registrar’s Office will review student requests for changes in residency for Undergraduate Students. The College of Graduate Studies will review student requests for changes in residency for graduate students. A first-time-on-campus student will be classified according to the information he or she includes on the application for admission, providing that no other information is available that calls into question the information contained on the application.

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

And
Have established a legal residence in this state and maintained that legal residence for 12 months immediately prior to the term in which they are seeking Florida resident classification. The student’s residence in Florida must be as a bona fide domicile rather than for the purpose of maintaining a 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 document must be dated at least one year prior to the first day of classes of the term for which resident status is sought). The following documents will be considered in determining legal residence:
   a. Declaration of Domicile (Note: the Declaration of Domicile will support a claim of residency for tuition purposes only after a period of 12 months from the date that the Clerk of the Court notes that the declaration was sworn and subscribed to them.)
   b. Proof of purchase of a home in Florida in which the student resides,
   c. Proof that the student has maintained residence in the state for the preceding year (e.g., rent receipts, employment records).

2. Documentation establishing bona fide domicile in Florida which is not temporary or merely incidental to enrollment in a Florida institution of higher education. The following documents will be considered evidence of domicile even though no one of these criteria, if taken alone, will be considered as conclusive evidence of domicile:
   a. Declaration of Domicile,
   b. Florida voter registration,
   c. Florida vehicle registration,
   d. Florida driver license,
   e. Proof of real property ownership in Florida (e.g., deed, tax receipts),
   f. Verification of permanent employment in Florida by the employer, employment records, or other employment-related documentation (e.g., W-2 paycheck receipts), other than for employment normally provided on a temporary basis to students or other temporary employment. The document must show 12 consecutive months of Florida employment prior to the first day of classes of the term for which the student requests Florida residency,
   g. Proof of membership in or affiliation with community or state organizations or significant connections to the State,
   h. Proof of continuous presence in Florida during periods when not enrolled as a student,
   i. Proof of former domicile in Florida and maintenance of significant connections while absent,
   j. Proof of reliance upon Florida sources of support,
   k. Proof of domicile in Florida of family,
   l. Proof of admission to a licensed practicing profession in Florida,
   m. Any other factors peculiar to the individual that tend to establish the necessary intent to make Florida a permanent home and that the individual is a bona fide Florida resident, including the age and general circumstances of the individual,
   n. Proof of graduation from a high school located in Florida.

3. No contrary evidence establishing residence elsewhere;
4. Documentation of dependent/independent status (notarized copy of most recent IRS tax return)
Office will review student requests for changes in residency for poses for all newly admitted students. Thereafter, the Registrar's Office will review student requests for changes in residency for graduate 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, University policy requires students requesting residency reclassification to provide documentation establishing that they have income or personal sources to meet financial obligations of attendance and living expenses. Contact the Registrar’s Office at 407-823-3100 for additional information regarding all residency reclassification requirements.

When building a case for Florida residency for tuition purposes, the student must submit documents from a variety of categories.

Students may consult the Registrar’s Office before submitting the reclassification request and supporting documents. The submission of documents in itself does not qualify the student for Florida residency for tuition purposes. The Registrar's Office will evaluate the submitted documents and available information and will render an eligibility determination. UCF is authorized to make discretionary judgments as to 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 evinces 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. Documentation received after the last day of “Late Registration and Add period” will not be used to determine residency for the current term. Approved residency reclassification will not be applied retroactively to previous terms.

The Registrar’s Office or Graduate Studies may require additional documentation beyond that initially submitted by the student or the claimant before it can render a reclassification eligibility 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.
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, IB and CLEP credit
   c. An awareness of expectations for success at UCF; and,
   d. Information about key academic policies and important deadlines.

2. Connect with their first year advising office according to the following designated priority order:
   a. First Year Advising and Exploration (FYAE) - for first year students in the EXCEL, Explorations Living Learning Community, STEP, and the Out of State Student Mentoring (OSSM) Living Learning Community programs and those not in a special population listed below (PH 116)
   b. Academic Services for Student-Athletes (ASSA) - for student athletes (WDSC 110)
   c. Student Academic Resource Center (SARC) - for participants in the College Achievement Program (CAP) or Pegasus Success Program (PH 113)
   d. Multicultural Academic and Support Services (MASS) - for all students in the SOAR program (PH 102)

3. Sophomore and Second Year Center (SSYC) - for freshman students entering UCF with 45 or more college credits earned through accelerated mechanisms from AP, IB, CLEP, and/or dual enrollment courses (PH 215)

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

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

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

The Burnett Honors College

New students will:

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

Continuing students will:

1. Contact the department of their major and meet with their advisor in the department during the first two months of any semester to review progress and plan a program of study;
2. Meet with their advisor in the department of their major prior to registration;
3. Contact the Office of Honors Advising (BHC 107) and based on the recommendation from their academic advisor and the requirements for University Honors, an Honors Advisor will assist with Honors course selection;
4. Continue to register for classes online;
5. Check their “Fee Invoices/Schedule” to ensure accuracy of class schedule; and,
6. Attend any mandatory Honors advising appointments.

College of Arts and Humanities

Majors within the College of Arts and Humanities should meet with their major/minor advisor concerning major/minor requirements and with an advisor in CAHSA regarding all other issues. CAHSA is located in Colbourn Hall (CNH) room 202 and advisors can be reached by phone at 407-823-3312 or via e-mail at cahsa@mail.ucf.edu. Students can also access CAHSA’s Web site at: http://www.cahsa.ucf.edu

New students will:

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

Continuing students will:

1. Meet with their major and/or minor advisor in the department to review academic progress and plan a program of study for subsequent semesters. Review this plan each term with their major/minor advisor and prior to registration;
2. Access their Degree Audit at least every term and understand all degree requirements;
3. Refer any questions pertaining to university credit hour requirements and college/university policies and procedures to CAHSA.
4. All questions pertaining to major/minor requirements should be directed to the department advisor in the major/minor program; and
5. Meet with their major/minor advisor to conduct a graduation review of major/minor requirements in the semester prior to the intended semester of graduation. After seeing the major/minor advisor and in the semester prior to the term of graduation, eligible students will receive an e-mail from CAHSA indicating how to file their “Intent to Graduate” forms and in order to conduct a graduation review. Please refer to the academic calendar for the deadline to file your Intent to Graduate.
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 with an academic advisor in the Office of Undergraduate Student Support (USS; BA2 101) during the first enrolled term to petition any relevant transfer work into their degree program;
2. 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;
3. Be advised in the USS if the major is Business Pending and the student is classified as at least Sophomore standing.

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

College of Education

New students will:
1. Meet with 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 Office of Student Affairs (ED 110) if their major is Education Pending or in Elementary Education; Academic advising sessions may be scheduled by calling 407-823-3723 or 407-823-5369; and,
3. Be assigned to an academic advisor in the area of their major upon completion of College of Education admission requirements. The academic advisor's name and telephone number appear on the Degree Audit to assist students in making an advising appointment.

Continuing students will:
1. Set up an appointment with an academic advisor if accepted in a major or the Office of Student Affairs, if a "pending major", to review academic advising 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 all changes to their schedules by the end of the published Add period; and,
3. File an "Intent to Graduate" on-line by the end of the term prior to the term in which graduation is intended.

College of Engineering and Computer Science

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

Continuing students will:
1. Meet with an advisor in the CECS Academic Affairs Office or the department of their major during each term. Computer Science majors will be assigned a faculty advisor once they have passed the Computer Science Foundation Exam. Until that time, Computer Science majors will be advised by the CECS Academic Affairs Office or Computer Science Undergraduate Advising Office in HEC 246;
2. Set up an appointment with an advisor to review your academic progress and to develop an academic plan. Review this plan each term with the advisor prior to registration;
3. Use the flow diagram or four year plan received during Orientation to progress through the degree requirements;
4. View a Degree Audit, the registration time, and search for classes (once the class schedule is available) through myUCF at https://my.ucf.edu;
5. Register at the scheduled appointment time in myUCF, or in person in the CECS Academic Affairs Office (AAO). Complete all schedule changes by the end of the published Add period;
6. Submit a written schedule plan signed by their AAO advisor each term if you have been placed on an advising advisement hold. This plan must be submitted in person 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 group settings during Orientation to:
1. Discuss degree program requirements;
2. Understand career options of the major program of study;
3. Plan an appropriate first semester class schedule; and,
4. Meet with an advisor in COHPA Undergraduate Student Services during the first few months of the first term to be advised toward the major.

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

College of Medicine

Burnett School of Biomedical Sciences

New students will:
Meet with the Office of Student Services and Advisement (OSSA) advisors in group settings during Orientation to:
1. Discuss degree program requirements;
2. Understand career options of the major program of study; and
3. Plan an appropriate first semester class schedule.

Continuing students will:
1. Meet with an advisor in the Office of Student Services and Advisement (OSSA) in HPA2, room 335 every semester to check progress toward graduation and selection of program courses;
2. See their faculty advisor each semester to check on possible career and research opportunities; and
Pre-Health Professions Advisement

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

Pre-Health Professional Planning

Preprofessional advisement deals primarily with application and admission procedures to professional schools.

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

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

Each student is urged to carefully select a degree-granting major. This will not only allow one to become more competitive for admission, but also to prepare for an alternate career in the event admission to a professional school is denied. Any degree-granting program may be selected as a major; however, the science majors generally lend themselves most adequately to pre-health professions preparation as their curricula includes many courses required for admission to most professional schools.

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

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

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

Curricula Guidelines

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

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

- **General Biological Sciences**
- **Genetics**
- **General Chemistry**
- **Organic Chemistry**
- **Biochemistry**
- **Biochemistry/Molecular Lab**
- **Microbiology**
- **Calculus**
- **Physics**
- **Statistics**

Specific courses include:
- BSC 2010C, 2011C
- PCB 3063
- CHM 2045C, 2046, 2046L
- CHM 2210, 2211, 2211L
- BCH 4053
- BCH 4103L or BSC 3403C
- MCB 3020C
- MAC 2253 (prefer MAC 2311, 2312
- PHY 2053C, 2054C or PHY 2048, 2049
- STA 2023

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

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

**Dates of Importance**

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

All students should be aware of registration deadlines and test dates for their specific admissions exam (DAT, MCAT, OAT, GRE, etc.).

In addition, most four-year health professions schools subscribe to professional application services (AMCAS, ADDASAS, ACOMAS, etc.), thus require completion of a thorough application packet 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 still appropriate.
3. Access the class schedule and Degree Audit online at https://my.ucf.edu;
4. Register for classes through https://my.ucf.edu. Special assisted registration (e.g., overrides, independent study, thesis) for COS courses must be handled in COSAS;
5. Refer to COSAS any questions pertaining to the Degree Audit regarding GEP, CLEP, AP, credit, Gordon Rule, university credit hour requirements, as well as policies and procedures. Questions about major requirements in the Degree Audit should be directed to the department; and,
6. Check their “Fee Invoices” to ensure accuracy of their class schedule.
Graduating students will:
1. Do all of the following steps during the term prior to your term of graduation:
2. Review the COS graduation instructions available at http://undergrad.cos.ucf.edu/current/graduation.php (click on graduation tab);
3. Schedule and attend a graduation review appointment with a COSAS advisor; and,
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 in an individual setting during Orientation to discuss policies and procedures, degree program requirements and tracks, and plan an appropriate first semester class schedule;
2. Schedule a meeting with a member of the Interdisciplinary Studies Advising Team (Classroom I - Suite 302) to officially declare their major and create an individual plan of study;
3. Meet with an advisor in the department of their minor to review the minor’s program requirements;
4. Refer to Academic Services any questions pertaining to general education requirements, AP and CLEP credit, Gordon Rule, and other policies and procedures as appropriate; and,
5. Register for classes online.

Continuing students will:
1. Meet with a member of the Interdisciplinary Studies Advising Team prior to registration and/or before the beginning of each term to review progress and 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 end of the term prior to the term in which graduation will occur; and,
5. Check their Fee Invoices to ensure accuracy of their class schedule.

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

Continuing students should:
1. See a Faculty Advisor for assistance with selecting a concentration of study;
2. See a Program Advisor prior to registration to select courses and to make sure you are on track for graduation;
3. View a Degree Audit through myUCF and contact a program advisor in the Office of Student Services regarding questions or concerns; and,
4. File an “Intent to Graduate” online through myUCF by the end of the term prior to the term in which you plan to graduate.

Regional Campus System
New transfer students are given the opportunity to meet with a Professional or Faculty Advisor prior to applying to UCF and at any time while enrolled to discuss programs and requirements. Students are asked to meet in a pre-advising session prior to Orientation to determine if the student is a Regional Campus or Orlando Campus student. Orlando Campus students are asked to attend Orientation on the Orlando Campus with the College of their choice. Regional Campus students are required to attend Orientation on the Regional Campuses they plan to attend. The student will receive:
1. Information about the degree programs offered at the Regional Campus;
2. An understanding of the career options associated with their major program of study; and,
3. An appropriate program of study along with the first term class schedule.

Regional Campus students have several opportunities to obtain academic advising which begins as co-advising with the Community College in the DirectConnect to UCF program and continues with the Professional Advisors available at the Regional Campuses. 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 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.
Transfer and Transition Services

Director: Charlene A. Stinard; PH 221; Orlando, FL 32816-0123
407-823-5959; Fax: 407-823-3955; E-mail: tservices@mail.ucf.edu
http://transfer.sdes.ucf.edu

The following section presents information to help students accomplish a smooth and efficient transfer to UCF. Students transferring with an A.A. from a Florida public community college or state university are guaranteed certain rights and privileges according to the statewide Articulation Agreement. Students transferring without an A.A. from a Florida public institution will want to pay particular attention to UCF’s general education program and how their transfer credits apply to their degree requirements.

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

Where Can I Go For Help?

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

Transfer and Transition Services provides the following services and resources:

- Accurate and current information about university programs and policies including entrance and exit requirements, as well as information concerning:
- General advising for transfer students before and after they enroll at UCF
- Pre-admission academic advising for students applying to UCF
- Advising for students who are 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
- Web site for transfer students (http://transfer.sdes.ucf.edu)
- Transfer Knights social club; Tau Sigma Transfer Honor Society
- Orientation advising and assistance
- Written articulation agreements between UCF and other universities and colleges

How Can a Community College Counselor or Advisor Help Me?

It is important that you are kept informed of all requirements for transferring to UCF. Community college counselors and advisors are provided with information and resources about the requirements to enter each program at UCF. They can help you determine which classes you need to complete before transferring. Additionally, they have access to information for limited access majors that have special requirements: application deadlines, GPA, testing, portfolios, letters of recommendation, etc.

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

Why Should I Complete My A.A. Before Transferring From a Florida Public Institution?

Receiving your A.A. from a Florida public institution ensures special benefits guaranteed under the statewide Articulation Agreement. The following are some of the advantages of receiving your A.A.:

- Priority in admission to state universities;
- Acceptance of at least 60 credit hours toward the baccalaureate degree; no additional general education core requirements;
- Acceptance of all courses taken at your institution, if the same course with the same course number is offered at UCF;
- Transfer of all accelerated programs (CLEP, AP, IB, early admission, and dual enrollment courses) within the A.A.; official test scores must be sent to receive UCF course credit;
- Advance knowledge of selection criteria for limited access programs; equal opportunity with UCF native students to enter limited access programs; and,
- All grade forgiveness awarded under the A.A. will be honored.

If you do not complete an A.A. at a Florida public community college or university, you must complete UCF’s general education requirements, which may be considerably different from your previous institution’s requirements. In addition, no grade forgiveness will be honored. All attempted credits will be averaged into your GPA for admission purposes. If you have met all the A.A. requirements except the CLAS, you should have “General Education Requirements Met” placed on your transcript to assure getting credit for meeting General Education
and Gordon Rule requirements. Without this statement you must satisfy UCF’s general education requirements and Gordon Rule courses. If your grade point average falls below a 2.0 (without grade forgiveness), you will not be admitted.

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

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

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

What Are the Foreign Language Requirements?
Admission Requirement: To be admitted you should complete two years of the same foreign language or American Sign Language in high school (document by submitting an official high school transcript), or 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 Undergraduate Catalog for graduation requirements for specific majors. High school courses will not satisfy graduation foreign language requirements. International students required to provide TOEFL scores for admission are considered to have satisfied the graduation requirement.

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

Common Program Prerequisites: To view generic course substitutions for Common Program Prerequisites that may be offered at the community colleges or other state universities, please go to: http://www.facts.org > College Students > Transferring > Common

### Transfer Checklist

| Before Completing the A.A. or Articulated A.S. | Y___ N___ | met with a DirectConnect advisor |
| | Y___ N___ | met with counselor or advisor for graduation check |
| | Y___ N___ | completed application for graduation |

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<td><strong>/</strong>/__</td>
<td>date submitted</td>
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<td></td>
<td><strong>/</strong>/__</td>
<td>date of acceptance</td>
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<td>(original transcript from all institutions attended)</td>
<td>Y___ N___</td>
<td>transcripts sent from all current and prior institutions</td>
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<td></td>
<td>Y___ N___</td>
<td>date final transcript sent after term completed</td>
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<td>date financial aid application (FAFSA) sent</td>
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<td><strong>/</strong>/__</td>
<td>date SCHOLARSHIP application sent</td>
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<td>reviewed OCSS handbook: Survival Guide for Living off Campus</td>
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<td><strong>/</strong>/__</td>
<td>date application sent (include deposit when required)</td>
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<td><strong>/</strong>/__</td>
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<th>Foreign Language Requirements (Admission)</th>
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<td>Y___ N___</td>
<td>2 years/units earned in high school</td>
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<td></td>
<td>Y___ N___</td>
<td>8-10 credits earned at the college level</td>
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<td></td>
<td>Y___ N___</td>
<td>credits to be taken at the university</td>
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Note: Although American Sign Language may be used to satisfy the UCF admission requirement, it may not satisfy graduation requirements of the specific major.

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<tr>
<th>Program (Major) Requirements</th>
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<td>submitted limited access application</td>
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<td>met grade point average (GPA) requirements</td>
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<td>Y___ N___</td>
<td>met cumulative GPA for admission to program of study</td>
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<td>Y___ N___</td>
<td>met cumulative GPA in courses taken for program of study</td>
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<td>met grade requirements for designated courses</td>
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<td></td>
<td>Y___ N___</td>
<td>met audition/portfolio/additional admission requirements</td>
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<td></td>
<td>Y___ N___</td>
<td>completed CLAS requirements</td>
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</thead>
<tbody>
<tr>
<td></td>
<td><strong>/</strong>/__</td>
<td>Orientation date at UCF</td>
</tr>
</tbody>
</table>
Transfer and Transition Services

Prerequisite Manual. Usually these courses will be substituted automatically in your audit to fulfill the correct requirement.

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

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

When Do I Pay My Bill?

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

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

Can Transfer Students Participate in The Burnett Honors College?

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

Transfer Tips:

Office Visits for Transfer Advising

Students are encouraged to contact Transfer and Transition Services with questions or to schedule an appointment to meet with an advisor. Advisors are available Monday and Thursday, 8:30 a.m. to 5:30 p.m., Tuesday, Wednesday, and Friday 8:30 a.m. to 4:30 p.m.

Transfer students accepted to UCF who are undeclared majors or are undecided about their major should contact Transfer and Transition Services prior to Orientation for advisement.

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

Students should:

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

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

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

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

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

Complete CLAS if possible; however, you can be admitted without it. Since the A.A. is not awarded without completion of CLAS, privileges provided by the A.A. are not granted (i.e., grade forgiveness, Gordon Rule, and the completion of general education requirements). Without completion of CLAS, but with all general education courses completed, you should request the following statement placed on your transcript: “General Education Requirements Met.” Without this statement, you must satisfy UCF’s general education requirements (including Gordon Rule courses).

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

Requirements for Graduation
Students must fulfill both the requirements for a major and University requirements to receive a bachelor’s degree from the University of Central Florida. The student must:

- Fulfill the requirements for the chosen major;
- Earn a minimum of 120 unduplicated credit hours with at least a “C” average (2.0 GPA) for all UCF course work attempted. Some majors require more than 120 hours;
- Earn at least 48 of these 120 credit hours in 3000-level courses or above (upper-division);
- Earn a minimum of 30 of their last 39 hours in regular courses at UCF. Credit by Examination may not be used to satisfy this requirement;
- Earn a minimum of 25% of the total hours required for the degree in residence at UCF. For programs that require the completion 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 CLAST requirement;
- Earn a minimum of nine credit hours during Summer terms, if applicable; and,
- Be registered at UCF during the semester of graduation.

Degrees Awarded Posthumously
Students will be considered for posthumous degrees by the Commencement and Convocations Committee if they are in good academic standing at the time of their death, have a 2.0 GPA or better and are within at least 15 credit hours of completion of all requirements or are in the final term of completion of all their requirements.

Choice of Catalog (Catalog Year) and Continuous Enrollment
A student must graduate under the provisions of any UCF Undergraduate Catalog in effect since the student began continuous enrollment at UCF. New Catalog policies and requirements take effect with the Summer term. A student transferring from Florida public community colleges, state colleges, or state universities may use 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 needed to engage in those pursuits, to develop their ability to think critically, and to prepare them for life-long learning. The GEP curriculum provides students with the intellectual, ethical, and aesthetic foundations necessary to make informed choices; to accept the responsibilities of working and living in a rapidly changing world; and to lead a productive and satisfying life.

Courses that fulfill the General Education Program requirements are specified, but in some cases, alternate courses in the same discipline may be substituted for GEP requirements. These alternate courses, approved by the Faculty Senate Undergraduate Common Program Oversight Committee, are listed in the section identified as “Alternate Courses: General Education Program.” Students should consult with an advisor before enrolling in an alternate course. Undergraduate students who have not completed requirements for the Associate of Arts degree and who desire to transfer to another Florida public university can have their transcripts indicate “General Education Requirements Met” upon written request, if they have completed UCF’s GEP requirements with a GPA of 2.0 or better. UCF will accept a similar statement on transcripts received from Florida public community colleges and universities in lieu of completion of the University’s General Education Program. Students enrolled in courses that use the “NC” grade must earn a grade of “C-” (1.75) or better.

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. 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

<table>
<thead>
<tr>
<th>Degree Requirement</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>General Education Program (GEP) Courses</strong></td>
<td>(36 credit hours required) (Some majors require a specific course or a higher level course in some areas. Consult your major requirements and advisor.)</td>
</tr>
<tr>
<td><strong>Satisfactorily complete one course in each of the twelve numbered areas:</strong></td>
<td>36 hours</td>
</tr>
<tr>
<td><strong>A. Communication Foundation</strong></td>
<td>9 hours</td>
</tr>
</tbody>
</table>
| 1. ENC 1101 | Composition I 
2. ENC 1102 | Composition II PR: ENC 1101  
3. SPC 1608 | Fundamentals of Oral Communication  
4. SPC 1603 | Fundamentals of Technical Presentation  
5. COM 1000 | Introduction to Communication  |
| **B. Cultural and Historical Foundation** | 9 hours |
| 1. EUH 2000 | Western Civilization I  
2. EUH 2001 | Western Civilization II  
3. HUM 2210 | Humanistic Tradition I  
4. HUM 2230 | Humanistic Tradition II  
5. AMH 2010 | U.S. History: 1492-1877  
6. AMH 2020 | U.S. History: 1877-present  
7. WOH 2012 | World Civilization I  
8. WOH 2022 | World Civilization II  |
| **C. Mathematical Foundation** | 6 hours |
| 1. MAC 1105 | College Algebra  
2. MGF 1106 | Finite Mathematics  
3. CGS 1060C | Intro to Computer Science  
4. STA 1060C | Basic Statistics using Microsoft Excel  
5. STA 2014C | Principles of Statistics  |
| **D. Social Foundation** | 6 hours |
| 1. ECO 2013 | Principles of Macroeconomics  
2. ECO 2051 | Principles of Microeconomics  
3. POS 2041 | American National Government  
4. PSY 2012 | Introduction to Psychological Science  
5. SYG 2000 | Introduction to Sociology  
6. ANT 2000 | General Anthropology  |
| **E. Science Foundation** | 6 hours |
| 1. AST 2002 | Astronomy  
2. PSC 1121* | Physical Science PR: MAC 1105 or MGF 1106  
3. PHY 2053C | College Physics I: MAC 1105 and MAC 1114  
4. CHM 1020 | Concepts in Chemistry PR: High School Algebra  |
| 2. BSC 1005* | Biological Principles  
3. BSC 1050* | Biology and Environment  
4. GLL 3303 | Geology & Its Applications  
5. GEO 2050* | U.S. History: 1877-present  
6. ANW 2510 | Human Species  
7. MCB 1310 | Intro to Biotechnology and Genetic Engineering  |

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

- Demonstrate an ability to assess the extent to which claims presented as “scientific” satisfy the empirical character of scientific explanations.
- Demonstrate understanding of scientific knowledge and problem solving in a physical or life science.

### Substitution of Courses: General Education Program and Other Requirements

The student degree audit system is coordinated by the Office of Academic Services for the evaluation of transfer courses for the University’s General Education Program and Foreign Language Proficiency requirements. When the transfer course work is entered into the UCF computer system (usually during the first semester at UCF), course descriptions and other information to provide a sufficient basis for evaluation may be requested. Courses are evaluated on the basis of equivalency with the content of the courses required by the University. The evaluation conducted is entered into a computerized Degree Audit system and then is available to the colleges and departments through the University’s computer network and for the student online access through myUCF at https://my.ucf.edu. Appeals of transfer credit decisions should be directed to Academic Services (MH 210). Substitution requests for college or major requirements are processed within those administrative offices.

### Alternate Courses:

#### General Education Program

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

**GEP Requirement**

<table>
<thead>
<tr>
<th>Acceptable Substitutions</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 1105 (College Algebra)</td>
</tr>
<tr>
<td>MGF 1106 (Finite Mathematics)</td>
</tr>
<tr>
<td>PHY 2053C (Physics)</td>
</tr>
<tr>
<td>CHM 1020 (Chemistry)</td>
</tr>
<tr>
<td>STA 1060C (Statistics)</td>
</tr>
<tr>
<td>THE 2000 (Theatre)</td>
</tr>
<tr>
<td>FIL 1000 (Film)</td>
</tr>
<tr>
<td>MUL 1020 (Enjoyment of Music)</td>
</tr>
<tr>
<td>MUL 2016, MUL 2720</td>
</tr>
</tbody>
</table>

*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 General Education 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 2020 | World Literature II |

**Other Courses:**

| AMH 3422 | Frontier Florida |
3. The Testing Administrator of the University Testing Center will require the Foreign Language Proficiency Examination throughout each term. Students must register in advance with that office to take the examination (PH 106).

4. The foreign language proficiency requirement does not apply to students seeking a second baccalaureate degree.

5. A student who is required and furnishes a passing TOEFL (Test of English as a Foreign Language) score for admission to the University is considered to have satisfied the requirements.

American Sign Language

Students pursuing a Bachelor of Arts Degree may substitute American Sign Language for the foreign language exit requirement, except where one or more foreign languages have been specified by a college, school, or program for a specific degree (see individual degree program listings for more information). Proficiency is met either by successful completion of ASL 4161C (previously numbered SPA 4614C) or an appropriate score on the ASL proficiency exam. Contact the Department of Communication Sciences and Disorders regarding the proficiency examination.

SUS Foreign Language Admission Requirement

Students who have not satisfied the Foreign Language Admission Requirement (two high school units in the same language) at the time they are admitted to the University must satisfy this requirement prior to graduation. This requirement applies to all undergraduates and is separate from the UCF Foreign Language proficiency requirement.

The Gordon Rule

The “Gordon Rule” (State Rule 6A-10.30) applies to students who first enrolled in any college or university after October 1982. The rule requires students to complete four courses (twelve credit hours) of writing and to complete two courses (six credit hours) of mathematics at the level of college algebra or higher. Each course must be completed with a minimum grade of C- (1.75).

UCF courses that are required by the General Education Program also may be used to satisfy the Gordon Rule. “Gordon Rule” requirements may be satisfied by the General Education Program as follows:

Gordon Rule Requirement:

1. Six hours of mathematics at the level of college algebra or higher. Each course must be completed with a minimum grade of C- (1.75).

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 coursework with significant college level writing

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 US History: 1492 - 1877
- AMH 3402 History of the South to 1865
- AMH 3403 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 4150 Jacksonian America
- AMH 4201 The Gilded Age and Progressivism
- AMH 4270 United States History: 1939-1960
- AML 3031 American Literature I
- AML 3032 American Literature II
- AML 3283 Contemporary American Women’s Fiction
## Undergraduate Degree Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>AML 3286</td>
<td>Early American Women's Words</td>
<td>HUM 3460</td>
<td>Latin American Humanities</td>
</tr>
<tr>
<td>AML 3614</td>
<td>Topics in African-American Literature</td>
<td>HUM 3553</td>
<td>Moses, Jesus, and Muhammad</td>
</tr>
<tr>
<td>AML 3815</td>
<td>Harlem, Haiti, and Havana</td>
<td>JOU 2100C</td>
<td>News Reporting</td>
</tr>
<tr>
<td>AML 3843</td>
<td>Contemporary American Prose and Poetry</td>
<td>JOU 3101</td>
<td>Advanced Reporting</td>
</tr>
<tr>
<td>AML 3862</td>
<td>Ethnic Literature in America</td>
<td>JOU 4181</td>
<td>Public Affairs Reporting</td>
</tr>
<tr>
<td>AML 3862H</td>
<td>Honors Ethnic Literature in America</td>
<td>JOU 4300</td>
<td>Feature Writing</td>
</tr>
<tr>
<td>AML 4101</td>
<td>American Novel</td>
<td>JOU 4306C</td>
<td>Critical Writing</td>
</tr>
<tr>
<td>AML 4153</td>
<td>American Poetry at Mid-Century</td>
<td>JOU 4308</td>
<td>Freelance Writing</td>
</tr>
<tr>
<td>AML 4155</td>
<td>Modern American Poetry</td>
<td>LAH 3200</td>
<td>Latin American History II</td>
</tr>
<tr>
<td>AML 4261</td>
<td>Literature of the South</td>
<td>LAH 3400</td>
<td>History of Mexico and Central America</td>
</tr>
<tr>
<td>AML 4265</td>
<td>Florida Writers</td>
<td>LAH 3470</td>
<td>History of the Caribbean</td>
</tr>
<tr>
<td>AML 4300</td>
<td>Major American Authors</td>
<td>LIT 2000</td>
<td>Introduction to Literary Interpretation</td>
</tr>
<tr>
<td>AML 4304</td>
<td>Whitman and His Heirs</td>
<td>LIT 2120H</td>
<td>Honors World Literature II</td>
</tr>
<tr>
<td>AML 4321</td>
<td>Modern American Literature</td>
<td>LIT 3082</td>
<td>Continental European Fiction Since 1900</td>
</tr>
<tr>
<td>AML 4630</td>
<td>Latino/Latina Literature</td>
<td>LIT 3192</td>
<td>Caribbean Literature</td>
</tr>
<tr>
<td>ANT 3183</td>
<td>Mesoamerican Archaeology</td>
<td>LIT 3192H</td>
<td>Honors Caribbean Literature</td>
</tr>
<tr>
<td>ARH 4450</td>
<td>20th Century Art</td>
<td>LIT 3202</td>
<td>Death and Dying</td>
</tr>
<tr>
<td>ARH 4800</td>
<td>Theory and Criticism of the Visual Arts</td>
<td>LIT 3313</td>
<td>Science Fiction Literature</td>
</tr>
<tr>
<td>DAN 3194</td>
<td>Dance History I</td>
<td>LIT 3313H</td>
<td>Honors Science Fiction Literature</td>
</tr>
<tr>
<td>EAS 4700C</td>
<td>Aerospace Design I</td>
<td>LIT 3381</td>
<td>Women Writers of Color</td>
</tr>
<tr>
<td>EAS 4700C</td>
<td>Interdisciplinary Design I</td>
<td>LIT 3383</td>
<td>Women in Literature</td>
</tr>
<tr>
<td>EML 4501C</td>
<td>Engineering Design I</td>
<td>LIT 3383H</td>
<td>Honors Women in Literature</td>
</tr>
<tr>
<td>ENC 1101H</td>
<td>Honors Freshman Composition I</td>
<td>LIT 3394</td>
<td>Literature of AIDS</td>
</tr>
<tr>
<td>ENC 1102H</td>
<td>Honors Freshman Composition II</td>
<td>LIT 3394H</td>
<td>Honors Literature of AIDS</td>
</tr>
<tr>
<td>ENC 2127</td>
<td>Grammar and Composition</td>
<td>LIT 3482</td>
<td>Literature and Popular Culture</td>
</tr>
<tr>
<td>ENC 2210</td>
<td>Writing for the Business Professional</td>
<td>LIT 3505</td>
<td>Directed Experience in Literature</td>
</tr>
<tr>
<td>ENC 2411C</td>
<td>Digital Literacy for the Liberal Arts</td>
<td>LIT 3911H</td>
<td>Honors Research Methods</td>
</tr>
<tr>
<td>ENC 3251</td>
<td>Theory and Practice of Technical Writing</td>
<td>LIT 4043</td>
<td>Modern Drama as Literature</td>
</tr>
<tr>
<td>ENC 3251H</td>
<td>Honors Theory and Practice of Technical Writing</td>
<td>LIT 4244</td>
<td>World Authors</td>
</tr>
<tr>
<td>ENC 3241</td>
<td>Writing for the Technical Professional</td>
<td>LIT 4303</td>
<td>Post-World War II Fiction</td>
</tr>
<tr>
<td>ENC 3241H</td>
<td>Honors Writing for the Technical Professional</td>
<td>LIT 4374</td>
<td>Literature of the Bible</td>
</tr>
<tr>
<td>ENC 3310</td>
<td>Magazine Writing I</td>
<td>LIT 4374H</td>
<td>Honors Literature of the Bible</td>
</tr>
<tr>
<td>ENC 3311</td>
<td>Advanced Expository Writing</td>
<td>LIT 4433</td>
<td>Literature of Science and Technology</td>
</tr>
<tr>
<td>ENC 3905</td>
<td>Directed Experience in Writing</td>
<td>LIT 4554</td>
<td>Advanced Feminist Theories</td>
</tr>
<tr>
<td>ENC 3942</td>
<td>Journal Writing Practicum</td>
<td>LIT 4937H</td>
<td>English Honors Seminar</td>
</tr>
<tr>
<td>ENC 4215</td>
<td>Technical Publication and Project Management</td>
<td>PAD 4034</td>
<td>The Administration of Public Policy</td>
</tr>
<tr>
<td>ENC 4218</td>
<td>The Visual in Technical Documentation</td>
<td>PAD 4720</td>
<td>Survey Research in Public Administration</td>
</tr>
<tr>
<td>ENC 4262</td>
<td>International Technical Communication</td>
<td>PHIH 3100</td>
<td>Ancient Philosophy</td>
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<tr>
<td>ENC 4265</td>
<td>Writing for the Computer Industry</td>
<td>PHIH 3200</td>
<td>Medieval Philosophy</td>
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<tr>
<td>ENC 4280</td>
<td>Technical Writing Style</td>
<td>PHIH 3460</td>
<td>Modern Western Philosophy</td>
</tr>
<tr>
<td>ENC 4290</td>
<td>Usability Testing for Technical Communication</td>
<td>PHIH 3700</td>
<td>American Philosophy</td>
</tr>
<tr>
<td>ENC 4293</td>
<td>Documentation and the Collaborative Process</td>
<td>PHI 3063</td>
<td>Research Methods in Philosophy</td>
</tr>
<tr>
<td>ENC 4294</td>
<td>Documentation and Client-Based Collaboration</td>
<td>PHI 3323</td>
<td>Minds and Machines: Philosophy of Cognitive Science</td>
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<tr>
<td>ENC 4313</td>
<td>Research Writing</td>
<td>PHI 3451</td>
<td>Philosophy of Psychology</td>
</tr>
<tr>
<td>ENC 4360</td>
<td>Nature Writing</td>
<td>PHI 3670</td>
<td>Ethical Theory</td>
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<tr>
<td>ENC 4414</td>
<td>Writing and Hypertext</td>
<td>PHI 3800</td>
<td>Aesthetics</td>
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<td>ENG 3010</td>
<td>Practical Criticism</td>
<td>PHI 3805</td>
<td>Contemporary Aesthetics</td>
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<tr>
<td>ENG 3014</td>
<td>Theories and Techniques of Literature Study</td>
<td>PHI 4221</td>
<td>Philosophy of Language</td>
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<tr>
<td>ENG 3073</td>
<td>Cultural Studies Literature</td>
<td>PHI 4321</td>
<td>Philosophies of Embodiment: Mind/Body/Self</td>
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<td>ENG 4114</td>
<td>Literature and Film</td>
<td>PHI 4341</td>
<td>Ways of Knowing</td>
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<td>ENG 4614</td>
<td>Discourse of Global Culture Studies</td>
<td>PHI 4500</td>
<td>Metaphysics</td>
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<td>English Literature I</td>
<td>PHI 4804</td>
<td>Critical Theory</td>
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<td>English Literature II</td>
<td>PHI 4931</td>
<td>Philosophy in the News</td>
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<td>Orlando Shakespeare Festival</td>
<td>PHH 3401</td>
<td>Philosophy of Law</td>
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<td>Philosophy of Law</td>
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<td>English Renaissance Poetry and Prose</td>
<td>PHH 3401</td>
<td>Phenomenology</td>
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<td>ENL 4230</td>
<td>19th Century Studies</td>
<td>PLA 3155</td>
<td>Legal Writing</td>
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<td>ENL 4240</td>
<td>English Romantic Writers</td>
<td>PLA 4935</td>
<td>Capstone: Legal Issues</td>
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<td>ENL 4253</td>
<td>The Victorian Age: Poetry</td>
<td>REL 3131</td>
<td>Religion in America</td>
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<tr>
<td>ENL 4262</td>
<td>Nineteenth Century British Prose</td>
<td>REL 3432</td>
<td>Roots of Western Mysticism</td>
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<td>ENL 4303</td>
<td>British Authors</td>
<td>RIV 4403</td>
<td>Electronic Media, Technolgy, and Society</td>
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<td>ENL 4311</td>
<td>Chaucer</td>
<td>SOW 4232</td>
<td>Social Welfare Policies and Issues</td>
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<td>ENL 4333</td>
<td>Shakespeare Studies</td>
<td>SOW 4341</td>
<td>Micro-Level Roles and Interventions in Social Work</td>
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<tr>
<td>EUH 2000H</td>
<td>Honors Western Civilization I</td>
<td>THE 2304</td>
<td>Script Analysis</td>
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<td>EUH 3122</td>
<td>Medieval Society and Civilization</td>
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<td>Technical Theatre/Design Internship</td>
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<td>EUH 3142</td>
<td>Renaissance and Reformism</td>
<td>TPP 3110C</td>
<td>Directing for Theatre I</td>
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<td>EUH 3242</td>
<td>Modern Europe and the First World War</td>
<td>TPP 4940L</td>
<td>Theatre Internship</td>
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<tr>
<td>EUH 3281</td>
<td>Second World War and Rebirth of Europe</td>
<td>WOH 2012H</td>
<td>Honors World Civilization I</td>
</tr>
</tbody>
</table>
Undergraduate Degree Requirements

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

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

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

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

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

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

Coursework
- Students must earn a 2.5 GPA in a minimum of 6 credit hours in a combination of at least one (1) course with the ENC prefix and any other course, except those with the SPC prefix that is designated as a “Gordon Rule” writing course in order to be exempt from the Essay, English Language Skills, and Reading sections of the CLAS requirement. (Refer to the Undergraduate Catalog for a complete list of Gordon Rule courses.)

- Students must have a 2.5 GPA in a minimum of 6 credit hours in any combination of two (2) applicable math courses, including any Gordon Rule Statistics course in order to be exempt from the Math section of the CLAS requirement. (Refer to the UTC website at http://www.testing.sdes.ucf.edu/clasoptions.php for a complete list of applicable math courses. Refer to the Undergraduate Catalog for a complete list of Gordon Rule courses.)

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

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

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

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

Summer Attendance Requirement
A student entering the State University System with fewer than 60 credit hours of credit is required to enroll in a minimum of nine hours of credit in the summer at a State of Florida university. Courses taken at UCF for credit during the summer may be exempt from the Reading section of the CLAS requirement. Those who receive a "W" or "F" may be counted toward this requirement. Credit earned by acceleration mechanisms also applies toward satisfaction of the Summer Attendance Requirement. Petition forms for exemption are available from Academic Services (MH 210).

Admission to the Upper Division
To be classified as an upper division student at the University of Central Florida, a student must complete the following:

1. A minimum of 60 credit hours of academic work;
2. The English and mathematics requirements of the Gordon Rule;
3. Passing scores on three of the four parts of the CLAST; and,
4. One year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation Application Deadline
Students must complete the “Intent to Graduate” online at https://my.ucf.edu in the term preceding the one in which they intend to graduate (see the “Academic Calendar” for specific dates). Students who have not applied for graduation by the last day of classes in the term preceding the graduation term may not be listed in the Commencement Register. The graduation term must be completed by 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 courses. It is possible to enroll in classes at 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.
Undergraduate Degree 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.nerdc.ufl.edu. Web site: http://www.doci.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. The university Catalog will stipulate combinations of degrees within colleges that are not allowed.
- Students earning two degrees may use different Catalog years for each degree. If different Catalog years are used, the general university requirements in the latest of the two catalogs will be applied to both degrees.

More Than Two Majors, or More Than Two Degrees, or a Combination
Students attempting multiple majors or degrees beyond two must consult with the Registrar’s Office for coordination among degree programs. Responsibility for doing so rests with the student. The stipulations for two majors and/or two degrees will apply as well as other minimum amount of hours and prohibitions about combinations. Graduates from regionally accredited four-year U.S. institutions who apply for admission to work toward a second baccalaureate degree at UCF must meet the regular admission requirements of the major department and the UCF residency requirement of 30 additional credit hours for that degree. Students holding the baccalaureate degree from regionally accredited U.S. institutions are considered to have completed CLAST, Gordon Rule, foreign languages, and General Education Program Requirements. Students who hold degrees from non-regionally accredited U.S. institutions and foreign institutions may be required by the Office of Academic Services (MH 210) to fulfill all or part of the UCF General Education Program requirements as stipulated in the UCF Catalog.

The University requirements specified in the preceding paragraphs are minimum requirements. Departments and colleges may require more than 150 credit hours for a second degree or more than 30 credit hours to be taken in residence at UCF. Students should confirm department, school, and college requirements with their academic advisors.
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 mid-term for the Fall semester. Summer I and Fall Registrations begin during the last term of the Spring semester. Class listings are available only online through the Class Schedule and Course Catalog Search at https://my.ucf.edu.

Registration is available over the web using the myUCF system at https://my.ucf.edu and in the college advising offices. The dates and times for each registration period are included in the "Academic Calendar" online at http://www.registrar.ucf.edu/calendar/academic/.

Web Enrollment Guide

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

Terms and Credit Hours

The University of Central Florida academic schedule consists of two semesters (Fall and Spring), and the Summer term. The graduation credit value of each course of instruction is stated in terms of credit hours. For each semester hour of classroom instruction, 50% of the credit hour of work (or two or more laboratory hours of work) per week for a semester. Classes may be offered for a six-week or nine-week session during the Summer term. During this shortened term, two class hours of work (or four or more laboratory hours of work) per week are required to represent a semester hour of credit.

Undergraduate Enrollment Status

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

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

Credit Hour Limits

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

Excess Hours

Effective Fall 2009, 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 excess credit hour or credit hour in excess of 120 credit hour of work at the rate of 1/20 of the credit hour of work (or two or more laboratory hours of work) per week for a semester. Credit hours based on the Summer term at the University of Central Florida不得超过14学分。

State of Florida Employee & UCF Employee Registration

State of Florida employee and UCF employee enrollment into courses for which the employee will seek a tuition waiver will occur only on a space-available basis. Forms to apply for the "Residency Affidavit," the "Student Health History," the "Senior Citizen Audit Application" and "Senior Citizen Audit Registration Form" These forms are available in the Registrar’s Office (MH 161) or at the Registrar’s web site: http://www.registrar.ucf.edu.

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

State Tuition Exemption Program (STEP—National Guard) students register on a space-available basis during the last hours of registration at the University of Central Florida. This registration is on a space-available basis during the last hours of registration as noted in the “Academic Calendar” online at http://www.registrar.ucf.edu/calendar/academic. For waiver eligibility and application information, see “Tuition Waivers” within “Financial Information” of the Undergraduate Catalog.

State University System (SUS)

Florida Transient Students

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

UCF Students Attending Another Florida Public Institution

UCF students who desire to attend another Florida Public institution as a Transient Student are encouraged to complete the "Transient Registration Policies".
Academic Regulations and Procedures

Student Form* online, which is available on the FACTS Web site at http://www.facts.org under “College Students” > “Transferring”. Students wanting to attend a Florida private institution or an institution outside the State of Florida may obtain a printed form from the Registrar’s Office. The permanent priority of the department, school, and college advising office is required to ensure that the courses attempted at another institution will transfer and meet the UCF Degree/General Education Program requirements.

UCF Students Attending a Non-SUS Institution

A UCF degree-seeking student desiring to earn credit at another college or university for transfer back into a UCF degree program must obtain prior transient approval for specific courses from the Dean or Department Chair of his/her respective college or school. Transient approval of courses to be applied to the UCF General Education Program must be obtained in advance from Academic Services (MH 210). Credit earned without prior transient approval may not be accepted. Plus/minus grades will be transferred for course work earned Fall 2001 and after using UCF’s grade point system. Because of graduation certification, students may not take courses in transient status during the term in which they expect to graduate. Student seeking transient status must complete the “Transient Approval Form,” available from the college or school advising office or at http://www.facts.org and must submit the completed, approved and signed form to the Registrar’s Office (MH 161). Transient credit cannot be used to reduce the last 30 semester hour residency requirement for a baccalaureate degree, the last 60 semester hours of residency requirement for an Associate of Arts degree, or any departmental residency requirements.

Enrollment and Degree Verifications

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

Withdrawal Policy

Withdrawal for each term begins after the drop deadline. Students remain fee liable for any classes from which they withdraw. Students may withdraw from a class and receive the notation of “W” until the deadline noted in the “Academic Calendar” online at http://www.registrar.ucf.edu/calendar/academic. A student may withdraw from courses using myUCF at https://my.ucf.edu, or by visiting the Registrar’s Office (MH 161), certain college advising offices, or a Regional Campus records office. Students may withdraw by fax at 407-823-5692. Fax 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 written 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 online, they may also drop entire courses for any future terms or be fee liable and receive a grade.

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

No withdrawal is permitted after the withdrawal deadline except in extraordinary circumstances. Unsatisfactory academic performance is not an acceptable reason for withdrawal after the deadline. Students seeking to petition for a late withdrawal should view the Academic Services Web site at http://www.academicservices.ucf.edu/academic_record/ and consult Academic Services (MH 210). Students who are granted a late withdrawal may receive 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 immediate 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 student and the review committee. Should the student not withdraw from the course in question, only a written release from the authorized party deciding a student appeal will permit withdrawal. However, if the student appeals the academic action and desires to withdraw from the course, the process shall be initiated by the student immediately in the normal University manner. Such withdrawal requests will be held in abeyance until a ruling on an appeal is obtained. If resolved in favor of the student, the withdrawal request will be processed at the time. The individual empowered to rule on the student appeal shall appropriately notify both the University Registrar and the Director of the Office of Student Rights and Responsibilities or designee of the outcome. For additional information regarding Academic Behavior Violations, see the current Golden Rule (http://www.goldenrule.sdes.ucf.edu).

Grade System

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

<table>
<thead>
<tr>
<th>Grade</th>
<th>Grade Points</th>
<th>Semester Hour of Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>4.00</td>
<td></td>
</tr>
<tr>
<td>A-</td>
<td>3.75</td>
<td></td>
</tr>
<tr>
<td>B+</td>
<td>3.35</td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>3.00</td>
<td></td>
</tr>
<tr>
<td>B-</td>
<td>2.75</td>
<td></td>
</tr>
<tr>
<td>C+</td>
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</tr>
<tr>
<td>F</td>
<td>0.00</td>
<td></td>
</tr>
<tr>
<td>NC</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

UCF uses a letter grade system and places greater emphasis on the Learning Outcome component of the course. If a student is enrolled in an Honor Program, other marking is not allowed. A grade of “W” or “WF” is recorded on the student’s permanent record; if failing, a “WF” will be entered which will be applied to the Grade Point Average. Late withdrawals normally are for all courses taken in the term.

Students who seek a withdrawal because they are ill must apply for a medical withdrawal following the medical withdrawal procedure. All requested forms must be submitted to initiate the review process. The student’s physician provides the University with the appropriate medical information, using the forms available in the Office of Academic Services (MH 210). A medical withdrawal must be for all classes in the term. Medical withdrawals can only be approved in cases where the student is unable to finish the term.

If a medical withdrawal is approved, a “WM” will be recorded for each course. Students who receive a medical withdrawal will be placed on hold for any subsequent semester until the University can determine that the student is ready to return. If a medical withdrawal is approved, it is expected that the student not enroll at the University in the immediate 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 student and the review committee. Should the student not withdraw 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:
Academic Regulations and Procedures

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

Grade Reports
Grades are available from myUCF at https://my.ucf.edu or from the UCF kiosks where a hard copy of grades per term may be printed via the “Print” browser function.

Attendance, Absences, or Unsatisfactory Work
Under University policy, students are not authorized to attend class unless they are on the class roll, or have been approved to audit and have paid audit fees. Students are responsible for satisfying the entire range of academic objectives as defined by the course instructor and ensuring that their class work and attendance are satisfactory. Students should understand that attendance policies and procedures vary among instructors and academic units, and may differ from 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.

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

Classroom Responsibility
Students are responsible for maintaining classroom decorum appropriate to the educational environment. When the conduct of a student or group of students varies from acceptable standards and becomes disruptive to normal classroom procedures, the instructor has the authority to remove the offending party from the room. The instructor shall provide each student with a copy of the form listing students selected to represent the University and signed by the Program Director 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 students academic record. For further information regarding the addition, removal and appeals process of the Z designation, see http://z.ucf.edu/.

UCF Cumulative GPA
In computing the UCF Cumulative GPA for all terms for which a student has been on the student’s record, the student 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.

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

A person applying for admission to UCF who has declared a violation of conduct policies at a previous college or university or has been
Academic Regulations and Procedures

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 post-baccalaureate degree but has not been admitted to a graduate program. All post-baccalaureate students are considered as non-degree under-graduates 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 the Student Conduct Office. A UCF student may not be enrolled as a Transient student in another institution during the term in which the student is temporarily registered.

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,” 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 did 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

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   - 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 “R” to indicate that the course subsequently has been repeated, or a note describing the initial attempt, and the repeat course grade will be marked with an “R.” The original grade will appear on the transcript but only the repeated course grade will be calculated into the GPA;
5. If it is determined that the student is ineligible for the Grade Forgiveness policy, neither a refund of fees nor automatic withdrawal from the course will be made;
6. If a student applies for Grade Forgiveness and later withdraws, or receives an “I” grade or “NC” grade in the course, the attempt will count as one of the allotted Grade Forgiveness attempts, and the GPA will calculate both grades;

7. UCF does not grant Grade Forgiveness for an incomplete (I) in a course. teachers must submit the paper version of the Grade Forgiveness Form which can be obtained at the Registrar’s Office (MH 161).

8. Due to the two-course limit, a student who has repeated two or more courses at a Florida Public Community College or State University and included those courses in the transfer of an AA or a specific statewide articulated AS degree will not be granted any Grade Forgiveness at UCF;

9. Grade Forgiveness awarded for repeated courses will not retroactively alter any previous academic action (i.e. academic probation or disqualification). In addition, no academic records can be altered after a student graduates;

10. Grade Forgiveness is not retroactive and, therefore, may not be used for a course repeated before Fall 1981. A student who repeated a course at UCF before 1981 and did not use the previous forgiveness policy may repeat the course again. In this case, the lower of the previous two grades will be forgiven. This special circumstance is the only one in which a student will be allowed to repeat a course more than once; and;

11. With prior approval from the Dean’s office in which the course is offered, a student can only substitute a course different from the original one if: 1) the substitute course reflects a change in prefix, number, hours, or title but not in substance; or 2) the substitute course replaces a course no longer offered by UCF. In this case, the student must submit the paper version of the Grade Forgiveness Form which can be obtained at the Registrar’s Office (MH 161).

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

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

Good Standing
Good standing indicates only that the student is meeting the minimum academic standard for retention by the University (minimum term GPA, 2.0). To meet graduation requirements, however, the student must have a minimum UCF GPA of 2.0.

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

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

Disqualified (First Suspension)
A student on Academic Probation is Disqualified upon failure to achieve a minimum 2.0 GPA during the subsequent term. A student who is Disqualified may not enroll at the University for two semesters following disqualification. Readmission after two semesters is not automatic. Disqualified students are required to have completed the Florida AA degree, or have completed UCF’s general education program, CLAST, and Gordon Rule requirements, before petitioning for readmission. A Disqualified student must submit an application for readmission supported by a letter documenting the reasons for previous academic difficulties, clear evidence of satisfactory academic performance since leaving the university, and plans for achieving a GPA of 2.0 or better. A disqualified student is limited to petition for readmission once per year (365 days). The total record will be reviewed and action on readmission will be taken by the University Registrar. Any Disqualified student whose UCF grade point deficiency is equal to or greater than 30 grade points is not eligible for readmission. For readmission purposes only, “grade point deficiency” is defined as the number of UCF credit hours earned with a “B” (3.0 GPA) grade that a student requires to raise his or her UCF grade point average to 2.0.

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

Earning Credit While Disqualified
A student disqualified while a freshman or sophomore who subsequently receive an A.A. degree with a minimum “C” average (2.0 GPA) on all college work attempted from a Florida public community college has the right to request 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 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 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 submit to the Registrar's Office official transcripts from all other schools attended during suspension (if applicable).
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 the documents listed above. A student denied readmission by the Registrar’s Office has thirty (30) days from the date of the denial to appeal that decision to the Admissions and Standards Committee. See ‘Right of Appeal’ below for details. Disqualified students are limited to one readmission appeal during the disqualification period.

Readmission Prior to Completion of the Required Suspension

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

Readmission Following Suspension: Disqualification (with a Grade Point Deficiency of 30 or more Grade Points)

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

Dropping or Withdrawing During Readmitted Term

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

Limitations on the Number of Readmission Appeals

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

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

Non-Academic Admission Clearances

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

Appeal

There is no appeal of the University’s decision not to admit or readmit a student based on past misconduct. According to the Florida Administrative Code 6C-8.001(4): “Applicants denied admission shall be given notice of the denial within a reasonable period of time following the decision. Upon the applicant’s written request, the University shall provide the reasons for the rejection in writing.”

Admissions and Standards Committee

The Admissions and Standards Committee is a reporting committee of the Faculty Senate. Its membership includes faculty and non-faculty representatives of the faculty Senate, several academic colleges, the Division of Student Development and Enrollment Services, and Student Government Association. The Admissions and Standards Committee meets regularly to consider appeals from: 1) persons denied admission; 2) students denied readmission; 3) students requesting to continue in school, but who have failed to meet CLAS requirements; and 4) student appeals of University academic actions, policies or standards. All decisions rendered by the Admissions and Standards Committee are final. Decisions can only be appealed in the event new evidence or information has been determined by the Chair of the committee to be relevant and is subsequently approved for further committee review.

Right of Appeal

A student who is ineligible for readmission or has been denied readmission has thirty (30) days from the date of the denial to appeal for an exception to University policy to the Admissions and Standards Committee. The appealing student must satisfy the following requirements before the Registrar’s Office will forward the appeal to the Committee:

1. Complete the “Application for Readmission as an Exception to University Policy Form,” available at the Registrar’s Office (MH 161);
2. Prepare a written statement specifying the extenuating circumstances that led to their poor academic performance or academic dismissal.
   a. The written statement should be limited in length to one 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 circumstances (if applicable);
4. Supply official transcripts from all other schools attended during the suspension (if applicable);
5. Order one official copy of the UCF official transcript ($10 per copy). The Registrar’s Office will forward this transcript to the Admissions and Standards Committee;
6. Submit ten stapled packets of appellant materials to the Registrar’s Office (MH 161) by 12:00 p.m. (noon) Monday prior to the scheduled Admissions and Standards Committee meeting. The packet must contain the following documents, arranged in the following order:

a. A completed “Application for Readmission as an Exception to University Policy Form”;

b. Written statement indicating the extenuating reasons for the previous academic difficulties and a plan for ensuring success in future terms;

c. Any supporting documentation as directed by the college, school or other University personnel;

d. Any additional supporting documentation (optional); and,

e. Degree Audit (obtained from myUCF at https://my.ucf.edu).

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

Upon receipt of both the appeal and all required supporting documentation, the Admissions and Standards Committee will render a decision. The decision of the Admissions and Standards Committee is final. Decisions can only be appealed in the event new evidence or information has been determined by the Chair of the committee to be relevant and is subsequently approved for further committee review.

Academic Amnesty Program

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

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

1) Gain the written support for the Academic Amnesty Program from the student’s college or school and present to the Admissions and Standards Committee an academic plan of action approved by the college advising office. This plan will include the following:

a. The specific terms of the student’s academic history to be nullified by satisfactory completion of the Academic Amnesty Program;

b. Approved courses in which the student will enroll during the two terms that comprise the Academic Amnesty Program;

c. Any additional requirements mandated by the college advising office (i.e., academic advising or mentoring, required tutoring or academic support services, etc.); 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 probation, must have the written support of their coach, complete a written document stating their methods and dedication to improve their level of academic achievement and the approval of the AERC. The committee shall review each applicant’s academic potential and current status and determine conditions for the individual’s degree of continued participation in intercollegiate athletic activities.

Name Changes

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

Address and E-Mail Changes

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

Requesting Transcripts

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

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

Third Attempt Course Repeat Surcharges

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

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

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

Extenuating Circumstances

Those circumstances determined by the University to be exceptional and beyond the control of the student. These may include, but not be limited to, the following:
Academic Regulations and Procedures

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.

Major, Minor, Undergraduate Certificate Policies

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 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.

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 residence, students entering UCF in an "Undeclared" or "Undecided" category may retain their Catalog when initially selecting a major. The "Undergraduate Major Change Form" is available at the college and school advising offices. Forms may be submitted in person to the college advising offices, by mail, or in person to the Registrar’s Office (MH 161). Requests must include the student’s identification number and signature.

Minors

A Minor is a complement to a bachelor’s degree program/major requiring at least 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 completion of the student’s "Intent to Graduate Form.” Students strongly are urged to declare a minor as early as possible. Minors are optional unless required by your specific major. All graduation requirements (i.e., the minor and major) must be from the same UCF Undergraduate Catalog for which a student is eligible. The Undergraduate Certification form is available at the college advising offices.

Undergraduate Certificates

An undergraduate Certificate is a supplement to the bachelor’s degree program/major. Certificates are optional. Students must be admitted in a degree seeking program to be eligible to receive an undergraduate Certificate, and a Certificate will only be granted together with completion of a UCF baccalaureate degree. All graduation requirements (i.e. the certificate and major/minor) must be from the same UCF Undergraduate Catalog for which a student is eligible. The Undergraduate Certification form is available at the college advising offices.

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.

Student Records

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

Family Educational Rights and Privacy Act (FERPA)

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

1. The right to inspect and review the student’s education records within 45 days of receipt of a written request. Students must submit to the University Registrar, dean, head of the academic department, or other official written requests that identify the record(s) they desire to inspect. The University Registrar 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 the 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:

U.S. Department of Education
400 Maryland Avenue, SW
Washington, DC 20202-4605

Directory Information

FERPA authorizes the University to classify certain information concerning students as “directory information,” which means that it may be released to anyone upon request. In accordance with Florida Statutes Section 228.093, the University is required to release student directory information to independent vendors upon request. Directory information at UCF includes:

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

UNIVERSITY OF CENTRAL FLORIDA
FERPA policy, enter the Department of Education Family Policy procedures for confidentiality. For additional information describing this information be withheld.

Disclosure/Release Authorization” form available at the Registrar’s Office. Students can do this online at myUCF or complete the “Directory to withhold any or all information, including “directory information.”

All other student information will be released in accordance with FERPA; in most cases this requires the student’s prior written and signed consent. The University extends to students the opportunity to withhold any or all information, including “directory information.” Students should consult their high school guidance counselor or write to the Educational Testing Service, Princeton, NJ 08540, for additional information. The table labeled “Advanced Placement Exams” provides information related to Advanced Placement examination areas and sub-test areas for which credit may be awarded.

Advanced Placement 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 who have participated in the Advanced Placement Program (AP), the College Level Examination Program (CLEP), University Course Credit by Examination, DANTES, and the International Baccalaureate. A maximum of 45 credit hours in any combination of extension, AP, IB, correspondence, CLEP, Armed Forces Service School Credits, and University Credit by Examination will be accepted by the University for application toward an undergraduate degree. Credit earned by acceleration mechanisms also applies toward satisfaction of the Summer Attendance Requirement. In addition, there are accelerated Undergraduate - Graduate Programs linking the bachelor's and Master’s degree listed in the Undergraduate Catalog.

Test credit is applied according to the published policy at the time the credit is received and posted by the University.

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Academic Regulations And Procedures

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

International Baccalaureate Program
(see table below)
Students who have participated in the International Baccalaureate program in high school may receive a maximum of 30 hours of credit

<table>
<thead>
<tr>
<th>Exam</th>
<th>Score of 4</th>
<th>GEP Usage</th>
<th>Score 5-7</th>
<th>GEP Usage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology</td>
<td>BSC 1005/05G</td>
<td>SCI Found 2</td>
<td>BSC 1005/05G and BSC 2010C</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>Business Management</td>
<td>GEB 2011</td>
<td>SCI Found 1</td>
<td>GEB 2011 and 2905</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Chemistry</td>
<td>CHM 1000 and 1000L</td>
<td>MAT Found 2</td>
<td>CHM 1000 and 1000L and CHM 2045C</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Computer Science</td>
<td>CGS 1078</td>
<td>MAT Found 2</td>
<td>CGS 1078 and 1000L</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Design Technology</td>
<td>ETI 1410</td>
<td>ETI 1410 and 1000L</td>
<td>SCI Found 2</td>
<td></td>
</tr>
<tr>
<td>Economics</td>
<td>ECO 1000</td>
<td>ECO 1000 and 2003</td>
<td>SCI Found 2</td>
<td></td>
</tr>
<tr>
<td>Ecosystems and Societies</td>
<td>EVR 1017</td>
<td>EVR 1017 and 1000L</td>
<td>SCI Found 2</td>
<td></td>
</tr>
<tr>
<td>English A1</td>
<td>ENC 1101</td>
<td>ENC 1101 and 1102</td>
<td>SCI Found 2</td>
<td></td>
</tr>
<tr>
<td>Environmental Systems</td>
<td>ISC 1050</td>
<td>ISC 1050 and 1000L</td>
<td>SCI Found 2</td>
<td></td>
</tr>
<tr>
<td>Film Studies</td>
<td>FIL 1001</td>
<td>FIL 1001 and 1002</td>
<td>SCI Found 2</td>
<td></td>
</tr>
<tr>
<td>French</td>
<td>FRE 1121</td>
<td>FRE 1121C and 2000</td>
<td>SCI Found 2</td>
<td></td>
</tr>
<tr>
<td>Further Mathematics</td>
<td>MHN 1202</td>
<td>MHN 1202 and 1209</td>
<td>SCI Found 2</td>
<td></td>
</tr>
<tr>
<td>(Advanced Mathematics)</td>
<td>GEA 1000</td>
<td>GEO 1200 and 1400</td>
<td>SCI Found 2</td>
<td></td>
</tr>
<tr>
<td>Geography</td>
<td>GER 1121</td>
<td>GER 1121C and 2000</td>
<td>SCI Found 2</td>
<td></td>
</tr>
<tr>
<td>History</td>
<td>WOH 1030</td>
<td>WOH 1030 and WOH 1999</td>
<td>SCI Found 2</td>
<td></td>
</tr>
<tr>
<td>Information &amp; Information Technology</td>
<td>IDS 1006 (3 credits)</td>
<td>IDS 1006 (6 credits)</td>
<td>SCI Found 2</td>
<td></td>
</tr>
<tr>
<td>Latin</td>
<td>LAT 2230</td>
<td>LAT 2230 and 1006</td>
<td>SCI Found 2</td>
<td></td>
</tr>
<tr>
<td>Math Methods</td>
<td>MAC 1105</td>
<td>MAC 1105 and 1140</td>
<td>SCI Found 2</td>
<td></td>
</tr>
<tr>
<td>Math Studies</td>
<td>MAT 1033</td>
<td>MAT 1033 and 1140</td>
<td>SCI Found 2</td>
<td></td>
</tr>
<tr>
<td>Mathematics</td>
<td>MAC 1147</td>
<td>MAC 1147 and 2233</td>
<td>SCI Found 2</td>
<td></td>
</tr>
<tr>
<td>Music</td>
<td>MUL 2010</td>
<td>MUL 2010 and HUM 1006</td>
<td>SCI Found 2</td>
<td></td>
</tr>
<tr>
<td>Philosophy</td>
<td>PHI 1020</td>
<td>PHI 2010 and 1006</td>
<td>SCI Found 2</td>
<td></td>
</tr>
<tr>
<td>Physics</td>
<td>PHY 1050C</td>
<td>PHY 2053C and 2054C</td>
<td>SCI Found 2</td>
<td></td>
</tr>
<tr>
<td>Psychology</td>
<td>PSY 2012</td>
<td>PSY 2012 and 1006</td>
<td>SCI Found 2</td>
<td></td>
</tr>
<tr>
<td>Social Anthropology*</td>
<td>ANT 2410</td>
<td>ANT 2410 and 1006</td>
<td>SCI Found 2</td>
<td></td>
</tr>
<tr>
<td>Spanish</td>
<td>SPN 1121</td>
<td>SPN 1121 and 2230</td>
<td>SCI Found 2</td>
<td></td>
</tr>
<tr>
<td>Theatre Arts</td>
<td>THE 2000</td>
<td>THE 2000 and 1006</td>
<td>SCI Found 2</td>
<td></td>
</tr>
<tr>
<td>Visual Arts</td>
<td>ART 1012</td>
<td>ART 1012 and 1006</td>
<td>SCI Found 2</td>
<td></td>
</tr>
</tbody>
</table>

*This use for General Education applies only to I.B. credit.

COLLEGE LEVEL EXAMINATION PROGRAM (CLEP)

<table>
<thead>
<tr>
<th>Scale Score of 50 for passing</th>
<th>GEP Usage</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accounting, Financial</td>
<td>ACG 1001</td>
<td></td>
</tr>
<tr>
<td>Accounting, Principles of</td>
<td>ACG 1001</td>
<td></td>
</tr>
<tr>
<td>Algebra, College</td>
<td>MAC 1105</td>
<td>MAT Found 1</td>
</tr>
<tr>
<td>Algebra-Trigonometry, College</td>
<td>MAC 2147</td>
<td>MAT Found 1</td>
</tr>
<tr>
<td>American Government</td>
<td>POS 2041</td>
<td>SOC Found 1</td>
</tr>
<tr>
<td>American Literature</td>
<td>AML 1000</td>
<td>CUL &amp; HIS Found 2</td>
</tr>
<tr>
<td>Biology, General</td>
<td>BSC 1005</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>Business Law, Introduction to</td>
<td>BUL 1241</td>
<td></td>
</tr>
<tr>
<td>Calculus</td>
<td>MAC 2233</td>
<td>MAT Found 1</td>
</tr>
<tr>
<td>Chemistry, General</td>
<td>CHM 1020</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>College Composition</td>
<td>ENC 1101 and ENC 1102</td>
<td></td>
</tr>
<tr>
<td>Educational Psychology, Introduction to</td>
<td>EDP 1002</td>
<td></td>
</tr>
<tr>
<td>English Composition with Essay</td>
<td>ENC 1101</td>
<td>COM Found 1</td>
</tr>
<tr>
<td>English Literature</td>
<td>LIT 1000</td>
<td>CUL &amp; HIS Found 2</td>
</tr>
<tr>
<td>French Language</td>
<td>FRE 1120C</td>
<td>Score of 59 or higher earns</td>
</tr>
<tr>
<td>German Language</td>
<td>GER 1120C</td>
<td>Score of 60 or higher earns</td>
</tr>
<tr>
<td>History of the United States I: Early Colonizations to 1877</td>
<td>AMH 2010</td>
<td>CUL &amp; HIS Found 1 or 3</td>
</tr>
<tr>
<td>History of the United States II: 1865 to Present</td>
<td>AMH 2020</td>
<td>CUL &amp; HIS Found 1 or 3</td>
</tr>
<tr>
<td>Human Growth and Development</td>
<td>DEP 2004</td>
<td></td>
</tr>
<tr>
<td>Humanities</td>
<td>HUM 2250</td>
<td></td>
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<tr>
<td>Information Systems and Computer Applications</td>
<td>CGS 1077</td>
<td>MAT Found 2</td>
</tr>
<tr>
<td>Macroeconomics, Principles of</td>
<td>ECO 2013</td>
<td>SOC Found 1</td>
</tr>
<tr>
<td>Management, Principles of</td>
<td>MAN 2021</td>
<td></td>
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<tr>
<td>Marketing, Principles of</td>
<td>MAR 2011</td>
<td></td>
</tr>
<tr>
<td>Mathematics, College</td>
<td>MGF 1106</td>
<td>MAT Found 1</td>
</tr>
<tr>
<td>Microeconomics, Principles of</td>
<td>ECO 2023</td>
<td>SOC Found 1</td>
</tr>
<tr>
<td>Precalculus</td>
<td>MAC 1140</td>
<td>MAT Found 1</td>
</tr>
<tr>
<td>Psychology, Introductory</td>
<td>PSY 2012</td>
<td>SOC Found 2</td>
</tr>
<tr>
<td>Sociology, Introductory</td>
<td>SYG 2000</td>
<td>SOC Found 2</td>
</tr>
<tr>
<td>Spanish Language</td>
<td>SPN 1120C</td>
<td>Score of 63 or higher earns</td>
</tr>
<tr>
<td>Trigonometry</td>
<td>MAC 1114</td>
<td>MAT Found 1</td>
</tr>
<tr>
<td>Western Civilization I: Ancient Near East to 1648</td>
<td>EUE 2000</td>
<td>CUL &amp; HIS Found 1 or 3</td>
</tr>
<tr>
<td>Western Civilization II: 1648 to Present</td>
<td>EUE 2001</td>
<td>CUL &amp; HIS Found 1 or 3</td>
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</table>
International Baccalaureate (all modern languages)
International Baccalaureate offers examinations in many languages and literatures at different levels: B, A2, and A1. Most students in Florida take English as their A1 level language (literature for native or near-native speakers) and one or more foreign Language B exams. Within each category, there are “standard” and “higher” level examinations. Institutions may wish to award additional credit for higher-level exams.

Language B (most common)
Students earn a minimum of one semester (3 credits) of language credit at the Elementary Language II or equivalent level (usually 1121C) level for a score of 4. Students who score 5-7 earn a minimum of two semesters (min. 6 credits) of Elementary Language I and Intermediate Language I or their equivalents (usually 1121C/2200) level. No literature credit will be awarded for International Baccalaureate Language B exams.

Language A2 (language and literature courses for highly proficient speakers; uncommon in Florida)
No direct equivalent. Content of Language A2 varies widely. Minimum 3 credits language or literature for score of 4, 6 credits of language or literature for a score of 5-7.

CAMBRIDGE AICE EXAMS

<table>
<thead>
<tr>
<th>Exams</th>
<th>Passing score of “A”, “B”, “C”, “D” or “E”</th>
<th>GEP Usage</th>
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<tbody>
<tr>
<td>Accounting (AS-Level)</td>
<td>ACG 1001</td>
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</tr>
<tr>
<td>Accounting (A-Level)</td>
<td>ACG 1001 and ACG 1906</td>
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<td>Art and Design (AS-Level)</td>
<td>ART 1006</td>
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<td>ART 1906</td>
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<tr>
<td>Biology (AS-Level)</td>
<td>BSC 1005/1005L</td>
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<tr>
<td>Biology (A-Level)</td>
<td>BSC 2010C and BSC 1906</td>
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<tr>
<td>Business Studies (AS-Level)</td>
<td>GEB 2011</td>
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<tr>
<td>Business Studies (A-Level)</td>
<td>GEB 2011 and GEB 2005</td>
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<tr>
<td>Chemistry (AS-Level)</td>
<td>CHM 2020I/2020I</td>
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<td>CHM 1020C and CHM 2045C</td>
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<td>Computing (AS-Level)</td>
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<td>Computing (A-Level)</td>
<td>CGS 1073 and CGS 1074</td>
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<td>Design &amp; Technology (AS-Level)</td>
<td>ETF 1482C</td>
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<tr>
<td>Design &amp; Technology (A-Level)</td>
<td>ETF 1482 and ETF 1906</td>
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<tr>
<td>Economics (AS-Level)</td>
<td>ECO 1000</td>
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<tr>
<td>Economics (A-Level)</td>
<td>ECO 1023 and ECO 2023</td>
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<td>English (AS-Level)</td>
<td>ENC 1011</td>
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<tr>
<td>English - Literature in English (A-Level) #</td>
<td>ENC 1101 or ENC 1102</td>
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<td>Environmental Science (AS-Level)</td>
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<td>French (A-Level)</td>
<td>FRE 1121 and FRE 2200</td>
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<td>French Literature (AS-Level)</td>
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<tr>
<td>Further Mathematics (A-Level)</td>
<td>MAC 2311 and MAC 2312</td>
<td>MAT Found 1</td>
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<tr>
<td>General Paper</td>
<td>IDS 1110</td>
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<tr>
<td>Geography (AS-Level)</td>
<td>GEO 1000</td>
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<td>Geography (A-Level)</td>
<td>GEO 1200 and GEO 1400</td>
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<td>German Language (AS-Level)</td>
<td>GER 1121</td>
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<td>German (A-Level)</td>
<td>GER 1121 and GER 2200</td>
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<tr>
<td>History (AS-Level)</td>
<td>HIS 1906 (3 credits)</td>
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<tr>
<td>History (A-Level)</td>
<td>HIS 1906 (6 credits)</td>
<td>Subject to review by History Dept</td>
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<td>Latin (AS-Level)</td>
<td>LAT 1121C</td>
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<td>LAT 1121C</td>
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<tr>
<td>Marine Science (AS-Level)</td>
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<td>Marine Science (A-Level)</td>
<td>OCE 1001 and OCB 1000</td>
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<tr>
<td>Mathematics (AS-Level)</td>
<td>MAC 1147</td>
<td>MAT Found 1</td>
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<td>Mathematics (A-Level)</td>
<td>MAC 2311</td>
<td>MAT Found 1</td>
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<td>Music (AS-Level)</td>
<td>MUH 1001</td>
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<td>Music (A-Level)</td>
<td>MUH 1001 and 2011</td>
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<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>
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<td>Sociology (AS-Level)</td>
<td>SYG 2000</td>
<td>SOC Found 2</td>
</tr>
<tr>
<td>Sociology (A-Level)</td>
<td>SPN 1121</td>
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<td>Spanish Language (AS-Level)</td>
<td>SPN 1121</td>
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<tr>
<td>Spanish (A-Level)</td>
<td>SPN 2230 and SPN 2231</td>
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<tr>
<td>Thinking Skills (AS-Level)</td>
<td>PHI 1103</td>
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<tr>
<td>Thinking Skills (A-Level)</td>
<td>PHI 1103 and 1906</td>
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<tr>
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<td>HFT 1000</td>
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<tr>
<td>Travel and Tourism (A-Level)</td>
<td>HFT 1000 and 1906</td>
<td></td>
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</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.

Exams Passing score of “A”, “B”, “C”, “D” or “E” GEP Usage

Accounting (AS-Level) ACG 1001
Accounting (A-Level) ACG 1001 and ACG 1906
Art and Design (AS-Level) ART 1006
Art and Design (A-Level) ART 1906
Biology (AS-Level) BSC 1005/1005L
Biology (A-Level) BSC 2010C and BSC 1906
Business Studies (AS-Level) GEB 2011
Business Studies (A-Level) GEB 2011 and GEB 2005
Chemistry (AS-Level) CHM 2020I/2020I
Chemistry (A-Level) CHM 1020C and CHM 2045C
Computing (A-Level) CGS 1073
Computing (A-Level) CGS 1073 and CGS 1074
Design & Technology (AS-Level) ETF 1482C
Design & Technology (A-Level) ETF 1482 and ETF 1906
Economics (AS-Level) ECO 1000
Economics (A-Level) ECO 1023 and ECO 2023
English (AS-Level) ENC 1011
English - Literature in English (A-Level) ENC 1101 or ENC 1102
Environmental Science (AS-Level) EVR 1001C
French Language (AS-Level) FRE 1121
French (A-Level) FRE 1121 and FRE 2200
French Literature (AS-Level) FRW 3100
Further Mathematics (A-Level) MAC 2311 and MAC 2312
General Paper IDS 1110
Geography (AS-Level) GEO 1000
Geography (A-Level) GEO 1200 and GEO 1400
German Language (AS-Level) GER 1121
German (A-Level) GER 1121 and GER 2200
History (AS-Level) HIS 1906 (3 credits)
History (A-Level) HIS 1906 (6 credits)
Latin (AS-Level) LAT 1121C
Latin (A-Level) LAT 1121C
Marine Science (AS-Level) OCE 1001
Marine Science (A-Level) OCE 1001 and OCB 1000
Mathematics (AS-Level) MAC 1147
Mathematics (A-Level) MAC 2311
Music (AS-Level) MUH 1001
Music (A-Level) MUH 1001 and 2011
Physics (AS-Level) PHY 1020C
Physics (A-Level) PHY 2053C and 2054C
Psychology (AS-Level) PSY 2012
Psychology (A-Level) PSY 2012 and PSY 1906
Sociology (AS-Level) SYG 2000
Sociology (A-Level) SPN 1121
Spanish Language (AS-Level) SPN 1121
Spanish (A-Level) SPN 2230 and SPN 2231
Thinking Skills (AS-Level) PHI 1103
Thinking Skills (A-Level) PHI 1103 and 1906
Travel and Tourism (AS-Level) HFT 1000
Travel and Tourism (A-Level) HFT 1000 and 1906

*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.

No direct equivalent. Content of Language A1 varies widely. Minimum 3 credits in literature for score of 4, 6 credits for score of 5-7.

IB Latin
LNV 3700. This is a unique number assigned to this exam. The IB Latin course includes a reading component and a selection of two out of four authors on a list that changes periodically. Minimum 3 credits for score of 4, 6 credits for score of 5-7 (all exams for diploma holders, higher level exams only for others).

College Level Examination Program (CLEP)
(see table on previous page)
Credit is awarded for scaled scores of 50 or higher on computer-based CLEP exams taken after July 1, 2001. A percentile score of 50 or higher is required on CLEP examinations taken prior to July 1, 2001. CLEP credit may be earned by CLEP subject examinations. Successful completion of CLEP examinations means performance at or above the minimum qualifying score. CLEP credit cannot be used to reduce a grade point deficiency. For example, CLEP cannot be substituted for a grade awarded for a previously completed course. CLEP may not be used to fulfill the senior institution requirements.

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

- Credit may be awarded in the CLEP subject examination area, provided the student: a) is not within 60 credit hours of graduation; b) has not previously received comparable college course credit
Academic Regulations and Procedures

in the CLEP examination area; c) does not receive comparable college credit in the CLEP examination area in the same term the examination is taken or in a subsequent term; d) has not previously completed, failed, or received credit by UCF (transfer or otherwise) in a more advanced course in the examination area; and e) does not complete nor receive credit by UCF (transfer or otherwise) in a more advanced course during the term in which the CLEP examination is taken.

The table labeled "College Level Examination Program" provides information related to the CLEP examination areas and subtest areas for which credit may be awarded. In addition, this table delineates the minimum qualifying score and the UCF course for which each examination can substitute.

CLEP Language Examinations
A score of 50 on 50 of any of the language exams earns a minimum of one semester (4 credits) of Elementary Language I or an equivalent level (generally numbered 1120C). 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 is allowed for CLEP foreign language exams.

Credit by Examination
Regularly enrolled (excludes transient and non-degree) undergraduates who believe he or she has acquired the knowledge and/or skills specific to University courses through departmental examinations. A student who believes he or she has acquired such knowledge and/or skills 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>
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<th>Exam Title</th>
<th>Course Number</th>
<th>GEP Usage</th>
<th>Passing Grade Credit</th>
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<td>Art of the Western World</td>
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<tr>
<td>Astronomy</td>
<td>AST 2002</td>
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<td>Business Law II</td>
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<td>Business Math</td>
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<tr>
<td>Criminal Justice</td>
<td>CCJ 1000</td>
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<tr>
<td>Environment and Humanity</td>
<td>EVR 1017</td>
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<tr>
<td>Ethics in America</td>
<td>PHIL 1630</td>
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<tr>
<td>Fundamentals of College Algebra</td>
<td>MAC 1105</td>
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<td>Foundations of Education</td>
<td>ED 1002</td>
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<tr>
<td>Fundamentals of Counseling</td>
<td>PO 1202</td>
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<td>General Anthropology</td>
<td>ANT 2000</td>
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<td>Here's to Your Health</td>
<td>HSC 1100</td>
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<td>History of the Vietnam War</td>
<td>AMH 2059</td>
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<td>Human Resources Management</td>
<td>MAN 1300</td>
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<td>Human/Cultural Geography</td>
<td>GEO 1400</td>
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<td>Intro to Computing</td>
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<td>Intro to the Modern Middle East</td>
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<td>Introduction to Business</td>
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<td>Introduction to Law Enforcement</td>
<td>CCJ 1100</td>
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<td>Lifespan Developmental Psychology</td>
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<td>Management Information Systems</td>
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<td>Money and Banking</td>
<td>BAN 1501</td>
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<td>Principles of Finance</td>
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<td>Principles of Financial Accounting</td>
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<td>Principles of Physical Science I</td>
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<td>Principles of Public Speaking</td>
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<td>Technical Writing</td>
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<tr>
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EXCELSIOR COLLEGE EXAMINATIONS TABLE

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<th>Course Number</th>
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<td>Abnormal Psychology</td>
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<td>English Composition</td>
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<td>Ethics: Theory and Practice</td>
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<td>Foundations of Gerontology</td>
<td>GEY 1000</td>
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<td>Human Resources Management</td>
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<td>Life Span Developmental Psychology</td>
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<td>Microbiology</td>
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<tr>
<td>Psychology of Adulthood and Aging</td>
<td>DEP 1401</td>
<td></td>
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The Office of International Studies (OIS) connects UCF students and faculty to diverse world communities. Its mission is to promote support, facilitate, advocate, and implement activities that lead to the internationalization of education and research at UCF. This is accomplished through development and administration of UCF study abroad programs; faculty development activities; internationalization of courses and programs; enhancement of international exchanges; promotion of international partnerships; and the identification and acquisition of external funding.

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

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

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

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

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

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

Experiential Learning (Office of), Undergraduate Studies
Director: Sheri Dressler; Ferrell Commons, Suite 203; 407-823-2687
http://www.explearning.ucf.edu/

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

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

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

Internships are available to students on all campuses in all Colleges. They are courses that provide one-term 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 the Office of Experiential Learning or through other academic departments in Colleges. Contact information for department internship coordinators is on the Experiential Learning web site.

Co-op opportunities are available to students on all campuses in all Colleges. They are courses that provide a series of internships, always major- or career-related, paid, and multiple terms with progressively responsible duties. They are either part-time around class schedules (parallel) or full-time alternating terms (alternating), structured for learning with reflection, supervision and evaluation, and available for non-credit or credit when it will count in a student’s academic program.
Special Academic Programs and Research Institutes

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

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

National Consortium for Academics and Sports (NCAS)
Director: Suzi Katz-Slowski; BA2 113; 407-823-5243
http://www.ncasports.org

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

Division of Continuing Education
Assistant Vice President/Director: TBA; University Tech Center, 12565 Research Parkway, Suite 390, Orlando, FL 32826; 407-882-0260; Fax: 407-882-0244
http://www.ce.ucf.edu

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

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

Off-Campus College Credit Programs assists in the administration and coordination of approved partnerships and other specially formatted credit courses and degree programs for the academic colleges. Registration may be conducted on site at the various business, educational, governmental locations served or via the web for student convenience. Course registration for non-admitted students does not constitute regular admission to the University.

Institutes and Centers for Research
The Biomolecular Science Center
Director: P.E. Kolattukudy, BL 136, 407-823-1312; Fax: 407-823-0956
The Biomolecular Science Center is housed in the Burnett School of Biomedical Sciences, College of Medicine. The mission of this University-wide interdisciplinary academic Center is to establish vibrant research and training programs under the general theme, “Molecular and Genomic Bases of Diseases and Therapeutics.” The research at the Center is focused in four areas: cancer, cardiovascular disease, infectious disease, and neurodegenerative disease. See Burnett School of Biomedical Sciences, College of Medicine section or visit http://www.biomed.ucf.edu for more information.

Center for Economic Education
Director: Robert L. Pennington; BA2 303E; 407-823-2640
The Center for Economic Education strives to increase public knowledge of economic principles and their applications in daily life. Researchers at the Center develop, collect, and distribute economic educational materials. They also consult with and provide instruction to public schools (K-12), community colleges, and community organizations. Instruction focuses on the principles of economics and their use in making rational economic decisions. Affiliated with the Council for Economic Education, the Center also conducts research in economic education.

Dick Pope, Sr. Institute for Tourism Studies
Director: Abraham Pizam; 9007 Universal Blvd., Suite 231-A Orlando, FL 32819; 407-903-8010; Associate Director: Roberto Croes; 9007 Universal Blvd., Suite 219-C, Orlando, FL 32819; 407-903-8028; E-mail: dpi@mail.ucf.edu

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

Executive Development Center
Executive Director, Bob Case, 407-235-3904; Associate Director, Jaime Patterson, 407-235-3912; 407-235-3901; E-mail: edc@bus.ucf.edu

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

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

- Executive MBA Program
- Professional MBA Program
- Professional Masters Programs
- Customized corporate programs
- Conference services
- Public enrollment programs
- International seminars and exchange programs

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

Florida-Canada Linkage Institute
Director: Angel Cardec; 407-882-2300; Fax: 407-882-0240; E-mail: fcl@mail.ucf.edu

The Florida-Canada Linkage Institute was created by the Florida legislature to foster educational, commercial, cultural and social exchanges between Canada and the State of Florida. The Institute, administered by the Office of International Studies, promotes international collaboration through expanded public/private dialogues on cooperative research and technical assistance, cultural exchanges, the enhance-
ment of language training, and student/faculty exchange programs. The institute administers the Out of State Tuition Fee Exemptions Program that is available for Canadian students to study in Florida state universities and community colleges for the same tuition and fees as Florida residents. The awards are limited to 25 FTE and are competitive.

Florida-Eastern Europe Linkage Institute
Director: Angel Cardac; 407-882-2300; Fax: 407-882-0240; E-mail: eelil@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 Crottly; 407-882-3960, Fax 407-882-3968

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

Florida Solar Energy Center (FSEC)
Director: James Fenton, 1679 Clearlake Road, Cocoa FL 32922-5703; 321-638-1000; Fax: 321-638-1010.

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

Florida Space Institute (FSI)
Acting Director: Jaydeep Mukherjee; FSI, Kennedy Space Center, FL 32899; 321-452-9834; Fax: 321-452-4842; E-mail: fsicas@mail.ucf.edu http://www.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 programs. FSI is a State of Florida head-quartered at UCF, but has 10 member schools statewide. Because FSI is located at the Space Center and not on the UCF campus, the programs are embedded within the existing space environment of the Center, at both the NASA/Kennedy Space Center and the Cape Canaveral Air Force Station locations. Typical research areas include small satellite innovations, broadband optical communications, propulsion, instrumentation development, space weather, and space power, driving engineering solutions with science requirements.

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

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

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

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

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

- Multi-resolution simulation
- Virtual, mixed, and augmented reality
- High performance computing
- Human-machine interface, robotics
- Computer-generated forces
- Mathematical foundations
- Application development
- Information management technology
- Human factors psychology and team training
- Cognitive science/augmented cognition
- Media convergence
- Embedded simulation
- Advanced performance technology

IST actively assists UCF in the development of simulation-related curriculum at the university and in the region. The university in collaboration with IST now offers a truly multidisciplinary PhD in modeling and simulation. Both master’s and doctoral programs accept applications from graduate students in computer science, digital media, psychology, engineering, mathematics, business, and other related disciplines. In partnership with Embry-Riddle Aeronautical University World-wide Campus, UCF and IST offer the Modeling & Simulation Professional Science Master’s degree, a two-year course of study providing a combination of technical and business courses.

The institute annually employs more than 80 graduate and undergraduate students in a variety of research and support positions. For many outstanding graduates, IST is a launching pad to a career in the simulation industry. A significant number of existing professionals, both in government and industry, enroll in modeling and simulation graduate programs to continue their advanced education and hone their research skills.

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

**Institute of Statistics and Data Mining**

*Director:* David M. Nickerson; CC2 206; 407-823-5528; E-mail: nickersn@mail.ucf.edu

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

**Oak Ridge Associated Universities (ORAU)**

*President and ORAU Councilor for University of Central Florida:* John C. Hitt; *ORAU Corporate Secretary:* Monnie E. Champion; 865-579-3306; http://www.orau.org

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

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

ORAU’s Office of Partnership Development seeks opportunities for partnerships and alliances among ORAU’s members, private industry, and major federal facilities. Activities include faculty development programs, such as the Ralph E. Powe Junior Faculty Enhancement Awards, the Visiting Industrial Scholars Program, consortium research funding initiatives, faculty research and support programs as well as services to chief research officers.

**Small Business Development Center (SBDC)**

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

The Small Business Development Center (SBDC) is part of a statewide organization designed to promote economic development by responding to the needs of the small business community. The SBDC, as part of the College of Business Administration at the University of Central Florida, is responsible for eight counties in the Central Florida area including six Sub-Centers located at Daytona State College, Brevard Community College, Seminole State College, Kissimmee Chamber of Commerce, Leesburg Incubator, Lake Sumter Community College-Clermont. Assistance is provided through workshops and individual counseling in the following areas:

- Start-Up
- Finance
- Operations
- Technology
- Business Plan Development
- 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.
ACADEMIC DEGREES, MAJORS AND MINORS

**Associate of Arts Degree**
University of Central Florida students who satisfactorily complete 60 credit hours of acceptable college work may apply for an Associate of Arts degree. University requirements include achievement of a minimum UCF GPA of 2.0, fulfillment of the General Education Program requirements, and completion of the last 20 credit hours in residence at UCF. In addition, any student who desires to receive an A.A. degree must have satisfied the Gordon Rule requirement and passed the College Level Academic Skills Test.

The Associate of Arts degree is awarded only upon application. The application form may be obtained in Academic Services, MH 210 and completed by the end of the first week in the term in which the Associate of Arts degree is to be awarded. A student may not be enrolled as a transient student in another institution during the term in which the Associate of Arts degree is to be awarded. An Associate of Arts degree will not be awarded in the same term that the baccalaureate degree is to be awarded or in any term following the completion of the baccalaureate degree.

**Baccalaureate Degrees**
The University offers the degrees of Bachelor of Applied Science, Bachelor of Arts, Bachelor of Arts in Business Administration, Bachelor of Engineering Technology, Bachelor of Fine Arts, Bachelor of Science, Bachelor of Science in Business Administration, Bachelor of Science in Education, Bachelor of Science in Engineering, Bachelor of Science in Nursing, and Bachelor of Science in Social Sciences. These degrees are available in the following Colleges with majors or areas of specialization as indicated:

**College of Arts and Humanities**
Bachelor of Arts (B.A.)
**Majors:**
- Art, Digital Media, English, Film, French, History, Humanities, Modern Language Combination, Music, Philosophy, Religious Studies, Spanish, Theatre, Theatre Studies
- Bachelor of Design (B.Des.)
  **Major:**
  Architecture
- Bachelor of Fine Arts (B.F.A.)
  **Majors:**
  Art, Film, Theatre
- Bachelor of Music (B.M.)
- Bachelor of Music Education (B.M.E.)
- Bachelor of Science (B.S.)
  **Majors:**
  Photography

**College of Business Administration**
Bachelor of Science in Business Administration (B.S.B.A.)
**Majors:**
- Accounting, Business Economics, Finance, General Business Administration, Management, Marketing, Real Estate
- Bachelor of Arts (B.A.)
  **Major:**
  Economics
- Bachelor of Arts in Business Administration (B.A.B.A.)
  (Regional campuses only)

**College of Education**
Bachelor of Science (B.S.)
**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,

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

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

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

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

**Office of Undergraduate Studies**
Bachelor of Applied Science (B.A.S.)
**Majors:**
- 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>
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<tbody>
<tr>
<td>College of Business Administration</td>
<td>Accounting, Business, Economics, Entrepreneurship, Finance, International Business, Marketing, Real Estate, Sport Business Management, Technological Entrepreneurship</td>
</tr>
<tr>
<td>College of Medicine Burnett School of Biomedical Sciences</td>
<td>Molecular Biology and Microbiology</td>
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<table>
<thead>
<tr>
<th>College Awarding Minor</th>
<th>Name of Minor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rosen College of Hospitality Management</td>
<td>Hospitality Management</td>
</tr>
<tr>
<td>Office of Undergraduate Studies</td>
<td>Environmental Studies, Leadership Studies, World Comparative Studies</td>
</tr>
</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/).
The Burnett Honors College

Dean: Alvin Wang;
407-823-3449, Fax 407-823-6583
http://www.honors.ucf.edu

Assistant Dean: Martin Dupuis
Director of Administrative Services: Donna Plaisted
Director of Advising: Rex Roberts
Interim Director of Information Systems: Michael Callahan
Director of Research and Civic Engagement: Kelly Astro
Director of Student Affairs: Jill Norburn
Director of Student Development: Nicole Gelfert
Director of Student Services: Madi Dogariu

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

Honors classes are small, and course work crosses traditional disciplinary boundaries to encourage critical thinking. Beyond the classroom, special guest lecturers, field trips, study abroad, research opportunities, and university-related service activities expand the horizons of Honors students.

Students in TBHC are actively involved in social activities and course programming. They also have priority registration privileges and access to the Honors Reading Room, Computer Lab, and Honors Housing.

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

Admission to University Honors is granted by TBHC to qualified incoming freshmen. Students who seek admission to University Honors must apply directly to TBHC. It is the student’s responsibility to obtain the appropriate Honors College admissions information from the TBHC Office of Student Services and follow the procedures necessary to enter the program. Prospective Honors students and their parents are encouraged to contact Honors staff if they have questions.

Qualified students who transfer to UCF with an AA Degree with Honors from a Florida community college that has signed an Honors Articulation Agreement with TBHC will be admitted into University Honors with junior standing. Further information is available from the Honors Office of Student Services.

Students must maintain a minimum 3.2 UCF GPA and a minimum 3.0 GPA in Honors courses to remain in University Honors. In addition to meeting the GPA requirements, to graduate with University Honors the student must: 1) complete 4 Honors lower-division courses1; 2) complete the freshman Honors Symposium2; and 3) meet upper-division Honors course requirements determined by college or major3.

By the end of the second week of the term in which a student plans to graduate with University Honors, the student must file a completed “Intent to Graduate with University Honors” form with TBHC and complete an exit interview. A student who completes all of the requirements for University Honors will have the designation of “University Honors” entered on the diploma and transcript. Note: No student with a “Z” designation on his/her final transcripts is eligible to graduate with University Honors.

Summary Table of University Honors Requirements

Honors Requirements

<table>
<thead>
<tr>
<th>Symposium</th>
<th>Lower-division</th>
<th>Upper-division Major</th>
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<tbody>
<tr>
<td>IDH 1920H</td>
<td>4 courses</td>
<td>See requirements by College</td>
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</tbody>
</table>

The current upper-division 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 Arts and Humanities, College of Education, College of Business Administration (excluding Economics (B.A.) and Interdisciplinary Studies majors

1. Complete one Honors Interdisciplinary Seminar3
2. Complete two Honors upper-division courses or Interdisciplinary Seminars2

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 Environment of Business
GEB 3356H Introduction to International Business
MAR 3023H Marketing
FIN 3403H Business Finance
MAN 3025H Management of Organizations
MAR 3391H Professional Selling

Note: Please refer to the “UCF Courses and Descriptions” section of this Undergraduate Catalog for information on direct prerequisites for the above courses. Consult an Honors advisor to find out when these courses are being offered.

University Honors Upper-Division Program Requirements:

College of Engineering and Computer Science excluding Computer Science, Information Technology, Information Systems Technology and Engineering Technology

1. Complete one Honors Interdisciplinary Seminar3 outside the student’s department of major (although it may be within the College of Engineering and Computer Science)
2. Complete two Honors upper-division Engineering courses
STA 3032H Probability and Statistics for Engineers
EGB 3310H Engineering Analysis-Statics
EGN 3321H Engineering Analysis-Dynamics
EGN 3373H Principles of Electrical Engineering
EEL 4818H Machine Learning I
EEL 4817H Machine Learning II
3. Complete the Honors Engineering Research Seminar EGN 4931H Seminar-Research
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 3503H Computer Science I COP 3502H Computer Science II COP 3502H Computer Science II COP 3502H 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 Health and Public Affairs (COHPA)
1. Complete one Honors Interdisciplinary Seminar3 outside major dept.
2. Complete one Honors Interdisciplinary Seminar3 offered by COHPA
3. Complete an additional Honors Interdisciplinary Seminar3 or three credit hours of independent study
Consult an Honors advisor to find out when these courses are being offered.

University Honors Upper-Division Program Requirements:

College of Nursing
1. Complete one Honors Interdisciplinary Seminar3
2. Complete NUR 3165H Nursing Research
3. Complete one of the following nursing courses
NUR 3825H The Role of the Professional Nurse
NUR 4837H Health Care Issues, Policy, and Economics
NUR 4932H Leadership, Management, and Role Transition
NUR 3626H Bioethical and Legal Issues in Healthcare
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 outside the major
2. Complete two of the following Honors upper-division courses
BSC 3404H 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 her/his 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, video and film presentations, and live performances by guest artists. Freshman Honors Symposium also includes a Service Learning component.
3 An Honors Interdisciplinary Seminar normally is an upper-division offering intended for all majors. Most seminars are team-taught, and present cutting-edge topics. Enrollments are limited to 20 students.

Acceptable Waivers

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

Notes

Students who are pursuing University Honors in two degrees must complete an extra Upper-Division course or Interdisciplinary Seminar. Honors in the Major (HIM) courses do NOT count for University Honors requirements. However, EGN 4931H and NUR 3165H can count for HIM Directed Readings.
The Burnett Honors College

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

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

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

Transfer students are not eligible for this program.

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

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

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

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

Eligibility Requirements

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

Honors in the Major

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

Requirements for admission to Honors in the Major are: completion of at least 12 hours of college credit including at least 3.5 credit 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 other non-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 achieve a grade of at least “B” in all Honors in the Major course work to be awarded Honors in the Major.

The student must file an “Intent to Graduate with Honors in the Major” form with the TBHC Office of Research and Civic Engagement by the third day of classes of the semester of their anticipated graduation date. A student who completes all of the requirements for Honors in the Major, including maintaining at least a 3.5 GPA within the major and at least a 3.2 GPA in all upper-division courses, will have the designation of “Honors in (subject area)” noted on the diploma and the University transcript. Note: No student with a “Z” designation on his/her final transcripts is eligible to graduate with Honors in the Major. If you have any questions about these requirements, please contact TBHC at 407-823-6402 or honorsresearch@mail.ucf.edu.

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

If you have any questions about SMART or the grants program, please contact the Office of Research and Civic Engagement in BHC 102 or by phone at 407-823-6402.

Office of Student Scholarship and Fellowship Advisement

The Office of Student Scholarship and Fellowship Advisement (OSSFSA) provides all UCF students with information and advising for major national and international fellowships and scholarships of a prestigious nature. OSSFA 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 OSSFA is housed within The Burnett Honors College, it serves the entire UCF community.

OSSFSA 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 OSSFA for assistance with their applications, even if the award does not require institutional endorsement. Students seeking more information should contact OSSFA by phone at 407-823-2877, visit BCH 107 or http://www.osssa.honors.ucf.edu.
College of Arts and Humanities
Dean: Jose Fernandez; CAH 190; 407-823-2251;
Associate Dean: Lyman Brodie; CAH 190; 407-823-2251;
Associate Dean: Terry J. Frederick; CAH 190; 407-823-2251;
Assistant Dean: Lynn Hepner; CAH 190; 407-823-2251;
Assistant Dean: Paul Lartonoix; CAH 190; 407-823-2251

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

In keeping with the aims of the University of Central Florida, the College is responsible for all programs in the areas of humanities and arts. The departments collectively offer more than 75 baccalaureate and graduate programs. For additional information concerning graduate programs, please refer to the online Graduate Catalog.

In addition to providing academically strong degree programs in the areas noted above, the College of Arts and Humanities offers a selection of courses that are designed to complement the programs of the other colleges of the University. These offerings include a number of courses necessary to satisfy the University’s General Education program.

A student enrolled in the College as an undergraduate must fulfill all University degree requirements including those for general education as well as the particular requirements set forth within each area of specialization. Computer proficiency is determined within the student’s department of major. Depending on the program, evaluation may be via a written test, relevant projects, or specific exercises within a course or an entire course dealing with computers. To be certified for graduation, a student must achieve at least a “C” GPA (2.0) in the courses of his or her major and/or minor. Some departments also require a minimum grade in each major course. Students are advised to consult their departmental advisor for specific policies. For programs with a foreign language graduation requirement, American Sign Language is not considered a foreign language and will not fulfill the requirement.
A student whose written or oral communication in any course is deemed unsatisfactory may be referred to the Dean by the instructor. Additional coursework or an individual study program, consistent with the needs of the student, may be assigned and must be completed before the degree is granted.

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

There is no preferred major for pre-law. Law schools accept superior students with a good liberal arts background, regardless of major field. A Bachelor of Arts or Bachelor of Science degree with approximately three-fourths of the course work representing theory content is typically suggested. Majors such as English, History, Legal Studies, Philosophy, Sociology, and Political Science meet this criterion. The quality of undergraduate education for the legal profession, according to the Association of American Law Schools, is grounded in three basic skills and insights: comprehension and expression in words, critical understanding of the human institutions and values with which the law deals, and the creative power of thinking. Law schools require that the Law School Admission Test (LSAT) be taken prior to consideration for admission. General information pertaining to programs of study, the LSAT, careers, and law schools can be obtained from the Pre-law Advisor.

Advisement of pre-law students will be provided in the area where a major is chosen. For example, a pre-law student who desires to emphasize the historical foundations should seek advisement in the Department of History; for emphasis in political science advisement should be sought in the Department of Political Science; emphasis in economics should be gained through advisement in Economics programs in the College of Business Administration; emphasis in Legal Studies can be pursued in the Departments of Criminal Justice and Legal Studies in the College of Health and Public Affairs.

Advisement
CAH Student Advising (CAHSA)
Director: Delia Garcia; CNH 202; 407-823-3312; E-mail: cahsa@mail.ucf.edu
http://www.cah.ucf.edu/students/advising.php

CAH Student Advising (CAHSA) is the primary office for undergraduate academic advisement in the College of Arts and Humanities. CAHSA assists students in the College with orientation, registration, graduation certification, and with the interpretation of College/University policies and procedures. Questions concerning University and College academic policies affecting the College of Arts and Humanities majors should be directed to the CAHSA staff in CNH 202 or by calling 407-823-2492. Questions concerning the requirements within a major should be directed to the Department offering the degree. The student should contact the department early in his/her academic career and meet with his/her advisor for course planning every semester.

Program Planning
Although suggested curricula are available in most areas, students will plan their program in consultation with a faculty advisor appointed by the major department.

Area Studies Programs
Area Studies programs are multi-disciplinary programs that focus on specific regions or cultural groups. UCF has six area studies programs with a fourteenth international focus: African American, American, Asian, Judaic, Latin American, Caribbean and Latino/a Studies, and Middle Eastern. Although the academic home of these programs is the College of Arts and Humanities, faculty and students from across the entire university may participate in them. These programs may be elected as minors by students majoring in any discipline within the university. For more information about the programs and contact numbers of the program directors see the list below.

African American Studies - Contact: JoAnne Stephenson; 407-823-0026
American Studies - Contact: Lyman Brodie; 407-823-2251
Asian Studies - Contact: Paul Giordano; 407-823-2472
Judaic Studies - Contact: Moshe Pell; 407-823-5039
Latin American, Caribbean and Latino/a Studies - Contact: José Maunez-Cuadra; 407-823-1173
Middle Eastern Studies - Contact: Husain Kassim; 407-823-2803

International Study Centers
Undergraduate Inter-institutional Transient Program
The State University System operates study centers in London, England and Florence, Italy during the Fall and Spring semesters. Students with 27 or more credit hours of credit and a minimum GPA of 2.5 or above in all state universities are eligible to apply for one or both semesters as inter-institutional transient students. Faculty at the centers are drawn from the nine state universities. While credits 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

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Undergraduate Catalog 2010-2011
Department of English

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

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

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

American Studies: Program

Contact: Lyman Brodie; CAH 190; 407-823-2292

The College of Arts and Humanities offers a minor in American Studies. This program requires students to select relevant electives from literature, humanities, social sciences and history.

Degrees: None
Tracks: None
Minors: American Studies

Asian Studies: Program

Contact: Paul Giordano; CNH 523; 407-823-2472

An interdisciplinary minor designed to enhance multicultural education by offering students both an overview of Asian civilization and a detailed study of its most significant features. The focus of the program is on India, China, and Japan. Course work will include upper-level classes from the curricula of participating programs (anthropology, art history, economics, english, foreign languages, history, humanities, philosophy, political science).

Degrees: None
Tracks: None
Minors: Asian Studies

Community Arts—PAVE: Program

Program Director: Janet Kilbride; VAB 117; 407-823-2676

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

Degrees: None
Tracks: None
Minors: Community Arts

Department of English

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


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

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

Department of Film

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

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

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

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

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

Department of History

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


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

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

The Department participates in the programs in Women’s Studies, American Studies, African-American Studies, Asian Studies, and Latin American, Caribbean and Latino Studies.

Degrees: History (BA, MA, Accelerated MA)
Tracks: None
Minors: History
Judaic Studies: Program  
Program Director: Moshe Pelli; CNH 201; 407-823-5039 or 823-5129; E-mail: judaicst@ucf.edu  
http://www.judaicstudies.cah.ucf.edu  
Faculty: Hanson

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

The Latin American Area Studies Minor provides students with an interdisciplinary knowledge of, and the necessary tools to understand Latin America, the Caribbean and Latinos in the United States. Students completing the minor will be prepared to apply their knowledge on the areas covered by the minor in a variety of careers including, but not limited to education, government, journalism, foreign service, social and community service, international trade, and public relations.

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

Middle Eastern Studies: Program  
Program Director: Husain Kassim; CNH 411J; 407-823-2803; E-mail: kassim@mail.ucf.edu  
Advisory Board Co-Chairs: John C. Bersia; Janan Smither  
http://www.middleeasteasternstudies.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.mlil.cah.ucf.edu

Faculty: Barone, Cordeiro-Rosa, Decker, Fabery, Fanai, Folse, Garcia, Giordano, Korosy, Leticee, Lopez, Ludwig, Mihai, Montalvo, Naibone, Negy, Pomerleau, Prucha, Purnensky, Redmon, Rivera, Solis, Spina, Stubbins, Tattt, Thompson, Trinquet, Villanueva-Ghelfa, 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), Modern Language Combination (BA), TESOL (MA)
Tracks: None
Minors: French, German, Italian, Spanish

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

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

The Department of Music offers a Bachelor of Music degree with options in performance and composition; a Bachelor of Arts Degree in music; and a Bachelor of Music Education Degree with specialties 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

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

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

The Department of Philosophy offers a Philosophy major, a Religious Studies major, and a Humanities major, with a track in Philosophy, Religion, and Popular Culture as well as minors in Philosophy, Humanities, Religious Studies, and Cognitive Sciences. The Department requires all majors to receive advisement prior to registering each semester. Majors should schedule appointments with their departmental advisor. For any course used to satisfy a requirement (including electives) of the Philosophy major, the Humanities major, and Religious Studies, a grade of “C” or better must have been received.

Degrees: Philosophy (BA), Religious Studies (BA), Humanities (BA), Humanities - Philosophy, Religion, and Popular Culture (BA)
Tracks: Regular and Honors
Minors: Cognitive Sciences; Humanities; Philosophy, Philosophy, Religion & Popular Culture; Religious Studies

College of Arts and Humanities

COLLEGES

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UNIVERSITY OF CENTRAL FLORIDA
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

The School of Visual Arts and Design combines traditional studio arts, design, and art history with emerging media concepts that are the foundation of animation, game and interactive design. The traditional art forms of painting, drawing, photography, ceramics and sculpture continue to supply core skills necessary to 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: Art (BA, BFA, MFA), Digital Media (BA, MA)
Tracks: Art History, Emerging Media, Game Design, Studio Art, Visual Arts and Emerging Media Management, Web Design
Minors: Art History, Digital Media, Studio Art

The Women's Studies program offers an interdisciplinary minor and a certificate in Women's Studies in cooperation with several departments, programs, and schools. The program examines women's roles in and contributions to past and present societies, and provides practical and theoretical knowledge about women's and gender issues.

Degrees: BA (Interdisciplinary Studies)
Tracks: Women's Studies Track in Interdisciplinary Studies
Minors: Women's Studies, Certificate

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Arts and Humanities are located at: http://www.oears.ucf.edu/alc/alc_students_cahum.htm
College of Business Administration

Dean: Thomas L. Keon; BA 230; 407-823-2181
Associate Dean: E. Taylor Ellis; BA2 101-W; 407-823-2187
Interim Associate Dean: Foard F. Jones; BA 307
Associate Dean: TBA

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.
Advisement
Undergraduate Student Services
Director: Randall Grimfild; BA 2101; 407-823-2184
The Office of Undergraduate Student Services (USS) is the primary office for undergraduate assistance in the College of Business.
Degree requirements, registration, and any questions concerning University and College academic policies affecting Business majors should be directed to the Office of Undergraduate Student Services staff in Ball 101 or by calling 407-823-2184. Visit USS’s home page at: http://www.bus.ucf.edu/uss/.

Programs and Degrees

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<td>Real Estate</td>
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</tbody>
</table>

Departments and Programs
Kenneth G. Dixon School of Accounting

Director: R. Roberts; Director; BA 437; 407-823-2871
Assistant Director: M. Hampton; BA 438; 407-823-5678

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.

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.

Outstanding pass rates on the CPA exam.

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

Minors: Accounting

Department of Economics
Chair: W. Milon; BA 2305-D; 407-823-3266;
E-mail: economics@bus.ucf.edu

Faculty: Braun, Buhagiar, Butterfield, Caputo, Dickie, Euzent, Gerking, Gibbs, Harrison, Hofler, Martin, McHone, Milon, Moore, Pennington, Potter, Rustrum, Scrorgan, Soskin, Underwood, White, Yang

Faculty Advisors: Michael Caputo, BA 302Q, 407-823-1405, E-mail: mcaputo@bus.ucf.edu; D. Scrorgan, 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 bet-
ter understand the economic and non-economic issues that are con-
fronted in their jobs and their private lives and to provide the analytical
skills that will allow them to resolve them.

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

Distinctive Benefits
- Flexible Curriculum: Students tailor the program to their individual
  interests through a large selection of tracks and electives.
- Interdisciplinary Linkages: Economics provides a solid foundation
to link with many other disciplines allowing for a double major in
Finance, Real Estate, Mathematics and Political Science.
- Teaching quality: Many of the Economics faculty have received
  Excellence in Teaching Awards.
- Opportunity for strong quantitative and analytical training.
- Student Organizations: The Economics Club is an active student
  organization linking students to Alumni.
- Excellent preparation for law school admission.

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

Minors: Economics

Department of Finance
Chair: A. Byrd; BA 409; 407-823-3575
Faculty: Ajayi, Anderson, Borde, Botts, Byrd, Chen, Choi, Curcio,
Frye, Glatchev, 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, finan-
cial 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 finan-
cial 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 cor-
  porate financial management, commercial banking, real estate,
  investment management and counseling, investment banking,
mortgage banking, multinational business, insurance and govern-
  ment.
- Students who major in finance are sought by both financial and
  non-financial firms.
- The rapidly changing domestic and international economies need
  individuals who have the skills to make sound financial decisions.

Degrees: Finance (BSBA), Real Estate (BSBA)

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

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

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

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

Congratulations, you have completed the document conversion task.
College of Business Administration

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

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

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

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

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

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

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

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

Success to Significance

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

Admission to the College will be granted when students meet the following requirements:

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

Transfer Notes:
Courses transferred from other institutions must be evaluated for equivalency credit. The student must provide all supporting information. Students transferring from a Florida Public Community College are cautioned to pay careful attention to the General Education and Program Prerequisites sections of their intended major. Students are responsible for all ESOL assignments for UCF ESOL-infused courses that may be transferred from other institutions.

New students will:
1. Meet college advising representatives in a group setting during Orientation to:
   a. Discuss College of Education admission requirements needed for enrollment in upper division education classes
   b. Review degree program requirements
   c. Understand expectations and responsibilities associated with a career in education

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

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

Office of Student Affairs

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

Mission Statement

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

Clinical Experiences

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

Clinical experiences provide students with a broad range of instructional opportunities in various school settings developed through cooperative planning with local school district administrators and teachers. Clinical experiences are an integral part of education programs and consist of early practicum experiences, as well as internships. Placement of students is the responsibility of the College of Education’s Office of Clinical Experiences. Students must complete internship experiences in one of the College of Education’s local partnership districts.

Students must be aware: that certain crimes may prevent placement in internship and/or employment in districts. Each school district follows state guidelines for fingerprinting and some districts have additional requirements.

All applications for internships are accessed at the Clinical Experiences Web site and are approved by the Office of Clinical Experiences.

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

Internship I

Internship I is a three semester hour experience. Students are assigned to work with certified supervising teachers. Students are enrolled in a limited number of related professional courses during the experience. Additional courses may be taken only with the consent of the academic program coordinator and department chair. The Internship I experience is completed locally and is arranged by the Office of Clinical Experiences.

Admission to Internship I

Admission to Internship I will be granted to students who have been admitted to the College of Education and who meet the following additional requirements at the time of application.

- Have on file passing scores on all 4 parts of the Florida Teacher Certification Examination General Knowledge Test before applying for Internship I.
- A minimum overall GPA of 2.5 or higher.
- Possess minimum specialization GPA of 2.5
- Possess minimum professional preparation GPA of 2.5
- Achieve a “C-” (1.75) or better in all prerequisite methods/specialization courses. However, a minimum overall GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
- Complete a formal application for Internship I online by deadline listed above.
- Meet any special departmental or program requirements.
- Be recommended by the faculty of the department of the student’s major.
- The Early Childhood Education program includes a seminar/field experience course in lieu of Internship I.

NOTE: It is highly recommended that students take and pass the FTCE Subject Area Examination before applying for Internship II.

Internship II

Internship II is considered a full-time experience. Students are permitted to enroll in other classes only with the consent of their academic program coordinator and department chair. Internship II is a 12 semester hour experience (depending on the program) normally completed during the student’s last semester.

Admission to Internship II

Admission to Internship II will be granted when students have met the following requirements at the time of application.

- Successful completion of Internship I
- Have on file passing scores on all 4 parts of the Florida Teacher Certification Examination General Knowledge Test
- It is highly recommended that students take and pass the FTCE Subject Area Exam before applying for Internship II.
- Possess a minimum overall GPA of 2.5 (2.75 required for Early Childhood Education majors).
- Possess minimum professional preparation GPA of 2.5*
- Possess minimum specialization GPA of 2.5*
- Achieve a “C-” (1.75) or better in all professional methods/specialization courses. A minimum overall GPA of 2.5 is required in addition to a minimum 2.5 GPA in the professional preparation...
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 Programs in Education (MPIE)**
Sandra L. Bulger, ED 110; 407-823-0184
http://education.ucf.edu/mpie/

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

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

**Scholarship Requirements**
Students must meet the following criteria:
- Eligible groups: African-American/Black, Asian-American/Pacific Islander, Hispanic, or American Indian/Alaskan Native
- Be a Florida Resident
- Be admitted into the UCF-College of Education as a degree-seeking undergraduate student
- Minimum semester and overall grade point average of 2.5
- Must be enrolled full-time
- Submit Scholarship Application
- Interview with the Scholarship Application Review Committee
- Submit two letters of recommendation and current resume
- Complete 40 hours of community service for each year the scholarship is received

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

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

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

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

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

**Alternative Certification for Non-Degree Students**
All students who have earned a Baccalaureate degree from an accredited institution and who desire to be certified in Elementary Education must complete an undergraduate or masters degree program in Elementary Education. For other certification areas for which the College has programs, students may elect to complete 1) an undergraduate degree 2) a graduate degree or 3) an alternative program as a post-baccalaureate student. Students must meet regular admission requirements for the College of Education and Teacher Education.
Academic Advising Center
Director: Sandra L. Bulger; ED 175; 407-823-0043
Assistant Director: Andrea Small; ED 175; 407-823-2022

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 such sessions will be posted on the College of Education Web site.

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

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

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

Several graduate level programs are available in the department:
Exceptional Education, http://www.graduate.ucf.edu/acad_progs/index.cfm?mgId=33&curriculum=EXVMA
Sport and Fitness, http://pegasus.cc.ucf.edu/~sportfit/

See individual program Web sites and the graduate catalog for additional details. You can start by going to the CFC/S Web site: http://education.ucf.edu/cfcs/

Department of Educational Research, Technology and Leadership
Chair: Grant Hayes; ED 209-H; 407-823-4835
Assistant to the Chair: Michelle Spinella; ED 206-B; 407-823-0623
Faculty: Alexander-Snow, Atkinson, Bai, Beverly, Boyd, Bozeman, Cintron, Doherty, Gunter, Hahs-Vaughn, Hirumi, McGee, Miller, Murray, B., Murray, K., Pavlas, Sivo, Taylor, Witta

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

ERTL is guided by the University mission: “achieving international prominence in key graduate education and research programs, developing a global perspective in the curriculum, promoting inclusiveness and diversity, and helping UCF become America’s leading partnership university; and by the College of Education’s vision of "scholarly leadership in the education profession, well-educated students, rigorous curricula, research and scholarship, promotion of social justice, and service.”
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:
Essam Radwan; ENG2 202; 407-823-2156
Assistant Dean for Distributed and Distance Learning:
Alfred Ducharme; ENGR 289; 407-823-5765

Director, Academic Affairs:
Melissa 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: BSAE
Civil Engineering: BCSE
Computer Engineering: BSPE
Computer Science: BS
Construction Engineering: BSCOE
Electrical Engineering: BSEE
Environmental Engineering: BSVE
Industrial Engineering: BSIE
Information Technology: BS
Mechanical Engineering: BSME

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

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

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

College Core Values

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

College Goals

- A high caliber, diverse College that is recognized for leadership in research and teaching.
- Distinguished, innovative undergraduate programs to provide top-quality education for undergraduates.
- High quality graduate education to meet the needs of Florida and the U.S. and to achieve national and international prominence.
- A model for university outreach, globalization and partnerships
- A college with national and international visibility.
- An inclusive, open and supportive environment for all student, staff, and faculty.

Students who seek a challenging technical career in research and development, design, technical sales, manufacturing, management, teaching, or other professions requiring a methodical, creative solution to problems should seriously consider pursuing an education in engineering or computer science. The internationally-recognized faculty of the College of Engineering and Computer Science, together with its strong curricula of undergraduate and graduate programs, provide an opportunity for ambitious, responsible men and women to become the leaders of our increasingly technological world. Because of the significance of science and technology to our everyday lives, today's
engineer and computer scientist must be aware of the impact of his or her creations on society. In addition to the public health and welfare, aesthetics, economics, and energy-use implications, our graduates also consider environmental, sociological, and other humanistic costs. A degree from the College of Engineering and Computer Science is also recognized as a valuable asset to those entering other professional pursuits such as the medical or law professions, architecture, education, the military professions, or even politics.

**College Organization**

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

All components of the Engineering and Computer Science Division offer advanced studies leading to master’s degrees and the Doctor of Philosophy degree; see the Graduate catalog for further information on these graduate programs. The undergraduate engineering programs in Aerospace Engineering, Civil Engineering, Computer Engineering, Construction Engineering, Electrical Engineering, Environmental Engineering, and Mechanical Engineering are accredited by the Engineering Accreditation Commission of ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, Telephone: (410) 347-7700. The Computer Science program is accredited by the Computing Accreditation Commission of ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, Telephone: (410) 347-7700.

The College houses the ROTC Division for those students desiring to pursue military training while earning their degree. The AFROTC program offers a minor in Aerospace Studies, and the AROTC program offers a minor in Military Science.

**The Honors Program in the College of Engineering and Computer Science**

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

The objective of the Honors Program is to provide exceptional students with an opportunity to express their creativity and problem-solving abilities through challenging coursework and participation in research projects. In addition, the program exposes students to a wide variety of issues dealing with the role of engineers and computer scientists and the impact of the profession on society. Honors students also participate in several programmed activities, such as lectures by distinguished scholars, engineers, and public figures, 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 listing for that department in the University Honors Program found in the Burnett Honors College section of this catalog); and 2) the Honors in the Major Program (HIM).

**The Honors in the Major Program**

The College of Engineering and Computer Science Honors in the Major program is designed for two types of students: 1) Highly qualified students who did not participate in the University Honors Program and would like to have the experience of an Honors curriculum, and 2) University Honors program students who desire to continue the Honors curriculum beyond what the University Honors Program offers. The centerpiece of the Honors in the Major program is the opportunity to undertake independent research as an undergraduate under the guidance of a faculty member in his/her major. The Honors in the Major represents a total of six credit hours of work. These credit hours are acceptable as technical electives by all programs except for Electrical and Computer Engineering. Electrical and Computer Engineering students in the HIM program use the HIM credits in lieu of Senior Design I and II. These six credit hours consist of an Honors in the Major Seminar titled Research Methods in Engineering (EGN 4931H) (three credit hours), plus three credit hours of Undergraduate Honors Thesis (EGN 4970H).

The latter will result in an undergraduate thesis which will describe the research done by the student. The student will defend his/her thesis before a committee of faculty in the field as part of an oral examination covering the honors work. A sponsoring faculty member is required to supervise the undergraduate thesis.

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

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

To successfully complete the HIM program and receive said designation, the student must successfully defend the thesis and graduate with a minimum 3.5 GPA in the option courses, and minimum 3.2 GPA at UCF. No exceptions to this policy will be made for graduation. Successful candidates will be awarded an Honors in Engineering/Computer Science mention on the diploma and transcript, representing satisfactory completion of the program. Moreover, each department will award a limited number of graduate scholarships (with tuition waivers) to those who apply for graduate school and have successfully completed this program.

Application for admission to the Honors in the Major Program must be obtained from the Office of Research and Civic Engagement in the Burnett Honors College. Students in the College of Engineering and Computer Science must consult Donald Malocha, Engineering Building 1, room 114. For more information about the Burnett Honors College programs, please visit their homepage at http://www.honors.ucf.edu.

**Additional Information on UCF Baccalaureate Engineering and Computer Science Programs**

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

**Department of Civil, Environmental, and Construction Engineering**

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

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

The Civil, Environmental, and Construction Engineering Department (CECE) offers baccalaureate degrees in Civil Engineering (BSCE), Environmental Engineering (BSEEnE), and Construction Engineering (BSConE).
The Civil Engineering Program
The Civil Engineering major is concerned primarily with the fundamental aspects of civil engineering design and analysis in such areas as structures, geotechnical engineering, sanitary engineering, water resources, and transportation engineering. Civil Engineering students are required to take a minimum of two Project Design Courses, which synthesize 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 life-long learning, professional licensure, and service to the profession and society.

Program Outcomes
1. Graduates will solve problems that involve differential and integral calculus, differential equations, analytical and numerical solutions, and statistics.
2. Graduates will solve problems that address engineering economics issues such as life-cycle analysis and the selection of alternatives.
3. Graduates will 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.
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 civil 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 Environmental Engineering Program
The Environmental Engineering major is concerned primarily with the interactions of humans with their environment and the planning, design, and control of systems for environmental quality management for water, land, and air environments.

Environmental Engineering students are required to take a minimum of two Project Design Courses (out of four offered) which synthesize various pre-requisite course offerings into a design project. These projects are usually “open-ended” and duplicate real world engineering problems. The students typically work in small design team groups. The pre-requisites needed for the various project courses vary.

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

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

Program Outcomes
1. Graduates will solve problems that involve differential and integral calculus, differential equations, analytical and numerical solutions, and statistics.
2. Graduates will solve problems that address engineering economics issues such as life-cycle analysis and the selection of alternatives.
3. Graduates will 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 major is concerned with preparing students for the engineering management of construction projects by developing skills for the selection of construction methods and processes, construction project planning and control, and resource management. Construction Engineering students are required to take a minimum of two Project Design Courses, (Construction Engineering Design and Geotechnical Engineering Design), which synthesize various pre-requisite course offerings into a design project. These projects are usually “open-ended” and duplicate real world engineering problems. The students typically work in small design team groups. The pre-requisites needed for the various project courses vary.

Mission
The Construction Engineering Program Faculty strives to create a high quality learning experience for our students. The principal goals include:
1. Provide a broad engineering education to our graduates that will prepare them for both current and future professional challenges.
2. Promote a commitment to continued scholarship and service among our graduates.
3. Foster a spirit of innovation so that our graduates are positioned to take advantage of new technology in our profession.
College of Engineering and Computer Science

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

Educational Objectives
Within the first several years following graduation, graduates should:
- Be successfully employed or employable in construction engineering practice in areas such as estimating, scheduling, program development, and construction project management, or related fields and/or be continuing their studies at the graduate level.
- Show a commitment to ethical practice and professional development by extending their knowledge through continuing education and self-directed 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 demonstrate knowledge of estimating, scheduling, project control, resource allocation, risk management, and legal issues.
4. Graduates will demonstrate knowledge of the role of an engineer involving ethics, professionalism, engineering practice and licensure.
5. Graduates will demonstrate the ability to conduct experiments, collect information, and analyze and interpret data.
6. Graduates will demonstrate an ability to communicate their ideas effectively through written and oral reports.
7. Graduates will demonstrate the ability to work in teams to solve engineering problems.
8. Graduates will understand the need to continuously update their knowledge through licensure, continuing education, and participation in professional societies.
9. Graduates will demonstrate proficiency in the design of construction processes, methods, and safety.
10. Graduates will be able to complete a comprehensive real-world construction engineering design project incorporating the use of design and regulatory standards, and realistic constraints that could include contemporary issues such as economics, globalization, societal impact and safety.

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

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

Additional notes:
- All students, by meeting the requirements for each degree, will be able to represent themselves as a Civil Engineer, an Environmental Engineer, a Construction Engineer or a combination thereof.
- The extra hours represent at least one additional semester of full-time enrollment, and represents the minimum requirements for the double major.
- The 17 hours of extra courses required for Civil Engineering majors pursuing Environmental Engineering as a second major would include all the required courses of Environmental Engineering: CHM 2046L, EES 4202C, EES 4111C, ENV 4120, ENV 4341, and a Biological or Earth Science, whichever course was not taken to satisfy the GEP.
- The 21 hours of extra courses required for Environmental Engineering majors pursuing Civil Engineering as a second major includes all the required courses of Civil Engineering, namely: SUR 2101C, CES 4100C, CEG 4011C, TTE 4004, CGN 3501C or EGN 3365, and either CES 4805 or CES 4702.
- The 16 hours of extra courses required for Construction majors pursuing Civil Engineering as a second major includes all the required courses of Civil Engineering, namely: CWR 4101C, CWR 4203C, EGN 3373, EGN 3343, and ENV 4561.
- The 19 hours of extra courses required for Civil Engineering majors pursuing Construction Engineering as a second major would include all the requirements of CECS 4202C, Construction Engineering: ACG 2071, CCE 4004, CCE 4402, CCE 4813, CCE 4034, and CCE 4810.
- One diploma indicating only one major will be awarded, both majors will be indicated on the student’s transcript. If a student desires two separate diplomas, a B.S.C.E., a B.S.Env.E, and/or a B.S.Con.E., this is permitted, per university policy, for students who have a minimum of 150 credit hours.

School of Electrical Engineering and Computer Science
Director: Issa Batarseh; HEC 437; 407-823-3957
Faculty: Bassiouni, Batarseh, Behal, Behdad, Boloni, Chatterjee, da Vitoria Lobo, DeMaria, Deo, Dutton, Foroosh, Georgiopoulos, Gomez, Gong, A. Gonzalez, Guha, Haralambous, Heinrich, Hu, Hua, Hughes, Jones, Kasparis, Lang, LaViola, Leavens, Lee, Liu, Llewellyn, Malochlo, Marinescu, Mikhail, Mukherjee, Oorio, Pattanaik, Qu, Richie, Shah, Shen, Simaan, Stanley, Sukthankar, Sundaram, Tappen, Turgut, Wahid, Wang, Weeks, Wei, Wocjan, Workman, A. Wu, T. Wu, Yuan, Zhang, Zhou, Zou

The Computer Science Program
The Computer Science program offers courses and programs leading to Bachelor of Science, Master of Science (see online Graduate Catalog), and Doctor of Philosophy (see online Graduate Catalog) degrees in Computer Science. In addition, the program offers minors in Computer Science and Information Technology.

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

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

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

Educational Objectives
1. To give CS graduates the knowledge and skills necessary to participate as effective team members or team leaders in the development of large computer and software systems covering a broad range of engineering and scientific applications.
2. Prepare CS graduates for professional careers in roles including, but not limited to, the following: computer programmer, software engineer, software systems designer, software applications developer, technical software project lead, computer systems analyst, computer systems programmer, software applications tester and maintainer.
3. To prepare CS graduates with the knowledge and skills to do advanced studies and research in computer science and related engineering and scientific disciplines.
4. To equip CS graduates with the communication skills, both oral and written, to become effective team-oriented problem solvers as well as effective communicators with non-technical stakeholders in computer and software systems development, maintenance, and administration.

Program Outcomes

1. All graduating CS majors, by the time of their graduation, shall be able to apply knowledge of computing and mathematics appropriate 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, while 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 their knowledge and understanding of, and ability to apply, programming fundamentals in at least three programming languages.
6. All graduating CS majors, by the time of their graduation, shall be able to effectively use information science and technology frameworks and techniques to the research and development of emerging technologies in the computing field.
7. 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, while applying best practices in software development processes, methods, and tools.
8. All graduating CS majors, by the time of their graduation, shall be able to apply knowledge of, and ability to apply, design and development principles in the construction of software systems of varying complexity.
9. All graduating CS majors, by the time of their graduation, shall be able to demonstrate their knowledge of, and ability to apply, programming fundamentals in at least three programming languages.
10. All graduating CS majors, by the time of their graduation, shall be able to demonstrate their knowledge of and understanding of, and their ability to apply the concepts and design principles relating to: data structures, programming languages, operating systems, and networks.

The Information Technology Program

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

Mission

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

Educational Objectives

1. To prepare IT graduates with the knowledge and skills necessary to be effective professional contributors or leaders in the design, administration and management of information technology systems, databases and networks commonly used by industry, government, education, research and non-profit organizations.
2. To prepare IT graduates for professional careers in roles including, but not limited to, the following: IT manager, IT systems analyst, network designer, network administrator, network security administrator, web applications developer, webmaster, database administrator, IT project leader, IT quality assurance.
3. To equip IT graduates with the communication skills, both oral and written, to become effective team-oriented problem solvers as well as effective communicators with non-technical users of information technology systems and applications.
4. To prepare IT graduates with the knowledge and skills to conduct advanced studies and research in disciplines for web-based applications, networking, information storage and retrieval, IT security, electronic commerce.

Program Outcomes

1. Demonstrate expertise in the main content knowledge of information technology.
2. Effectively use information science and technology frameworks (concepts, principles, methods, languages and theories) to design, analyze, and construct solution in a network-based environment.
3. Effectively apply scientific and mathematical principles, methods and techniques to the research and development of emerging technologies in the computing field.
4. Critically analyze and apply a range of information science and systems concepts, principles, and practices in the context of solving problems across a range of information technology problem domains.
5. Develop computer-based applications using the information technology body of knowledge.
6. Employ terminology for information technology accurately and effectively.
7. Use technical writing effectively and professionally for varied audiences.
8. Convey technical material through oral presentations of information technology related topics.
9. Effectively work on teams and critically analyze impact of IT on individuals, organizations, and society.
10. Understand roles and responsibilities of IT on issues related to profession, security, legal, ethics, society, and professional development.

Electrical and Computer Engineering Programs

The Electrical and Computer Engineering Programs offer baccalaureate degrees in both Electrical Engineering (BSEE) and Computer Engineering (BScPE). Graduate degrees leading to the Master of Science in Electrical Engineering (M.S.E.E.), Master of Science in Computer Engineering (M.S.CpE), and Doctor of Philosophy (Ph.D.) are also offered. The curriculum provides an integrated experience including humanities and social sciences, mathematics and basic sciences, engineering core, computing, and design experience. The laboratory experiences appropriately combine theory and practice in the Electrical and Computer Engineering programs through a logical progression of...
College of Engineering and Computer Science

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 System 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 and interpret data.
3. An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.
4. An ability to function on multidisciplinary teams.
5. An ability to identify, formulate, and solve engineering problems.
6. An understanding of professional and ethical responsibility.
7. An ability to communicate effectively.
8. The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context.
9. A recognition of the need for, and an ability to engage in life-long learning.
10. A knowledge of contemporary issues.
11. An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.
13. Knowledge of advanced mathematics typically including differential equations, linear algebra and complex variables.

The mission statement and objectives for the Computer Engineering and Electrical Engineering programs are electronically posted and continuously updated. More information on the Computer and Electrical Engineering programs can be found on the home page at http://www.ece.ucf.edu.

School of Electrical Engineering and Computer Science

Policies and Procedures

The School’s web site (http://www.eecs.ucf.edu) is a central point from which visitors may view current policies and procedures of our programs. In particular, links from this page provide up-to-date answers to frequently asked questions (FAQ’s) concerning academic advisement, student professional societies, undergraduate research opportunities, and means to effectively communicate concerns (comments, suggestions, complaints). We ask that you visit this site and follow its guidelines before you send e-mail and letters, or make phone calls to faculty members and administrators.

Department of Industrial Engineering and Management Systems

Chair: Waldemar Karwowski; ENG2 312; 407-823-2204; Fax 407-823-3413

Faculty: Calabrese, Crompton-Young, Elshennawy, Geiger, Hoekstra, Karwowski, Kotnour, Lee, Malone, McCauley-Bush, Mollaghasemi, Nazzal, Pet-Armacost, Proctor, Rabelo, Reilly, Sala-Diakanda, Sepulveda, Thompson, Williams

Industrial Engineers work to continuously improve the design of systems, processes, or products. They design systems that translate a specific product design into a physical reality in the most productive manner and with the highest possible quality. In doing so, the industrial engineer deals with decisions regarding the utilization of people, materials, machines, and automation (including robotics). Industrial engineers are also skilled in Engineering Economic Analysis and Information Management since they are generally considered to be the natural interface between the technical specialist and management.
Industrial Engineers are generally sought in industry, service, and government organizations. In the industrial sector, the industrial engineer is concerned with improving productivity and quality of the manufactured products and management of organizations. In the service sector, the industrial engineer is concerned with determining the most productive manner in which to deliver high-quality service to the customer. In government organizations the industrial engineer is active in assuring that tax payers receive maximum service for their tax dollars.

The Industrial Engineering approach is characterized by a systematic evaluation of alternatives using quantitative analysis and computer simulations. As such, quantification and measurement play a key role in the day to day activities of the industrial engineer.

Engineering design experiences are incorporated into many of the required industrial engineering core courses. For instance, students learn how to apply the principles of engineering design to production systems and cost estimation in EIN 3354, to work methods and process flows in EIN 3314, and to facilities design and plant layout in EIN 4364. The design experience concludes with a real-world system design in the two-semester capstone design sequence, EIN 4516 and EIN 4891.

Mission
To produce industrial engineering leaders who design and improve operations in industry, business, and government for the global economy of the 21st century. Specifically, we seek:

1. To provide graduates with the necessary knowledge and skills to assume challenging jobs in leading private and public organizations, pursue advanced studies, or start-up their own businesses.
2. To provide employers with graduates who are technically competent, have basic management and inter-personal skills, and ability to professionally grow and develop their careers.
3. To provide the society with graduates who conduct themselves professionally and ethically and who appreciate the impact and importance of their work on society.

Educational Objectives:
1. To produce graduates capable of applying mathematics, science, and engineering fundamentals to practical engineering problems.
2. To produce graduates who recognize that engineering is a service profession that must be practiced with integrity, honesty, and objectivity.
3. To produce graduates capable of designing experiments and analyzing data to characterize problems.
4. To produce graduates capable of designing systems, components, and processes to meet specific needs, and of applying industrial engineering techniques to solve problems.
5. To produce graduates who communicate effectively, both orally and in writing.
6. To produce graduates who contribute to multi-disciplinary team efforts.
7. To produce graduates who are responsible to the industrial engineering profession and to our modern global society.
8. To produce graduates who value life-long learning.

Program Outcomes:
1. Students will be able to apply mathematics, science and engineering fundamentals in classroom and real world projects.
2. Students will make responsible decisions and exhibit integrity in classroom and real world projects.
3. Students will be able to collect, analyze, and interpret data in classroom and project settings as well as drawing meaningful conclusions and developing sound recommendations.
4. Students will effectively utilize industrial engineering design and problem-solving skills in classroom and real world projects.
5. Students will communicate effectively, orally and in writing, to peers and superiors in classroom and real world projects.
6. Students will be able to work with persons of varied backgrounds in classroom and real world projects.
7. Students will incorporate contemporary global, economic, and social perspectives into the practice of industrial engineering.
8. Students will be able to measure the impact of global and societal issues on industrial engineering solutions to modern practical problems.
9. Students will explore options for professional growth, including graduate study, conference attendance, and professional society participation.
10. Students will utilize tools and techniques of industrial engineering to effectively and efficiently design systems, products and processes that meet the needs of the society.


Department of Mechanical, Materials, and Aerospace Engineering

**Interim Chair:** Louis Chow; ENSR 307: 407-823-2416; Fax 407-823-0208

**Faculty:** An, Basu, Bishop, Q. Chen, R. Chen, Chew, Cho, Chow, Coffey, Fang, Fenton, Gordon, Gou, Ilebusi, Kile, Kapet, Kassab, Kumar, Lin, Minardi, Moslehy, Nicholson, Orlovskaya, Raghavan, Seal, Sohn, Suryanarayana, Vaidyanathan, C.Xu, Y. Xu

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, structure 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 curriculum and grows throughout the curricula with increased emphasis on student creativity, open-ended problems, materials selection, design methodology, feasibility considerations, alternative solutions, and concurrent design, and culminates in the senior capstone design courses. The use of computers and written and oral communication are part of the design experiences throughout the programs.

**Mission: Aerospace Engineering**
In support of the University and College missions, the Aerospace Engineering program at UCF is committed to provide the highest quality engineering professionals and leaders. Through cooperative efforts with regional aerospace industry and the Florida Space Institute, our graduates will be well prepared for their role as engineers in society and will have an awareness of ethical, environmental, economic, safety, and quality issues. They will be educated to be life-long learners, pursuing their personal and professional development. Through these characteristics our graduates will be able to rise to positions of prominence in the technical society of tomorrow.

**Educational Objectives:**
1. **Career Preparation:** The program prepares graduates for employment as engineers in aerospace or allied disciplines, and for graduate study in engineering, business, or allied areas. Students will utilize tools and techniques of industrial engineering to effectively and efficiently design systems, products and processes that meet the needs of the society.
2. **Skills:** To prepare graduates with skills enabling them to be productive in their chosen career. These tools include understanding contemporary topics in aerospace technology, command of modern engineering tools, design experience, and professional experience appropriate to their post-graduation goal.
3. **Professionalism:** To produce graduates who communicate effectively, who understand and undertake professional responsibilities, and who function effectively as members and leaders of multidisciplinary teams.
4. Life-long Learning: To produce graduates who believe that their undergraduate aerospace engineering education was a wise investment and who desire to continue to develop their knowledge and skills throughout their careers.

Program Outcomes
1. An in-depth understanding of engineering principles and aerospace concepts in a core area of engineering. Students emphasizing aeronautics will have a command of aerodynamics, aerospace materials, structures, propulsion, flight mechanics and stability and control. Students emphasizing astronautics will have the command of topics such as orbital mechanics, attitude determination and control, launch processing, space structural dynamics, etc.
2. A broad understanding of engineering, and scientific principles & responsibilities, and the ability to apply these principles to design and analysis.
3. A broad understanding of social, cultural, and ethical principles and responsibilities.
4. An ability to identify, define and solve complex problems that cut across disciplines.
5. An ability to apply math, science, and engineering to problems at the interface between component design and system design.
6. An ability to communicate effectively using appropriate technology and efficiently use information resources.
7. An ability to work collaboratively in multi-disciplinary teams and understand team dynamics.
8. The ability to generate questions and hypotheses, design experiments that will provide meaningful answers, and collect and interpret measurements from aerospace engineering applications.
9. The ability to adapt to sociological and technological change.
10. A significant professional or research experience prior to graduation demonstrating their ability to describe a range of design options, to evaluate the tradeoffs for each option, to understand the need to design for manufacturability and production, and to integrate these concepts to select the best option.
11. The ability to use modern engineering tools in experiments, analysis and design, and to assess the appropriateness of these tools.
12. An understanding of contemporary aerospace engineering applications of technology and their uses in engineering practice.

Mission: Mechanical Engineering
In support of the University and College missions, the Mechanical Engineering program at UCF is committed to provide the highest quality engineering professionals and leaders. Through cooperative efforts with regional industry, our graduates will be well prepared for their role as engineers in society and will have an awareness of ethical, environmental, safety, and quality issues. They will be educated to be life-long learners, pursuing their personal and professional development. Through these characteristics our graduates will be able to rise to positions of prominence in the technical society of tomorrow.

Educational Objectives
1. Career Preparation: The program prepares graduates for employment as engineers in mechanical or allied disciplines, and for graduate study in engineering, business, or allied areas. Students will emphasize mechanized 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, or the interface between component design and system design.
2. Skills: To prepare graduates with skills enabling them to be productive in their chosen career. These tools include understanding contemporary topics in mechanical technologies, command of modern engineering tools, design experience, and professional experience appropriate to their post-graduation goal.
3. Professionalism: To produce graduates who communicate effectively, who understand and undertake professional responsibilities, and who function effectively as members and leaders of multidisciplinary teams.
4. Life-long Learning: To produce graduates who believe that their undergraduate mechanical engineering education was a wise investment and who desire to continue to develop their knowledge and skills throughout their careers.

Program Outcomes
1. An in-depth understanding of engineering principles and mechanical concepts in a core area of engineering. Students will concentrate on mechanical systems, energy systems or material engineering with an emphasis on design.
2. A broad understanding of engineering, and scientific principles & responsibilities, and the ability to apply these principles to design and analysis.
3. A broad understanding of social, cultural, and ethical principles and responsibilities.
4. An ability to identify, define and solve complex problems that cut across disciplines.
5. An ability to apply math, science, and engineering to problems at the interface between component design and system design.
6. An ability to communicate effectively using appropriate technology and efficiently use information resources.
7. An ability to work collaboratively in multi-disciplinary teams and understand team dynamics.
8. The ability to generate questions and hypotheses, design experiments that will provide meaningful answers, and collect and interpret measurements from 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 ROTC home page at http://airforce.ucf.edu and the Air Force ROTC home page at http://www.afrotc.com.

Curriculum:
Students enrolled in the Air Force ROTC program may major in any academic discipline and earn a minor in Aerospace Studies. A major is not offered by this department. AFROTC courses are listed under the prefix AFR. The curriculum is divided into two phases:
1. General Military Course (GMC)
The General Military Course is designed to give students their first exposure to the Reserve Officer Training Corps program during their freshman and sophomore years. The courses deal with the mission, organization, and structure of the US Air Force, and the development of air power into a prime element of American national security.
2. Professional Officer Course (POC)
The Professional Officer Course is designed to develop and hone managerial and officer skills during a student’s junior and senior years. All students who seek a commission through the Air Force ROTC must complete the POC curriculum. The curriculum involves the study of concepts of leadership and management in the Air Force and an analysis of the formulation and implementation of American defense policy.
Leadership Laboratory

Leadership Laboratory is a required lab that must be taken in conjunction with the academic class. Leadership Laboratory is only open to students who are members of the Reserve Officer Training Corps or are eligible to pursue a commission as determined by the Professor of Aerospace Studies.

Requirements for entry into the Professional Officer Course

- Be at least 17 years of age at the time of acceptance
- Be able to complete the Professional Officer Course and complete all degree requirements prior to reaching age 29 if entering Flight Training, or before age 30 (can be waived to age 35) if entering a non-flying Air Force specialty
- Pass the Air Force Officer Qualifying Test
- Pass an Air Force medical examination
- Pass the Air Force Physical Fitness Assessment each semester
- Selection by the Professor of Aerospace Studies
- Successful completion of a summer Field Training course (either four or five weeks)
- Enlistment in the Air Force Reserve certifying agreement to complete the POC and accept an Air Force Commission. This enlistment is terminated upon receipt of a commission

Monetary Allowance

All contracted students enrolled in the Professional Officer Course receive a tax-free monetary allowance of $450 or $500 per month based on their academic classification.

Air Force ROTC Scholarship Program

Scholarships are phased between two and four years and are awarded on a competitive basis. 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 program and entering active duty, they will serve a minimum active duty tour which varies in length depending on their particular career area (typically four years). Such obligations are explained in detail during the one-on-one counseling sessions conducted with each candidate by detachment officers.

Air Force ROTC (Military Science)

Chair: LTC Sean Morgan; Trailer 501, Room 110

Faculty/Staff: LTC (R) Morales, MAJ Celeste, MAJ Smith, CPT Hall, LT 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. Students may be selected as guaranteed Army Reserve or National Guard position. The program offers both a four-year and two-year option for students working on their Baccalaureate or Graduate degrees. Program now offers 4, 3, and 2 year scholarship options. The four-year option requires completion of one military science course and a leadership laboratory that must be taken in conjunction with the academic class every semester. The two-year option allows students with at least two academic years remaining to complete their degrees to meet all requirements for commissioning by receiving placement credit for the first two years (Basic Course) and completing the last two years (Advanced Course). Students are 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 Program在网上提供的学生选择包括基础课程和高级课程。学生可以选择同时参加陆军的Simultaneous Membership Program（SMP），该计划结合了陆军预备役和军官候选人训练课程。
5. Placement Credit
Placement credit for the Basic Course can be offered to students with prior service, 3 years of Junior ROTC, and completion of the Leaders Training Course (see below). Placement credit for prior service is extended to include Active duty, Reserve Forces and National Guard. Although prior service and Junior ROTC waives the Basic Course, a student that qualifies for placement credit may elect to enroll in the Basic Course.

6. Daytona Beach Campus Students
These students should contact the Professor of Military Science at Embry-Riddle Aeronautical University, Daytona Beach, Florida, 904-239-6469. Students will participate in a Field Training Exercise (FTX) and will commission, if qualified, with Embry-Riddle.

Summer Training Courses
1. Basic Course Summer Training (Leader Training Course)
Under the two year option a student can earn placement credit for the Basic Course by attending a 31-day course at Fort Knox, Kentucky. Students attending the summer course receive approximately $800.00 pay. Additionally, all lodging, meals and transportation are furnished. Uniforms will be provided at no expense to the student.

2. Specialized Summer Training Courses
Qualified students can be selected to attend specialized military training occurring the summer months. These areas of training include: a) Airborne Training; b) Air Assault Training; c) Northern Warfare Training; d) Cadet Troop Leadership Training; and e) Mountain Training.

3. Leadership Development and Assessment Course (LDAC)
All Advanced Course students must attend and successfully pass a five week camp conducted at Fort Lewis Washington prior to receiving a commission as an Army Officer. This camp evaluates a student’s leadership performance and potential. LDAC waives the 9 hour summer school requirement for Army ROTC Cadets. Students normally attend LDAC the summer following their junior year and receive approximately $800 pay for the training.

Program Academic Learning Compacts (student learning outcomes)
for undergraduate programs in the College of Engineering and Computer Science are located at: http://oeas.ucf.edu/alc/alc_students_coecs.htm

The College fosters excellence in undergraduate and graduate education, research and community services in health, social and justice services. In addition to a PhD program in Public Affairs the College houses both undergraduate and graduate interdisciplinary programs that contribute to a solid educational foundation in public affairs.

**General Requirements for the Bachelor’s Degree**

Some Schools, Departments or Programs in the College are upper division, limited access or restricted programs. Acceptance by or registration at the University does not constitute admission to the following: School of Social Work, and the Programs in Athletic Training, and 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 Web site.

The following Departments and Programs do not have restrictions on admissions: Communication Sciences and Disorders, Criminal Justice, Legal Studies, Public Administration, Health Sciences - Pre-Clinical Track, and Health Services Administration.
Department of Communication Sciences and Disorders

Chair: TBA, 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 1896. Students must plan their major or minor in consultation with a departmental advisor to meet their individual interests and career objectives.

In addition to course work in communication sciences and disorders, the department offers an array of courses in American Sign Language and related topics.

Degrees: Communication Sciences and Disorders (BA, BS, MA)
PhD in Education, Communication Sciences and Disorders Track

Tracks: None

Minors: Communication Sciences and Disorders

Certificates: Language Development and Disorders

Department of Criminal Justice and Legal Studies

Chair: Robert Langworthy, HPA 311, 407-823-2603


The Department of Criminal Justice and Legal Studies includes two undergraduate degree programs: Legal Studies and Criminal Justice. The department supports Lambda Alpha Epsilon, the professional Criminal Justice fraternity, and Alpha Phi Sigma, the Criminal Justice Honor society and Phi Alpha Delta the Legal Studies professional society.

Program in Criminal Justice

Criminal Justice is a problem-based field of study which focuses on the nature of crime and crime control agencies in a democratic society. The curriculum reflects the dynamic nature of the field and prepares students for challenging careers in public service.

Program in Legal Studies

The Legal Studies Program provides students with a broad understanding of basic principles of law and the role and function of the legal system. The legal studies program, in addition to preparing students for law-related careers, provides a foundation for law school or other graduate education. All of the full time Legal Studies faculty are attorneys who are graduates of ABA approved law schools and are available for law school advising. Satisfactory completion of program requirements leads to the degree of Bachelor of Arts or Bachelor of Science with a major in Legal Studies.

Degrees: Criminal Justice (BA, BS, MS), Legal Studies (BA, BS)

Tracks: None

Minors: Criminal Justice, Legal Studies


Department of Health Management and Informatics

Chair: Aaron Liberman, HPA 210, 407-823-2359


The mission of the Department of Health Management and Informatics is to be the leading program in training Health Services executives in Central Florida. In order to realize this mission, the department offers two undergraduate degree programs in Health Services Administration and Health Informatics and Information Management. Each program is designed to provide students with the skills and knowledge necessary to become a leader in the field of health care management.

Program in Health Services Administration

The department offers a baccalaureate degree in Health Services Administration. The baccalaureate degree is designed for students who desire to study the business side of health care. The primary goal of the program in Health Services Administration is to prepare managers to direct a variety of health care organizations such as hospitals, HMO’s, clinics and any other organization involved in the delivery or management of health care services. The undergraduate curriculum is consistent with the curricular requirements of the Association of University Programs of Health Administration, stressing administration, policy and planning skills. A diverse health care community offers students a variety of internship experiences as well as providing placement opportunities upon graduation. Faculty members are actively engaged in research relating to management, conflict resolution, occupational stress, outcome assessment, and integrated delivery mechanisms.

Persons within the health care industry with associate of science degrees in areas such as nursing, respiratory therapy, radiologic technologies, medical laboratory technology, dental hygiene, and others may find this program provides a migration path from the clinical side of the health care industry to the leadership side. Students willing to develop a background in the health care industry can build a solid understanding of the complexity of managing health services organizations.

Program in Health Informatics and Information Management

Health Information Managers are professional members of the modern health care team responsible for: 1) the acquisition and supervision of complete medical records on each patient, 2) the design and management of health information systems which collect, process, store, retrieve, and release health information and statistics, 3) assistance to administration, other health professionals, and medical staff in developing quality assurance programs by abstraction of medical data, preparation of statistical reports, and analysis of information, and 4) assistance in collection and analysis of data for public health services planning.

The curriculum of the Health Informatics and Information Management program is approved by the Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM).

The HIIM Program is a limited access program and requires a separate application to the program by March 1 of the year in which admission is sought. Graduates of the Health Informatics and Information Management program are eligible to take the AHIMA Registered Health Information Administration Certification examination. Upon successfully passing the examination, the graduate will be recognized as a Registered Health Information Administrator (RHIA).
Department of Health Professions

Interim Chair: Aaron Liberman, HPA2 210, 407-823-2214

Faculty: Angelopoulos, Douglass, Gosnell, Hanney, Jameer, McDonough, Pabian, Rothschild, Schellhase, Shack-Dugre, Shideiler, Smith, Tucker, Welker, Worrell.

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

Program in Athletic Training

The Program in Athletic Training at the University of Central Florida is a six semester program where students complete 12-15 credits per semester while engaged in clinical affiliations. The core of athletic training coursework emphasizes the competencies and proficiencies necessary for successful clinical practice in a variety of settings in which certified athletic trainers are presently employed. A significant and important aspect of the educational process is the series of clinical experiences that occur in a variety of settings under the direction of an approved clinical instructor and certified athletic trainer. These local affiliation sites include high schools, colleges, universities, rehabilitation clinics, and professional athletic organizations. Upon successful completion of the course of study, the graduate with a Bachelor of Science degree in Athletic Training is eligible to take the National Board for Certification (BOC) Exam. By successfully passing the exam, the graduate will be recognized as a certified athletic trainer (ATC). The Program in Athletic Training is accredited by the Commission on Accreditation of Athletic Training Education (CAATE). This is a competitive program that requires a separate application process following acceptance into the University. Consent from the program director is required.

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

Program in Health Sciences-Pre-Clinical Track

The Health Sciences-Pre-Clinical Track is a preparatory program for 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

Department of Public Administration

Chair: Mary Ann Feldheim, HPA2 238, 407-823-2604


The Department of Public Administration offers a variety of degrees, minors and a certificate providing students with a broad understanding of public and nonprofit management. The public sector is vast and includes over 20 million employees, and the nonprofit sector has expanded to nearly half that number as governments transition the provision of services through nonprofit organizations. The Department prepares students for professional careers in public service at the city, county, state and federal levels. Currently the public sector in the United States includes over 87,000 governments, of which the federal government is but one. The Bachelor of Arts or Science degrees with a major in Public Administration enable students to attain entry level positions in government and other nonprofit organizations. Those seeking senior management and executive positions are strongly encouraged to pursue the Master of Public Administration (MPA) or Master of Nonprofit Management (MMN). Students with interests that go beyond the Masters level may also pursue a Ph.D. in Public Affairs.

There are numerous public and nonprofit employment opportunities with jobs available in nearly every area of specialization. For instance, public servants include engineers, accountants, fire fighters, police, physicians, nurses, botanists, chemists, nutritionists, project managers, community planners, city and county administrators, social workers, psychologists, psychiatrists, policy analysts, grant writers, contract managers, quality assurance managers and evaluators. The range of employment opportunities is extraordinary and includes a variety of management and staff positions in environmental protection, homeland security, human resources, nonprofit management, urban planning, economic development, policy and administration and emergency management, among others. The salaries are generally competitive with private industry, despite common misconceptions to the contrary. Employment in the public and nonprofit sector provides graduates with the opportunity to “make a difference” in their communities on a national, state or local level.

Degrees: Public Administration (BA, BS, MPA, MNM)
Tracks: None
Minors: Public Administration, Urban and Regional Planning, Emergency Management and Homeland Security, Non-Profit Management Minor with American Humanities National Certification Program

Certificates: Nonprofit Management

School of Social Work

Director: John Romnau, HPA 204, 407-823-2114

Faculty: Abel, Bricout, Buckey, Gammonley, Hall, Kohn, Lambert, Lawrence, Leon, Molina, Ramos, Rothenberg, Steen, Walsh, Withers.

The School of Social Work BSW Program (undergraduate social work program) prepares baccalaureate level students for entry level positions within diverse human service organizations. Today social workers are continuing their efforts in Congress, hospitals, mental health centers, schools, substance abuse programs, neighborhood centers, nursing homes, homeless shelters, hospice programs, and many other settings. Social workers work with people from all backgrounds to help them find ways to live richer and more productive lives.

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

The strengths perspective is central to the social work profession emphasizing resources, capabilities, resilience, and sees obstacles as challenges. We help anytime, anywhere. Help Starts Here!

The School of Social Work also offers Certificate Programs in Aging Studies and Children’s Services. If a student wishes to pursue their academic endeavors further, the School of Social Work also offers a Master’s in Social Work.

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

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Health and Public Affairs are located at:

http://oeas.ucf.edu/aic/aic_students_cohpa.htm
The Burnett School of Biomedical Sciences is a major partner in the interdisciplinary Ph.D. program in Biomedical Sciences. The Burnett School of Biomedical Sciences offers undergraduate majors in the biomedical sciences: Biotechnology, Medical Laboratory Sciences, and Molecular Biology and Microbiology. The school also offers master’s degrees in Molecular Biology and Microbiology and Biotechnology as well as an interdisciplinary doctoral degree in Biomedical Science.

The UCF College of Medicine is a forward-looking medical school with a culture based on partnerships and collaboration. Our medical and biomedical programs capitalize on UCF’s existing strengths in biological sciences, modeling and simulation, engineering, optics and photonics, psychology, chemistry, film and digital media, business, and nursing.

The undergraduate and graduate programs in the Burnett School of Biomedical Sciences are offered at the UCF main campus. The M.D. program and state-of-the-art biomedical research facilities are an integral part of the growing medical city at Lake Nona. The newly opened Burnett Biomedical Sciences building soon will be joined by a variety of ways to pursue their career dreams.

In August 2009, the college welcomed an outstanding charter class of 41 M.D. students. This class had the highest average MCAT score and GPA of any incoming class of medical students in Florida in 2009, and with more than 4,300 applicants, the college was among the most selective in the nation. Starting 2013, the M.D. program will admit 120 students each year, while the Burnett School is already home to more than 2,500 undergraduate, graduate, and doctoral students. The Burnett School of Biomedical Sciences offers undergraduate majors in the biomedical sciences: Biotechnology, Medical Laboratory Sciences, and Molecular Biology and Microbiology. The school also offers master’s degrees in Molecular Biology and Microbiology and Biotechnology as well as an interdisciplinary doctoral degree in Biomedical Science.

The Undergraduate Catalog 2010-2011
Program in Molecular Biology and Microbiology
Undergraduate Coordinator: Dorilyn Hitchcock; HPA2 335A; 407-823-5932
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, chiropractic and dentistry).

Degrees: Molecular Biology and Microbiology (B.S., M.S.)
Molecular Biology and Microbiology Preprofessional Concentration (B.S.)

Tracks: None
Minors: Molecular Biology and Microbiology

Molecular Biology and Microbiology UCF/USF Accelerated Medical School Program (B.S.)
Students must apply for this program through the Burnett Honors College prior to attending UCF. Eligibility requirements include Florida residency, unweighted minimum high school GPA of 3.7 and SAT score of 1300 or ACT score of 29. More information about the admissions process can be found in the catalog under: Burnett Honors College: UCF/USF Accelerated Medical School Program.

Students desiring admission to University of South Florida College of Medicine [USFCOM] through the accelerated program will meet all USFCOM admission requirements and obtain a B.S. in Molecular Biology and Microbiology after completion of first year of the medical school curriculum.

Program in Biotechnology
Director and Graduate Coordinator: Henry Daniell; 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/laboratory environment, providing them with more "hands on" laboratory experiences and opportunities for research. These students will be provided an industrial perspective and an understanding of product development at the same time as they are trained in the molecular techniques required for such development.

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

Program in Medical Laboratory Sciences
Director: Dorilyn Hitchcock; HPA2 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 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; 407-823-5787;
Academic Advisor: Ana Maria Schwindt; HPA2 337; 407-823-1259
E-mail: bcbsinfo@mail.ucf.edu

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

Biomolecular Science Center
Director: P.E. Kolattukudy; BL 136; 407-823-1312
Ph.D. Coordinator: Steven Ebert; BL 321A; 407-823-1312

The mission of this university-wide interdisciplinary academic center is to establish vibrant research and training programs under the general theme, “Molecular and Genomic Bases of Diseases and Therapeutics.” The Center research is focused in four areas: cancer, cardiovascular disease, infectious disease, and neurodegenerative disease.

The Biomolecular Science Center currently works with the Office of Research and the broader UCF research community to establish state-of-the-art research infrastructure and core facilities to support research in modern life sciences.

Within the next few years, the Center plans to hire approximately 20 new faculty research teams in Biomedical Sciences within its theme area. Additional faculty will be hired in partnership with other academic units including the College of Optics and Photonics and the Nanoscience and Technology Center. Together with the existing faculty, this growth in biomedical sciences is expected to create a critical mass of people conducting interdisciplinary research at the cutting edge in biomedical sciences that can have a significant impact on the biomedical technology industry of the region and the state.

The Biomedical Sciences Ph.D. is a major vehicle for training students for biomedical research careers in industry, institutes and universities. In addition, the center intends to help establish new degree programs in cooperation with other academic units to generate a skilled workforce that can serve the region and state’s growing biomedical biotechnology industry.

Degrees: Biomedical Sciences (Ph.D.)
Tracks: None
Minors: None

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

The Pre-Health Professions Advisement Office serves students university-wide in preparing for and seeking admission to professional health science schools, such as medicine, veterinary, pharmacy, podiatry, physician assistant, physical therapy, optometry, chiropractic and dentistry.

For more information regarding this office, please refer back to the “Academic Advising” section of this Undergraduate Catalog.

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Medicine are located at: http://oes.ucf.edu/alc/alc_students_bcms.htm
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 1981. The college has achieved prominence as an innovator in nursing education, responding to a changing population with complex health care needs. The faculty of the college values access to education and embraces opportunities to utilize advanced technology, innovation and creativity to provide graduates with the highest quality education at the baccalaureate, master’s and doctoral levels.

Today’s challenging health care environment provides unique opportunities for nursing. Nurses are needed more than ever to provide evidence-based patient care, serve in leadership roles, teach, engage in research, and influence policy.

The mission of the College of Nursing is to offer high quality undergraduate and graduate academic programs designed to prepare nurses to practice in a continuously changing health care environment; to provide innovative access to education and research; to develop nurse clinicians, leaders and scholars who promote the health of diverse populations in local, national and global communities; and to touch lives lead by example and make a difference through clinical excellence, research and community service.

The College of Nursing offers a Bachelor of Science in Nursing (BSN) degree, the basis for professional nursing practice. The program has three tracks: basic, accelerated and RN to BSN. The basic and accelerated tracks prepare students for initial licensure as a registered nurse. The basic program is also offered at the Cocoa and Daytona regional campus sites. Students with a prior baccalaureate or higher degree from a regionally accredited college or university are eligible for the Accelerated Second Degree BSN option. The BSN graduate is prepared to provide comprehensive care in a variety of acute, community, and rehabilitative settings. The program emphasis includes clinical nursing practice, health promotion and maintenance, and preparation for assuming leadership roles. The baccalaureate curriculum provides the foundation for graduate study in nursing.

The RN to BSN track offers registered nurses with an associate degree or diploma in nursing an opportunity to earn a BSN. Each applicant is reviewed individually and guided to prevent repetition of previous coursework. RNs may submit applications during any semester. Contact the College of Nursing for specifics on the RN to BSN program. Courses are offered in Orlando, Cocoa, Daytona Beach, Leesburg and Ocala campuses, as well as online.

The goal of the Master of Science in Nursing (MSN) degree is to prepare advanced practice nurses to assume leadership positions in a variety of healthcare settings. Program tracks include Clinical Nurse Leader, Nurse Educator, and Nursing Leadership and Management. Minimum hours for the degree are 36-49 hours of graduate work depending on the major. An evidence-based scholarly project is required. Students must be a licensed Registered Nurse to enter this program. A certificate in Nursing Education is available for students with a bachelor’s degree in nursing or a related health field.

The Doctor of Philosophy in Nursing (PhD) program prepares nurse scientists to assume positions as nursing faculty, leaders in the application of innovative technologies to nursing education and clinical care, executive leaders in health care systems and scientists who contribute to the body of nursing knowledge through research.

The Doctor of Nursing Practice (DNP) program prepares nurse practitioners and nurse practitioners for leadership roles in specialized areas of advanced practice nursing. This program prepares nurses at the highest level of practice for the current health care environment based on a strong scientific foundation for practice; flexibility and emphasis on evidence-based practice, leadership, and organizational analysis; and analysis of practice including completion of a residency project during the capstone clinical residency year.

The College of Nursing BSN and MSN programs are accredited by the Commission on Collegiate Nursing Education (CCNE). The BSN Program is approved by the Florida Board of Nursing. All programs are limited access and require a separate application to the College of Nursing.

Degrees: Nursing (BSN) (MSN) (PhD) (DNP)
Tracks: RN to BSN, Basic BSN, Accelerated BSN degree, ASN to BSN Concurrent, AS to BSN, RN to MSN
Minors: None

General Requirements for the Bachelor’s Degree
- Programs in the College of Nursing are upper division, limited access programs.
- Acceptance by or registration at the university does not constitute admission to the College of Nursing.
- Application must be made to the appropriate program in Nursing.

Additional information regarding prerequisites and minimum grade point averages may be obtained from the college Web site: http://www.nursing.ucf.edu

Academic Advisement
Office of Undergraduate Student Services
HPA 220, 407-823-2744

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

Programs and Degrees
Major Degree
Nursing BSN, MSN, PhD, DNP

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Nursing are located at: http://oebas.ucf.edu/alc/alc_students_con.htm
CREOL, The College of Optics and Photonics
Dean and Director: Bahaa Saleh; 407-823-6800; E-mail: info@creol.ucf.edu
http://www.creol.ucf.edu

The College of Optics and Photonics is a graduate school for research and education in optics, lasers, and photonics. CREOL (Center for Research and Education in Optics and Lasers), FPCE (Florida Photonics Center of Excellence), and the Townes Laser Institute (TLI) are research centers within the College, but CREOL predates the College by many years and we are best known internationally under this name. CREOL was established in 1986 to provide the highest quality education in optics and lasers, conduct scholarly fundamental and applied research, and aid in the development of Florida’s high technology-based industries.

CREOL, FPCE, and TLI are the research arms of the College, which offers Masters (MS) and Doctoral (Ph.D.) Degrees in Optics. CREOL has become an internationally recognized institute with 40 faculty members, 69 Ph.D. level research scientists, and 146 graduate students. The faculty are recognized as being among the best in the optics/laser/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 Incubation Program.

The research activities span the spectrum from basic science to prototype development. The faculty and research staff pursue joint research projects with industry, academia, and government laboratories, and are always seeking new opportunities to work with industry to expose students to the industrial environment and to help in technology transfer. Current research areas include: nanophotonics, biophotonics, imaging science, plasmonics, high-speed photonics networks and telecommunications, solid state laser development, nonlinear optics, laser induced damage, quantum-well optoelectronics, photonic information processing, infrared systems, optical system design, image analysis, virtual reality, medical imaging, diffractive optics, optical crystal growth and characterization, high intensity lasers, x-ray optics, EUV sources, optical glasses, liquid crystal devices, laser materials processing, quantum optics, and light-matter interaction. These programs are supported by over $17 million of research grants and contracts annually from numerous federal and state agencies and industry.

Graduate assistantships, with stipends ranging from $20,000 to $26,000, plus full tuition waivers, are available to outstanding students pursuing graduate education in optics and photonics. Research training opportunities are also available to undergraduate students through the Research Experience for Undergraduates (REU) program sponsored by the National Science Foundation, and other research grants and contracts.

CREOL has a very active Industrial Affiliates Program to facilitate strong cooperative relations with industry. The program, with over 60 members, provides industry with benefits of ready access to cutting-edge research and to the expertise and facilities of the College. Faculty members also team with small businesses to help them compete for federally sponsored Small Business Innovative Research (SBIR) programs. The program provides industry with effective ways to contribute to and sustain the research and teaching of optics and photonics.
The College of Sciences, the largest academic unit at the university, educates and conducts research in physical, life, social, and behavioral sciences. The College houses the departments of Anthropology, Biology, Chemistry, Mathematics, Physics, Political Science, Psychology, Sociology, and Statistics; the Nicholson School of Communication; and the National Center for Forensic Science.

The College is responsible for all programs in the sciences and the departments collectively offer 50 baccalaureate, graduate, certificate, and pre-professional programs. For additional information concerning graduate programs, please refer to the Graduate Catalog: http://graduate.ucf.edu/currentGradCatalog/

Undergraduates enrolled in the College must fulfill all University degree requirements, including those for general education, as well as the requirements of the degree program. To be certified for graduation, a student must achieve at least a “C” GPA (2.0) in the courses of his or her major and/or minor. Some departments also require a minimum grade in specified courses and/or in portions of the program of study. Consult the program requirements and a departmental advisor for specific policies. For programs with a foreign language graduation requirement, American Sign Language is not considered a foreign language and will not satisfy the requirement unless specifically permitted within the major.

Preprofessional Programs

Prelaw Program

Prelaw Advisor: Roger Handberg; PH 302; 407-823-2608

There is no preferred major for pre-law. Law schools accept superior students with a good liberal arts or science background, regardless of major field. The quality of undergraduate education for the legal profession, according to the Association of American Law Schools, is grounded in three basic skills and insights: comprehension and expression in words, critical understanding of the human institutions and values with which the law deals, and the creative power of thinking. Law schools require that applicants take the Law School Admission Test (LSAT). General information pertaining to programs of study, the LSAT, careers, and law schools can be obtained from the Pre-Law Advisor. Advisement within the major is provided by the department offering the major.

Prehealth Professions

The College of Sciences offers many of the courses that fulfill admission requirements for professional schools in the Health Sciences. Refer to the Biology Preprofessional program of study for additional information.
Advisement
College of Sciences, Academic Services (COSAS)
Director of Undergraduate Services: Lee Anne Kirkpatrick; CSB 250; 407-823-6131; E-mail: cosas@mail.ucf.edu
http://undergrad.cos.ucf.edu/

The College of Sciences Academic Services (COSAS) is the primary office for undergraduate academic advisement for the College of Sciences. COS students will have at least two primary advisors, one within COSAS and one within the department of their major. Second year students transitioning from the “First Year” advising offices should make an appointment with their COSAS advisor by the end of the fall term of their second year at UCF. At that appointment, students will also then be referred to an advisor within the department of their major. New transfer students within COS should meet with their COSAS advisor and their department advisor by the end of their first term at UCF. COSAS assists students with degree requirements, policies, and procedures as well as coordinates orientation, registration, readmission, and graduation. COSAS advisors also work with students at risk of, and currently on, academic probation. Questions concerning University and College academic policies and requirements should be directed to COSAS. Questions concerning the specific requirements within a major or minor should be directed to the department offering the program. For additional information about COSAS, please visit our Web site.

Programs and Degrees

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<td>BA, MA, BS, Minor</td>
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<tr>
<td>Statistics</td>
<td>BS, MS, Minor</td>
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Department 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

Faculties:
- Barbara, A. Chan, C. Chase, Cowell, Dupras, Geiger, Groff, Howard, Lieberman, Long, Matejowsky, McIntyre, Mishal, Schultz, Sinnelli, Walker, Zorn; Professors Emeritus: Allyn Stearnan, Ron 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

Certificates: Crime Scene Investigation (undergraduate), Maya Studies (graduate)

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

Faculty: Bayer, Borst, Castalestia, Crampton, Fauth, Fedorka, Harris, Hinkle, Hoffman, Jenkins, Loguicde, Morrison-Shetlar, Noss, Parkinson, Quintana-Accengro, Shetlar, Sotero-Esteve, Stern, Thomas, Vajravelu, Von Hole, von Kalm, Walters, Weishampel, Worthy

Professors Emeritus: Ehnhart, Ellis, Kuhn, Koevenig, Snelson, Stout, Sweet, Taylor

The Department of Biology offers a Bachelor of Science in Biology, a Minor in Biology, the Master of Science in Biology, a Professional Science Masters in Conservation Biology, a graduate Certificate in Conservation Biology, a Ph.D. in Conservation Biology, and participates in interdisciplinary Ph.D. program in Biomedical Sciences. The core undergraduate curriculum provides a background in the chemical, mathematical, and physical sciences, as well as broad preparation in the biological sciences. This diverse background provides flexible career opportunities for graduates, including science-related employment and professional or graduate schools. Selection of electives, in consultation with a faculty advisor, permits emphasis on a subdiscipline. Careful selection of restricted and unrestricted electives allows students to satisfy requirements for admission to professional or graduate school while completing their B.S. degree in Biology. Research experience and exposure to specialized topics not taught through formal courses may be gained through independent study.

Degrees: Biology (BS, MS), Conservation Biology (PSM, PhD)

Tracks: Biology Pre-professional (BS)

Minors: Biology

Department of Chemistry
Chair: Kevin D. Belfield; CH 117; 407-823-2246
E-mail: chemstaf@mail.ucf.edu
http://chemistry.cos.ucf.edu/

Associate Chair and Undergraduate Coordinator: Pedro Patino; CH 107A; 407-823-2246

Faculty: Ballantyne, Belfield, Blair, Campiglia, Clausen, Datta-Gupta, Diaz, Dixon, Elsheimer, Frazer, Geiger, Hampton, Hernandez, Hickman, Igarashi, Kopolashchikov, Kuebler, Kujawa, Liao, Mattson, Mierzwa, Miles, Miller, Patino, Sigman, Ye, Zou

The Department of Chemistry offers courses and programs leading to a Bachelor of Science in Chemistry, Bachelor of Science in Forensic Science, minor in Chemistry, Master of Science in Industrial Chemistry, Master of Science in Forensic Science, and Ph. D. in Chemistry. The department also participates in the Ph.D. in Biomedical Science. The undergraduate degree program in chemistry is accredited by the American Chemical Society Committee on Professional Training. It prepares the graduate for career opportunities in the chemical or related industries, or in government laboratories. The program also prepares students for further study at the graduate level in chemistry or in a related area such as materials science, pharmacology, or toxicology. With an appropriate choice of electives it also constitutes excellent preparation for the professional schools of dentistry, medicine, pharmacy, and veterinary medicine.
Nicholson School of Communication

**Director:** Robert C. Chandler, NSC 240; 407-823-2683

**Assistant Director:** Boyd Lindsey, NSC 240A; 407-823-6751
http://communication.cos.ucf.edu/

**Nicholson Academic Student Services Center:** NSC 143; 407-823-2681; E-Mail: nassc@mail.ucf.edu


**Faculty Emeriti:** Fedder, O'Keefe, Taylor, Wycoff

The Nicholson School of Communication provides communication studies with a balance of practical skills and theoretical aspects. The school prepares students to investigate, understand and effectively enact and understand human communication and/or mass communication. Some programs focus on communication media and train students for professional careers in mediated communication fields. The School is composed of four program areas each of which offers Bachelor of Arts degrees. The degrees are:

1. Advertising/Public Relations: Provides knowledge of theory, concepts, and practical skills in both advertising and public relations for professional careers.
2. Interpersonal/Organizational Communication: Provides knowledge of theory, and skills needed to understand, successfully predict and effectively interact with other human communicative behaviors in both professional and personal contexts including those necessary for interpersonal relationships, conflict management, intercultural interaction, employment in business, sales, and NPOs, and/or as background for advanced study in graduate school.
3. Journalism: Provides knowledge of theory and skills needed for careers as a journalist (newspapers, magazines, broadcast, and online forms of mass communication).
4. Radio-Television: Provides knowledge of theory and skills needed for careers in the field broadly defined as radio-television, including content creation, media production, broadcast journalism, media management and programming/promotions. In a broadcast, cable online or corporate environment.

**Facilities**

The Nicholson School of Communication building (NSC) provides a superior teaching/learning facility, including multi-media instructional classrooms. The Radio-Television area has fully-equipped audio and video production facilities, a complete multi-camera television studio, an online radio station, and laboratories for interactive multimedia. The Journalism area has computer writing and media lab. The Advertising/Public Relations Area has a computer writing and media lab. The Interpersonal/Organizational (I/O) Communication area has a presentation speaking classroom equipped for audio/video record/playback and computerized visual presentation. The I/O area also has a small group and interpersonal research laboratory equipped with research equipment and audio/video record/playback tools.

**Degrees:** Chemistry (BS, MS, PhD), Forensic Science (BS, MS)

**Tracks:** Chemistry, Biochemistry, Forensic Analysis, Forensic Biochemistry

**Minors:** Chemistry

**Department of Mathematics**

**Chair:** Piotr Mikusinski; MAP 209; 407-823-2826
E-mail: math@mail.ucf.edu
http://math.ucf.edu

**Associate Chair/Undergraduate Coordinator:** Heath Martin;
MAP 215A; 407-823-5700

**Faculty:** Brennan, Cannon, Carlson, Capursi, Choudhury, Clarke, Cleary, Dunlop-Pyle, Dultay, Dutton, Griffiths, Han, Higgins, Islas, Ismail, Kassab, Katsevich, Kaup, Lee, Li, Martin, Mikusinski, Mohapatra, Moore, Muhs, Nashed, Neval, Nicholson, Pensky, Qi, Reid, Ren, Richardson, Rollins, Schober, Schweitzer, Shvamoggi, Song, Sun, Swanson, Tamasan, Taylor, Tovbis, Vajravelu, Yong, Young, Zhao

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

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

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

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

**Degrees:** Mathematics (BS, MS, PhD)

**Tracks:** Applied Mathematics, Computational Mathematics, Engineering/Physics, Mathematical Economics, Mathematics, Pure Mathematics

**Minors:** Mathematics

**Department of Physics**

**Chair:** Talat Rahman; MAP 310; 407-823-2325;
E-mail: physics@ucf.edu
http://physics.cos.ucf.edu/

**Associate Chair:** Elena Flitsiani; MAP 315; 407-823-1156

**Faculty:** Bhattacharya, Bindell, Britt, Brueckner, Campins, Chernyak, Chow, Colwell, Cooney, Delf Barco, Dubey, Effimioiu, Fernandez, Flit-siyan, Harrington, Heinrich, Ishigami, Johnson, Kara, Khondaker, Klemm, Kokouline, Leuenberger, Ngwa, Luo, Martin, Montgomery, Muccioio, Peale, Rahman, Roldan-Cuenya, Saha, Schilling, Schulte, Stolbov, Tatulian, Tonner, Velissaris, Zhmudskyy; **Faculty Emeriti:** Bose, Brennan, Llewellyn; **Distinguished Professor:** Liboff

The Department of Physics offers a multi-track program of study leading to the B.S. degree, giving students the flexibility to choose a suitable set of courses to prepare for their career goals. A common core of courses in theoretical and experimental physics will lead to a broad understanding of the general principles of physics. The different tracks allow students to specialize, applying problem-solving techniques in a certain area of interest; this also enhances their qualifications for employment in that area after graduation.

After graduation our students are prepared to enter advanced study in physics, engineering, medicine, environmental sciences, astronomy, and other related disciplines. They are also prepared to begin careers in positions are varied as engineering physics, computational physics, and physics education. Undergraduate physics majors benefit from small class sizes, and are encouraged to be involved in individually designed senior projects working with a faculty advisor.

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

**Degrees:** Physics (BS, MS, PhD)

**Tracks:** General Physics, Materials Physics, Optics & Lasers, Computational Physics, Astronomy

**Minors:** Astronomy, Physics
Department of Political Science

Chair: R. Handberg; PH 302; 407-823-2608; E-mail: politics@ucf.edu
http://politics.ucf.edu/

Associate Chair: Aubrey Jewett; PH 302; 407-823-2608


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

Students should plan their major or minor in consultation with their departmental advisor according to their interests and career objectives. Political Science courses are divided into three areas of specialization: American Politics and Policy; International Relations and Comparative Politics; and Political Theory. It is strongly recommended that majors planning to continue their education at the graduate level or to pursue a career in international fields acquire a working knowledge of a foreign language beyond that required for the B.A. The Department of Political Science participates in the following programs:

- Asian Studies: Contact Houman Sadri, Quan Li, or 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 Aubrey Jewett.
- Latin American and Iberian Studies: Contact Waltraud Q. Morales or Bruce Wilson or Annabelle Conroy.
- Space Studies: Contact Roger Handberg.
- Women’s Studies: Contact Terri S. Fine or Annabelle Conroy.

Degrees:
- Political Science (BA, MA), International and Global Studies (BA)

Tracks:
- American Politics, International Relations & Comparative Politics, Prelaw

Minors:
- Political Science, Political Science/Prelaw, European Studies, International and Global Studies

Certificates:
- Diplomacy Certificate

Department of Psychology

Chair: R. Dipboye; PSY 301L; 407-823-2216; E-mail: psychology@ucf.edu
http://psychology.ucf.edu/

Associate Chair: T. Hernandez; PSY 301; 407-823-2216


Faculty Emeritus:
- Abbott, Burroughs, Morgan, Rollins, Thomas-Jenkins, Tucker

The Undergraduate Psychology Program has two primary missions: to prepare students for graduate training in psychology or related fields, and to provide the skills needed for students to apply the concepts and methods of psychology in their work, their communities, and their lives.

Degrees:
- Psychology (BS, MA, MS, PhD)

Tracks:
- None

Minors:
- Psychology

Certificates:
- Behavioral Forensics

Department of Sociology

Chair: J. Jasinski

Faculty: Canan, Sc.Carter, Sh.Carter, Cook, Corzine, Ford, Gay, Grauerholz, Huff-Corzenie, Jasinski, Lynxwiler, Morris, Mustaine, Pals, Rivera, Sikorska-Simmons, Wright

Sociology includes the study of interpersonal interactions, groups, organizations, and societies through the application of theoretical approaches and the use of qualitative and quantitative methods. Students will be better prepared for careers in any field by being trained in critical thinking and analytical skills, and by being familiar with 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 groups of courses in several areas, including social institutions, the environment, crime and deviance, popular culture, family, and diversity and social inequalities. As such, the B.A. in Sociology provides excellent grounding for a wide range of careers such as teaching, public administration, metropolitan planning, behavioral analysis, legal/court case assessment, law enforcement, marketing research, advertising, public relations, human resources, child welfare officer, victim advocate, convention/events organizer, environmental/social activist, social assistance specialist, information management specialist, and research analyst.

For more information about our nationally acclaimed yet personable faculty and our relevant, flexible major, go to http://sociology.ucf.edu.

Degrees:
- Sociology (BA, MA, PhD), Social Sciences Interdisciplinary (BS)

Tracks:
- Domestic Violence (MA)

Minors:
- Sociology, Social Sciences Interdisciplinary

Department of Statistics

Chair: D. Nickerson; CCII 206; 407-823-5528
http://statistics.ucf.edu/

Faculty: Cutchins, Johnson, Kellison, Modisset, Maboudou-Tchao, Ni, Pensky, Pepe, Ren, Richardson, J. Schott, S. Schott, Su, Uddin, Wang

The Department of Statistics offers courses and programs leading to a Bachelor of Science in Statistics, a minor in Statistics, a minor in Actuarial Sciences, and a Master of Science in Statistical Computing with a track in Data Mining. (See the Graduate Studies catalog for a description of the M.S. in Statistical Computing.)

The undergraduate program in statistics is designed to serve 1) students who desire to pursue careers in statistics after having completed a baccalaureate degree, 2) students who desire to continue their education in graduate or professional schools; and 3) students who use statistics as a tool in their specialty areas.

In order to serve such a wide variety of students, the courses and programs in the Department of Statistics have been developed along several lines. There are the usual service courses in elementary statistics along with strong programs in the upper division in statistical methods, statistical theory, and statistical computing. A limited number of assistantships are available for qualified graduate and undergraduate students.

Degrees:
- Statistics (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.oeas.ucf.edu/alc/alc_students_cosci.htm
The Office of Undergraduate Studies supports the colleges and units in their curricular planning, collaborates with faculty curricular oversight, works with faculty and administrators to assure the strength of university wide programs such as general education, and advocates for an undergraduate education that offers an outstanding learning experience to UCF students. Interdisciplinary academic degrees such as the Bachelor of Applied Sciences, and the Bachelor of Sciences and Bachelor of Arts in Interdisciplinary Studies, are conferred from this office. Units within Undergraduate Studies include the Office of Academic Services, the Office of Experiential Learning, the Faculty Center for Teaching and Learning, the Office of Undergraduate Research, the Office of Interdisciplinary Studies, the Pre-Professional Advising Office, and the McNair and Research and Mentoring Programs. The Dean serves as the final arbiter for all undergraduate academic appeals.

Academic Services

Associate Dean: TBA; MH 210; 407-823-2691
http://www.academicservices.ucf.edu/

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

Bachelor of Applied Science

Interim Dean: Elliot Vittes; MH 218; 407-823-2373
http://www.regionalcampuses.ucf.edu/bas/

The Bachelor of Applied Science serves all Associate of Science (A.S.) graduates who desire a Bachelor of Science (B.S.) degree for career 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.

Experiential Learning

Director: Sheri Dressler, FC - 203: 407-823-2667
http://www.explearning.ucf.edu/

This office provides co-op, internship and service-learning courses for students in all colleges through collaboration with college faculty and employers locally, nationally and internationally. Department faculty teach co-op and internship courses, facilitate the development and approval of quality experiential learning courses in colleges through faculty professional development and partnerships, develop and maintain productive relationships with employers, and compile student learning outcome data from applied learning courses campus-wide. Our primary goal is to ensure that students have access to, and include experiential learning courses in, their academic programs. These opportunities help students apply course content in real-world settings, reflect on their experiences, and gain relevant professional and academic skills needed to become capable members of the workforce and engaged citizens upon graduation.

Faculty Center for Teaching and Learning

Director: Melody Bowdon, CL-1-207; 407-823-3544
http://www.fctl.ucf.edu/

The Faculty Center provides support for all the roles of faculty - excellence in teaching and learning, successful research and creative activities, professional advancement, and collaborative endeavors - through multiple formats including workshops, events, consultations, class observations, online resources, publications, and strategic initiatives. This office coordinates the Academic Orientation for new faculty, university-level Undergraduate Teaching and Advising Awards, Scholarship of Teaching and Learning Awards, and assists with mentoring for faculty success.

McNair Scholars Program

Director: Michael Aldarondo-Jeffries, CC II 221; 407-823-1815
http://mcnair.ucf.edu/

The McNair Scholars Program is a U.S. Department of Education TRIO program which provides an enriching educational experience for students from underrepresented groups and first-generation/low-income students to excel as undergraduates, prepare for graduate school and ultimately enter faculty positions. The program works closely with participants through their undergraduate career, encourages their entrance into graduate programs, and tracks their progress to successful completion of advanced degrees. Students participate in research method courses, GRE preparation, faculty-guided research and graduate school visits.

Office of Interdisciplinary Studies

Director: Michael Hampton; Classroom Bldg I, Suite 302; 407-823-0144; E-mail: is@mail.ucf.edu
Program Contact: Interdisciplinary Studies Advising Team
Academic Advisers: Ashley Eden, 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
Tracks: Interdisciplinary Studies, Environmental Studies, Women's Studies

Minors: Environmental Studies, World Comparative Studies, Leadership Studies

Certificates: Leadership Studies, Cultural Tourism

Office of Pre-Professional Advising (OPPA)

Director: Bernard Mackey, Ferrell Commons 215C: 407-823-3033
http://www.oppa.ucf.edu/

The Office of Pre-Professional Advising (OPPA) provides guidance and support to students interested in pursuing careers in the health and legal professions. OPPA provides information about the field of law and a wide variety of health-related fields such as allopathic (M.D.), osteopathic (D.O.), and veterinary (D.V.M.) medicine, dentistry, pharmacy, optometry, podiatry, chiropractic, physician assistant, physical therapy, and occupational therapy. These careers require academic study in professional school settings beyond the baccalaureate degree, and OPPA assists “Pre-Professional” Students in any undergraduate major in offering academic advising and administrative support, and other activities related to preparing for and applying to professional schools. OPPA’s goal is to enhance the likelihood of success for all Pre-Professional Students who seek acceptance into a professional school.

Research and Mentoring Program

Director: Michael Aldarondo-Jeffries, CC II 221; 407-823-1815
http://ramp.ucf.edu/

The Research and Mentoring Program (RAMP) prepares students for entry into graduate and professional school. Through involvement in research projects and working with faculty mentors, the program provides a supportive educational environment for students. In addition, the students participate in a variety of workshops designed to increase their awareness and knowledge of the graduate and professional school application process. Students from underrepresented groups and first-generation/low-income students are strongly encouraged to apply.

Undergraduate Research

Director: Kimberly Schneider, CC II 209; 407-823-3125
http://www.our.ucf.edu/

UCF offers numerous opportunities for undergraduates to pursue research in various disciplines with the guidance of a faculty mentor. This intensive research opportunity enhances the academic experience and challenges students to cultivate 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.oesas.ucf.edu/alc/alc_students_us.htm
Rosen College of Hospitality Management

Dean: Abraham Pizam; 9907 Universal Boulevard, Suite 231-H
Orlando, FL 32819; 407-903-8000
http://www.hospitality.ucf.edu

Associate Deans: Tadayuki Hara; Youcheng Wang;
9907 Universal Boulevard, Suite 231-A; 407-903-8000

Orlando Campus Academic Advising:
Classroom Building I, 302H; 407-823-1112

Faculty: Ashley, Breiter, Bunn, Chen, Choi, Croes, Dickson, Fisher,
Fjelstul, Hara, Hua, Hutchinson, Iskat, Juge, Jung, Kaufman, Kwun,
Logan, Lynch, Milman, Muller, Murphy, Naipaul, Nusair, Okumus,
Parsa, Ray, Ro, Rompf, Ross, Scantlebury, Severt D, Severt K, Smith,
Terry, Tesone, Wang.

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 manage-
ment 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 world in hospitality through an internship requirement and through ex-tensive
contact with leading hospitality managers in the Central Florida area.
There are three undergraduate degrees offered.

The College also houses the Linda Chapin Eminent Scholar Chair in
Tourism Management and the Dick Pope Sr. Institute for Tour-ism
Studies which was created and funded by the travel and tourism
industry in Central Florida. The Institute conducts research and gather-
ses 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 execu-
tives. This academic unit is an integral part of the Rosen College of
Hospitality Management.

Distinctive Benefits
- A state-of-the-art facility located in the heart of the tourism district
  in Orlando, Florida with on-campus housing.
- Access to the many hospitality organizations that serve one of the
  premier tourist destinations in the world.
- Extensive ties with the top leadership of the Orlando area
  hospitality industry.
- A large number of scholarships made available through the
  generous support of the industry.
- Outstanding faculty from 17 different countries.
- A faculty committed to continuously improving their knowledge
  of the hospitality industry as well as their ability to teach that
  knowledge to their students.
- A required work experience that provides students with practical
  experiences in the hospitality industry.
- Outstanding opportunities for internships.
- A modern food production laboratory and teaching restaurant
  completely equipped to provide students with experience in food
  preparation.
- Multiple endowed chairs and professorships.

Degrees: Event Management (BS), Hospitality Management (BS)
Restaurant and Food Service Management (BS)

Tracks: Theme Park and Attraction Management;
Golf and Club Management

Minor: Hospitality Management

Program Academic Learning Compacts (student learning outcomes) for
undergraduate programs in the Rosen College of Hospitality Management
are located at: http://oeas.ucf.edu/aic/aic_students_rhm.htm
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<td>Economics - Accelerated Undergraduate-Graduate Program</td>
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<td>Electrical Engineering</td>
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<td>Electrical Engineering - Accelerated Undergraduate-Graduate Program</td>
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<td>Elementary Education</td>
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<td>English - Creative Writing</td>
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<td>English - Literature</td>
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<td>English - Technical Communication</td>
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<td>English Language Arts Education</td>
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<td>Exceptional Student Education</td>
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<td>Film - B.F.A.</td>
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<td>Film - Cinema Studies Track</td>
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<td>Film - World Cinema Track</td>
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<td>Finance</td>
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<td>Foreign Language Education - French</td>
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<td>Foreign Language Education - Spanish</td>
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</tbody>
</table>
MAC 2233 Concepts of Calculus or
ECO 3401 Quantitative Business Tools I 3 hrs

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

A: Communication Education Foundations (9 hrs)
Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)
Required CGS 2100C Computer Fundamentals for Business 3 hrs
Required MAC 1140 Pre-Calculus Algebra 3 hrs

D: Social Foundations (6 hrs)
Select 1:
Suggested ECO 2013 Principles of Macroeconomics or 3 hrs
Suggested ECO 2023 Principles of Microeconomics 3 hrs

Select 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
See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

Required ACG 2021 Principles of Financial Accounting 3 hrs
Required ACG 2071 Principles of Managerial Accounting 3 hrs
Required CGS 2100C Computer Fundamentals for Business 3 hrs
Required ECO 2013 Principles of Macroeconomics 3 hrs
Required ECO 2023 Principles of Microeconomics 3 hrs

Select one of the following sequences of courses:
Students must receive a "C" (2.0) or better in both MAC 2233 and STA 2023 to be waived from ECO 3401.
ECO 3401 Quantitative Business Tools I 3 hrs

or
MAC 2233 Concepts of Calculus and 3 hrs
STA 2023 Statistical Methods I 3 hrs

3. Core Requirements: Basic Level (0 hrs)
None

4. Core Requirements: Advanced Level (32 hrs)
First or subsequent semester in the College of Business Administration:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>BUL 3130</td>
<td>Legal and Ethical Environment of Business</td>
<td>4 hrs</td>
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<tr>
<td>ECO 3411</td>
<td>Quantitative Business Tools II</td>
<td>4 hrs</td>
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<tr>
<td>FIN 3403C</td>
<td>Business Finance</td>
<td>4 hrs</td>
</tr>
<tr>
<td>^GEB 3031</td>
<td>Comerstone: Professional Skills for Business</td>
<td>3 hrs</td>
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<tr>
<td>GEB 3031L</td>
<td>Cornerstone Lab: Professional Skills for Business</td>
<td>1 hr</td>
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<tr>
<td>GEB 3375</td>
<td>Introduction to International Business</td>
<td>4 hrs</td>
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</tbody>
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Required courses for major: 24 hrs

ACG 3131 Financial Accounting Concepts and Analysis 3 hrs
ACG 3141 Intermediate Financial Accounting II 3 hrs
ACG 3361 Cost Accounting I 3 hrs
ACG 3501 Financial Accounting for Governmental and Nonprofit Organizations 3 hrs
ACG 4401C Accounting Information Systems 3 hrs
ACG 4651 Auditing 3 hrs
ACG 4803 Contemporary Issues in Accounting 3 hrs
TAX 4001 Taxation of Business Entities and Transactions 3 hrs

5. Restricted Electives (0 hrs)
None

6. Capstone Requirements (4 hrs)
MAN 4720 Strategic Management 4 hrs

This course should be taken in the graduating term and requires the following prerequisites:
FIN 3403C Business Finance 4 hrs
GEB 3031 Comerstone: Professional Skills for Business 3 hrs
MAN 3025 Management of Organizations 4 hrs
MAR 3023 Marketing 4 hrs

7. Foreign Language Requirements

Admissions
- Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- None

9. Additional Requirements
- Must complete all Gordon Rule and CLAS requirements, prior to admission to this degree.
- Students must earn at least 60 credit hours of coursework outside of the College of Business (ECO 2013, 2023, 3401, and 3411 count towards this 60 hour requirement).
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must have a “C” (2.0) or better in each common program prerequisites class.
- A minimum grade of “C” (2.0) must be earned in each accounting, business law, and tax course completed. Principles of Financial Accounting and Principles of Managerial Accounting are included under this rule.
- Students in the Accounting major must maintain a 2.0 or higher cumulative Grade Point Average in all 3000 level or higher Accounting or Tax courses taken at UCF. Failure to maintain the required 2.0 Grade Point Average will result in the student being placed on lack of progress in the major. Lack of Progress in the major will continue until such time as the student’s cumulative GPA in all Accounting and Tax courses reaches 2.0 or higher. If a student on lack of progress in the major fails to achieve a 2.0 minimum GPA in Accounting and Tax courses in a subsequent term, that student will be dropped as an accounting major. A student who is dropped may seek re-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 other accounting courses and will not count toward graduation for an accounting major.

All students must have credit for a course in each of the following areas:

- English communication arts including written composition
- Oral expression
- Behavioral science such as psychology, anthropology, and sociology
- Humanities
- Political environment of business and society such as political science, public administration, and ethics

### 10. Required Minors

None

### 11. Departmental Exit Requirements

None

### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

120

### Honors In Major

Eligibility: Requirements for admission to Honors in the Major are: completion of at least 60 semester hours of college credits including at least 12 graded upper-division hours at UCF; at least a 3.5 GPA within the major; and at least a 3.2 cumulative GPA including all upper-division courses regardless of institution.

Application: 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:**

1. ACG 4903H  
   Honors Directed Reading I  or 1 hr
2. ACG 4904H  
   Honors Directed Reading II  1 hr

and

ACG 4970H  
Undergraduate Honors Thesis  1 hr

With approval of the School of Accounting Honors in the Major Coordinator, the Directed Readings or Honors Seminar course will satisfy one of the Area Specialization course requirements toward satisfaction of the course requirements for the Accounting Major.

### Related Programs

None

### Related Minors

None

### Advising Notes

Florida Public Community College students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.

Professional courses should not be taken at a community/junior college in the areas of Management, Marketing, Real Estate, or Finance. These professional areas are third and fourth year (junior, senior) course areas and cannot be satisfied with freshman, sophomore level courses.

Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.

Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

### Transfer Notes

Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.

Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of “C-” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.

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

### Acceptable Substitutes for Transfer Courses

1. ACG 2021  
   Principles of Financial Accounting  3 hrs
   may be substituted with: ACG X001

1 and ACG X011

### Plan of Study

#### Freshman Year - Fall

- ENC 1101  
  Composition I  3 hrs
- MAC 1140  
  Pre-Calculus Algebra  3 hrs
- Cult-Hist I*  3 hrs
- Psy/Ant/Soc  3 hrs
- Science  3 hrs

#### Freshman Year - Spring

- ENC 1102  
  Composition II  3 hrs
- CGS 2100C  
  Computer Fundamentals for Business  3 hrs
- Science  3 hrs
- Art/Music/Lit  3 hrs
- Cult-Hist II*  3 hrs

#### Sophomore Year - Fall

- Free Elective  3 hrs
- ACG 2021  
  Principles of Financial Accounting  3 hrs
- ECO 2023  
  Principles of Microeconomics  3 hrs
- SPC 1608  
  Fundamentals of Oral Communication  3 hrs

#### Sophomore Year - Spring

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

Junior Year - Fall
ACG 3131 Financial Accounting Concepts and Analysis 3 hrs
BUL 3130 Legal and Ethical Environment of Business 4 hrs
GEB 3031 Core Competency: Professional Skills for Business 3 hrs
ISM 3011C Essentials of Management Information Systems 4 hrs

Junior Year - Spring
ACG 3141 Intermediate Financial Accounting II 3 hrs
ECO 3411 Quantitative Business Tools II 4 hrs
GEB 3375 Introduction to International Business 4 hrs
MAN 3025 Management of Organizations 4 hrs

Senior Year - Fall
ACG 3361 Cost Accounting I 3 hrs
ACG 3363 Cost Accounting II 3 hrs
ACG 4401C Accounting Information Systems 3 hrs
FIN 3403C Business Finance 4 hrs
TAX 4001 Taxation of Business Entities and Transactions 3 hrs

Senior Year - Spring
ACG 3501 Financial Accounting for Governmental and Nonprofit Organizations 3 hrs
1 ACG 4651 Auditing 3 hrs
ACG 4803 Contemporary Issues in Accounting 3 hrs
MAN 4720 Strategic Management 4 hrs

1 **Accounting majors must have a “C” (2.0) or better grade required in each class.
**Accounting majors must have a “C” (2.0) or better in each class to include law and tax and a 2.0 GPA in major.
***General electives as required to reach 120 semester 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

Equipment Fees
- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

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

E-mail: adpr@ucf.edu
Joan McCain - Area Coordinator, jmccain@mail.ucf.edu
Rebecca Morales - Academic Support, rmorales@mail.ucf.edu
Phone: 407-823-2681

Admission Requirements
- Students should apply to become Advertising/Public Relations majors only after completing all requirements for admission.
- Students must satisfactorily complete a minimum of 45 credit hours of college work before applying.
- The student’s GPA is a major component of the admission criteria.
- The admission GPA will be calculated using all college work attempted.
- The GPA cut-off for admission varies each semester, depending on the applicants; but for the previous 6 admission periods, the GPA averaged 3.4.
- Students must demonstrate acceptable keyboard skills.
- Students must receive a positive evaluation by the School.
- Students must successfully complete the following courses before applying:

Complete the following: 6 hrs
ADV 3008 Principles of Advertising and 3 hrs
PUR 4000 Public Relations 3 hrs

Application Deadlines:
- October 1 to be admitted the next Spring term;
- February 1 to be admitted the next Summer term;
- July 1 to be admitted the next Fall term.

Degree Requirements
- Students who change degree programs (other than from AD/PR Pending) and select this major must adopt the most current catalog.
- Co-op credit can be used in the major with advisor’s prior approval.
- Students should consult with a departmental advisor.
- School Residency Requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Nicholson School of Communication.
- Of the 120 hours required for graduation, 80 hours must be taken outside of the Nicholson School of Communication.
- Of these 80 hours, 65 must be taken in the liberal arts (i.e. within the College of Arts & Humanities or the College of Sciences).
- To ensure completion within 120 hours and to comply with the 80 hour rule, no more than 40 (or 43 if a GEP speech class was taken at UCF) of the 120 hour may be taken within the Nicholson School of Communication.
- Students electing to complete a minor must select the minor from outside the Nicholson School of Communication to remain below the 40 credit hour school maximum.
- A maximum of three credit hours of internship may be earned in one semester.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours

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

A: Communication Foundations (9 hrs)
Required ENC 1101 Composition I 3 hrs
Required ENC 1102 Composition II 3 hrs
Required SPC 1008 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
Prefer AMH 2010 U.S. History: 1492-1877 3 hrs
Prefer AMH 2020 U.S. History: 1877-Present 3 hrs
Select one course from group B 2. 3 hrs

C: Mathematical Foundations (6 hrs)
Math Suggested MGF 1106 Finite Mathematics or 3 hrs
Prefer MGF 1107 Explorations in Mathematics or 3 hrs
May substitute a higher level math with appropriate scores on the Math Placement Exam.

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

D: Social Foundations (6 hrs)
Economics Required ECO 2013 Principles of Macroeconomics or 3 hrs
Required ECO 2023 Principles of Microeconomics or 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

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (0 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

Select either Economics course: 0 hr
ECO 2013 Principles of Macroeconomics or GEP
ECO 2023 Principles of Microeconomics GEP
Select this Speech course: 0 hr
SPC 1608 Fundamentals of Oral Communication GEP

3. Core Requirements: Basic Level (6 hrs)
Must be completed before applying to the program:
Complete all of the following: 6 hrs
ADV 3008 Principles of Advertising and GEP/CPP
PUR 4000 Public Relations GEP/CPP

May be completed before or after admission to the program:
Complete the following classes: hr
SPC 1608 Fundamentals of Oral Communication and GEP/CPP
STA 2014C Principles of Statistics GEP/CPP

Complete either economics class: 0 hr
ECO 2013 Principles of Macroeconomics or GEP/CPP
ECO 2023 Principles of Microeconomics GEP/CPP

4. Core Requirements: Advanced Level (21 hrs)
Complete after admission to the program:
Complete a maximum of 12 credits of the following after admission to the program: 3 hrs
ADV 4101 Advertising Copywriting GEP/CPP
COM 3311 Communication Research Methods GEP/CPP
MMC 3200 Mass Communication Law GEP/CPP
MMC 4411 AD/PR Campaigns GEP/CPP
PUR 3100 Writing for Public Relations GEP/CPP
VIC 3001 Visual Communication GEP/CPP

Select one internship: 3 hrs
ADV 4941 Internship or GEP/CPP
PUR 4941 Internship GEP/CPP

5. Restricted Electives (12 hrs)

6. Capstone Requirements
The following Advanced Core course meets the Capstone Requirement: 3 hrs
MMC 4411 AD/PR Campaigns

7. Foreign Language Requirements

Admissions
Met by graduation requirement

Graduation
Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
Select primarily from upper level courses, with School advisor’s approval. Must be from outside of the School in order to not exceed the 40 credit hour cap. The majority of electives should be taken in the Liberal Arts to comply with the 65 hour Liberal Arts requirement.

9. Additional Requirements
None

10. Required Minors
None required. However if a minor desired, it must be selected from outside the school in order to not exceed the 40 credit hour cap.

11. Departmental Exit Requirements
To avoid delaying graduation, the student must request a review of requirements before registering for the last term.
Achieve an overall “C” GPA (2.0) in required UCF AD/PR courses. This GPA does not include electives.
Before applying to graduate, the CLAS must be completely satisfied.
Computer Competency met by the following course or departmental assessment.

12. University Minimum Exit Requirements
A 2.0 UCF GPA
60 semester hours earned after CLEP awarded
48 semester hours of upper division credit completed
30 of the last 39 hours of course work must be completed in residency at UCF
A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
120

Honors In Major
None

Related Programs
Marketing

Certificates
None

Related Minors
NOTE: Minors taught within the School of Communication are not open to AD/PR majors.
Business
Digital Media
English - Writing
Hospitality Management
Marketing
Political Science
Psychology
Sociology

Advising Notes
Students must satisfy each course’s prerequisites before enrolling in the class.

Transfer Notes
Lower division courses taken at community colleges do not substitute for Upper Division courses.
Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
None

Plan of Study
One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

Freshman Year - Fall 13 hrs
GEP 3 hrs
Foreign Language 4 hrs
ENC 1101 Composition I 3 hrs
Aerospace Engineering (B.S.A.E.)

College of Engineering and Computer Science
Department of Mechanical, Materials, and Aerospace Engineering, Engineering I, Room: 307

http://www.mmae.ucf.edu
E-mail: mmaeugrad@mail.ucf.edu
Dr. Kuo-Chi Lin, klin@mail.ucf.edu, 407-823-2144
Ms. Waheeda Illasarie, willasar@mail.ucf.edu, 407-823-5448
Phone: 407-823-2416

Admission Requirements
■ None

Degree Requirements
■ None

1. UCF General Education Program (GEP) (38 hrs)
■ UCF General Education Program (GEP) is described in the General Education Program section, located elsewhere in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from the Florida State University/Community College Systems should complete the GEP and the Common Program Prerequisites before transferring.

A: Communication Foundations (9 hrs)
Required ENC 1101 Composition I 3 hrs
Required ENC 1102 Composition II 3 hrs
Select 1: 3 hrs
Prefer SPC 1603 Fundamentals of Technical Presentations or
Suggested SPC 1608 Fundamentals of Oral Communication 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 3024 Probability and Statistics for Engineers 3 hrs

D: Social Foundations (6 hrs)
Select 1: 3 hrs
Prefer ECO 2023 Principles of Microeconomics
Prefer ECO 2013 Principles of Macroeconomics 3 hrs
Select one class from Social Foundations 3 hrs

E: Science Foundations (7 hrs)
Suggested PHY 2048C Physics for Engineers & Scientists I
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.

Program Academic Learning Compacts
■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oes.ucf.edu/aicacademic_learning_compacts.htm

Equipment Fees
■ Part-Time Student: $22 per term
■ Full-Time Student: $44 per term

1 CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs
2 CHM 2041C Chemistry Fundamentals IB
3 CHM 2040C Chemistry Fundamentals IA
1 PHY 2048C Physics for Engineers & Scientists I 3 hrs
1 PHY 2049C Physics for Engineers and Scientists II 3 hrs

E: Science Foundations (7 hrs)
Required PHY 2048C Physics for Engineers & Scientists I 4 hrs
Required PHY 2049C Physics for Engineers and Scientists II 4 hrs
Select 1: 4 hrs

Humanities or Social Sciences
1 A”C” (2.0) or better is required in this course.
2 A”C” (2.0) or better is required in this course. Must also take CHM 2041C as 2nd part of sequence.
3 A”C” (2.0) or better is required in this course. Must also take CHM 2040C as 1st part of sequence.
3. Core Requirements: Basic Level (2 hrs)
- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing these courses, together with the core requirements listed in section 4, the technical elective courses listed in section 5 below and with the senior design courses listed in section 6 below. Independent study courses generally do not satisfy major requirements.

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

4. Core Requirements: Advanced Level (54 hrs)
- These courses are a capstone experience to your engineering program and should be completed in your last 2 major semesters of study.
- CECS encourages all engineering students to take the Fundamentals Exam during their senior year.

   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 4210  Space Structural Dynamics  3 hrs
   EAS 4300C  Aerothermodynamics of Propulsion Systems  3 hrs
   EGM 3601  Solid Mechanics  3 hrs
   EGN 3310  Engineering Analysis-Statics  3 hrs
   EGN 3321  Engineering Analysis-Dynamics  3 hrs
   EGN 3343  Thermodynamics  3 hrs
   EGN 3373  Principles of Electrical Engineering  3 hrs
   EMA 3706  Structure and Properties of Aerospace Materials  3 hrs
   EML 3034C  Modeling Methods in Mechanical and Aerospace Engineering  3 hrs
   EML 4312C  Feedback Control  3 hrs
   STA 3032  Probability and Statistics for Engineers  3 hrs
   
   Select 1:  
   EAS 3530  Space Systems Concepts  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
- 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

10. Required Minors
- None

11. Departmental Exit Requirements
- 25% of course work must be in residency at UCF.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 128

Honors in Major
- None

Related Programs
- Mechanical Engineering

Certificates
- None

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

Advising Notes

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

   EAS 3990  Aerospace Career and Academic Faculty  0 hrs
   EAS 4991  Aerospace Career and Academic Faculty  0 hrs

Transfer Notes
- Courses taken from Community Colleges do not substitute for Upper Division Courses unless part of an articulated pre-engineering degree program.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.
- EGN 1006C and EGN 1007C are required courses for incoming freshman students only. The two credit hours for these courses may be substituted by an approved Aerospace Engineering Elective for transfer students. However, students may take EGN 1007C in the Spring semester if they do not have knowledge of Mathcad or Mathlab.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (128 hrs)
- The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

   Freshman Year - Fall  
   15 hrs
   GEP  
   EGN 1006C  Introduction to the Engineering Profession  3 hrs
   ENC 1101  Composition I  0 hrs
   MAC 2311  Calculus with Analytic Geometry I  4 hrs
   Select 1:  
   CHM 2040C  Chemistry Fundamentals IA or  3 hrs
   CHM 2041C  Chemistry Fundamentals IB or  3 hrs
   CHM 2045C  Chemistry Fundamentals I or  3 hrs
   CHS 1440  Fundamentals of Chemistry for Engineers  4 hrs
   1 Preferred
UCF Degree Programs

Freshman Year - Spring 15 hrs
EGN 1007C Engineering Concepts and Methods 1 hr
ENC 1102 Composition II 3 hrs
MAG 2312 Calculus with Analytic Geometry II 4 hrs
PHY 2048C Physics for Engineers & Scientists I 4 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs

Freshman Year - Summer 10 hrs
GEP 3 hrs
EMA 3706 Structure and Properties of Aerospace Materials 3 hrs
MAC 2313 Calculus with Analytic Geometry III 4 hrs

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

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

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

Junior Year - Fall 15 hrs
EAS 3530 Space Systems Concepts 3 hrs
EAS 4210 Space Structural Dynamics 3 hrs
EAS 3990 Aerospace Career and Academic Faculty Advising I 0 hrs
EAS 4460 Flight Structures 3 hrs
EML 3034C Modeling Methods in Mechanical and Aerospace Engineering 3 hrs

EAS 4710C Aerospace Design II Select 1: 3 hrs
EAS 4300 Aerodynamics of Propulsion Systems 3 hrs
EML 4312C Feedback Control 3 hrs

EAS 4200 Flight Structures 3 hrs
EGN 3373 Principles of Electrical Engineering 3 hrs

Select 1: 3 hrs
EGM 3601 Solid Mechanics 3 hrs
EGN 3321 Engineering Analysis-Dynamics 3 hrs
EGN 3343 Thermodynamics 3 hrs
EGN 3373 Principles of Electrical Engineering 3 hrs

Junior Year - Spring 15 hrs
Upper Division Electives 3 hrs
EAS 3101 Fundamentals of Aerodynamics 3 hrs
EAS 3810C Design of Aerospace Experiments 3 hrs
EAS 4210 Space Structural Dynamics 3 hrs
1 EAS 4505 Orbitals Mechanics 3 hrs

EAS 4710C Aerospace Design II or 3 hrs
EGN 4412C Interdisciplinary Design I 3 hrs

1 May choose not to take this course and take EAS 4505 in the Spring semester or may take both and one will count as required and the other an elective.

Senior Year - Fall 12 hrs
EAS 4200 Flight Structures 3 hrs
EAS 4134 High-Speed Aerodynamics 3 hrs
EAS 4991 Aerospace Career and Academic Faculty Advising II 0 hrs
EML 4312C Feedback Control 3 hrs

Select 1: 3 hrs
EAS 4710C Aerospace Design II or 3 hrs
EGN 4412C Interdisciplinary Design I 3 hrs

Senior Year - Spring 15 hrs
Upper Division Elective 3 hrs
GEP 3 hrs
Upper Division Elective 3 hrs
EAS 4300 Aerodynamics of Propulsion Systems 3 hrs

Select 1: 3 hrs
EAS 4710C Aerospace Design II or 3 hrs
EGN 4412C Interdisciplinary Design I 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oecs.ucf.edu/alc/academic-learning_compacts.htm

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

Anthropology (B.A.)
College of Sciences
Department of Anthropology, Philips Hall, Room: 309
http://www.cos.ucf.edu/anthropology
Dr. John Schultz, jschultz@mail.ucf.edu
Phone: 407-823-2227

The Anthropology major results in broad holistic understanding of humans and the human condition, both past and present. Students study all subfields of Anthropology: Archaeology, Cultural Anthropology, Linguistics, and Physical Anthropology. Students with sufficient course background may participate in ongoing archaeological excavations associated with the Maya culture in the Central American country of Belize.

Admission Requirements
- None

Degree Requirements
- UCF students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement: at least 30 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Anthropology Department
- Students must maintain a grade of "C" (2.0) or better in all courses used for the major
- Co-op or internship credit cannot be used in the major without prior approval
- Students should consult with a departmental advisor
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours

1. UCF General Education Program (GEP) (36 hrs)
A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (6 hrs)
Math:
Suggested MGF 1106 Finite Mathematics or 3 hrs
Suggested MGF 1107 Explorations in Mathematics or 3 hrs
You may substitute a higher level math with appropriate scores on the Math Placement Exam.

Statistics - Computers 3 hrs
Select a course from GEP C.2 list 3 hrs

D: Social Foundations (6 hrs)
Required ANT 2000 General Anthropology 3 hrs
Select from GEP D.1 list 3 hrs

E: Science Foundations (6 hrs)
Required ANT 2511 The Human Species 3 hrs
Select from GEP E.1 list 3 hrs

2. Common Program Prerequisites (CPP) (0 hrs)
- See Transfer Notes for possible substitutes
- See “Common Prerequisites” in the Transfer and Transitions Services section

3. Core Requirements: Basic Level (6 hrs)
ANT 2000 General Anthropology GEP
ANT 2511 The Human Species GEP
ANT 2140 Archaeology and the Rise of Human Culture 3 hrs
ANT 2410 Cultural Anthropology 3 hrs
ANT 2511 The Human Species GEP/CPP
4. Core Requirements: Advanced Level (12 hrs)

- ANT 3145 Archaeology of Complex Societies 3 hrs
- ANT 3610 Language and Culture 3 hrs
- ANT 4034 History of Anthropological Thought 3 hrs
- ANT 4586 Human Origins 3 hrs

5. Restricted Electives (21 hrs)

Area Study 3 hrs

- Select at least one of the following courses:
  - ANT 3148 Life and Death in Ancient Egypt 3 hrs
  - ANT 3152 Indians of the Southwest 3 hrs
  - ANT 3158 Florida Archaeology 3 hrs
  - ANT 3160 Americas Before Columbus 3 hrs
  - ANT 3161 Archaeology of Mexico 3 hrs
  - ANT 3163 Mesoamerican Archaeology 3 hrs
  - ANT 3164 Ancient Incas 3 hrs
  - ANT 3165 Archaeology of South America 3 hrs
  - ANT 3168 Maya Archaeology 3 hrs
  - ANT 3311 Indians of the Southeastern United States 3 hrs
  - ANT 3312 Ethnology of North American Indians 3 hrs
  - ANT 3313 Indians of North America High Plains 3 hrs
  - ANT 3314 Indians of the Northeast Woodlands 3 hrs
  - ANT 3318 Indians of the Northwest Coast 3 hrs
  - ANT 3319 Anthropology of Diaspora 3 hrs
  - ANT 3344 Puerto Rican Culture 3 hrs
  - ANT 3362 Peoples of Southeast Asia 3 hrs
  - ANT 3363 Anthropology of Japan 3 hrs
  - ANT 4144 Prehistory of North America 3 hrs
  - ANT 4153 North American Archaeology 3 hrs
  - ANT 4308 Gender Issues in Latin America 3 hrs
  - ANT 4332 People and Cultures of Latin America 3 hrs
  - ANT 4340 Caribbean Cultures 3 hrs
  - ANT 4352 African Societies and Cultures 3 hrs
  - ANT 4354 Postcolonial Africa 3 hrs

Restricted Electives 18 hrs

- Select at least six other Anthropology courses; these may include other area study courses or any other Anthropology courses that may be offered (see below).

- ANG 5166 Problems in Maya Studies 3 hrs
- ANG 5157 Maya Hieroglyphs 3 hrs
- ANG 5228 Maya Iconography 3 hrs
- ANG 5622 Language, Culture and Pedagogy 3 hrs
- ANG 5742 Problems in Forensic Anthropology 3 hrs
- ANG 5822 Maya Field Research 3 hrs
- ANT 3106 Archaeology and Popular Culture 3 hrs
- ANT 3115 Archaeological Method and Theory 3 hrs
- ANT 3142 Old World Prehistory 3 hrs
- ANT 3173 Archaeology of Sex 3 hrs
- ANT 3177 Archaeology of Caribbean Piracy 3 hrs
- ANT 3212 Peoples of the World 3 hrs
- ANT 3241 Magic, Ritual, and Belief 3 hrs
- ANT 3245 Native American Religion 3 hrs
- ANT 3262 Rural Society 3 hrs
- ANT 3273 Law and Culture 3 hrs
- ANT 3302 Sex, Gender and Culture 3 hrs
- ANT 3330 Cultural Ecology of Amazonia 3 hrs
- ANT 3393 American Indian Literature and Culture in Florida 3 hrs
- ANT 3398 Black/Seminole Relations 3 hrs
- ANT 3450 Living in the USA: Anthropological Perspectives 3 hrs
- ANT 3541 Biobehavioral Anthropology 3 hrs
- ANT 3550 Primatology 3 hrs
- ANT 3701 Applied Anthropology 3 hrs
- ANT 3949 Cooperative Education in Anthropology 0 hrs
- ANT 4013 Anthropological Perspectives on Fast Food 3 hrs
- ANT 4180C Seminar in Laboratory Analysis 3 hrs
- ANT 4183 Archaeological Sciences 3 hrs
- ANT 4184 Mortuary Archaeology 3 hrs
- ANT 4266 Economic Anthropology: Production, Consumption, and Exchange 3 hrs
- ANT 4303 Anthropology of Tourism 3 hrs
- ANT 4308 Gender Issues in Latin America 3 hrs
- ANT 4408 Culture, Disease, and Healing 3 hrs
- ANT 4462 Medical Anthropology 3 hrs
- ANT 4467 Nutritional Anthropology 3 hrs
- ANT 4516 Human Biological Diversity 3 hrs
- ANT 4521C Forensic Anthropology 3 hrs
- ANT 4525C Human Osteology 4 hrs
- ANT 4528C Advanced Forensic Anthropology 5 hrs
- ANT 4560 Anthropological Perspectives on Human Growth 3 hrs
- 1 ANT 4702 Culture, Power and Development 3 hrs
- ANT 4802 Ethnographic Field Methods 3 hrs
- ANT 4824 Advanced Archaeological Fieldwork 9 hrs

Restricted Electives 12 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 three 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.
- Computer Competency met by the following:
  - ANT 2140 Archaeology and the Rise of Human Culture 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

- Social Sciences
- Sociology

Certificates

- None

Related Minors

- African American Studies
- American Studies
- Anthropology
- Anthropology in Multicultural Studies
- Asian Studies
- Judaic Studies
- Latin American Area Studies
- Sociology
- Women’s Studies
### UCF Degree Programs

#### Advising Notes
- None

#### Transfer Notes
- Lower division courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

#### Acceptable Substitutes for Transfer Courses
- Although any ANT course satisfies the CPP, the specified courses are required in the core and must be taken regardless.
- One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

#### Plan of Study
- Freshman Year - Fall
  - 15 hrs
  - GEP 3 hrs
  - ANT 2000 General Anthropology 3 hrs
  - COM 1000 Introduction to Communication 3 hrs
  - ENC 1101 Composition I 3 hrs
  - MGF 1107 Explorations in Mathematics 3 hrs

- Freshman Year - Spring
  - 15 hrs
  - GEP 3 hrs
  - GEP 3 hrs
  - GEP 3 hrs
  - ANT 2511 The Human Species 3 hrs
  - ENC 1102 Composition II 3 hrs

- Sophomore Year - Fall
  - 15 hrs
  - Free Elective 3 hrs
  - Restricted Elective 3 hrs
  - GEP 3 hrs
  - ANT 2340 Archaeology and the Rise of Human Culture 3 hrs
  - ANT 2410 Cultural Anthropology 3 hrs

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

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

- Junior Year - Spring
  - 15 hrs
  - Foreign Language 4 hrs
  - Restricted Elective 3 hrs
  - Elective / Minor 3 hrs
  - Elective / Minor 2 hrs
  - ANT 4586 Human Origins 3 hrs

- Senior Year - Fall
  - 15 hrs
  - Restricted Elective 3 hrs
  - Restricted Elective 3 hrs
  - Elective / Minor 3 hrs
  - Elective / Minor 3 hrs
  - Free Elective 3 hrs

- Senior Year - Spring
  - 15 hrs
  - Restricted Elective 3 hrs
  - Free Elective 3 hrs
  - Free Elective 3 hrs
  - ANT 4034 History of Anthropological Thought 3 hrs

#### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

### Applied Science (BAS) A.S. to B.S. Track (B.A.S.)

**NOTE:** For detailed information, see description of this program in the Statewide Articulated AS to BS Programs section.

#### Architecture (B.Des.)

**College of Arts and Humanities**

**School of Visual Arts and Design**

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

The Bachelor of Design in Architecture was created to meet the local need in Central Florida for an architecture program. The Bachelor of Design (B.Des.) degree program is a partnership with Valencia Community College and the University of Florida, as part of a 2+2+2 program to enable students to complete an NAAB accredited architectural program in Central Florida.

#### Admission Requirements
- Completion of an Associate of Arts (A.A.) in Architecture (or similar program) that meets the common course prerequisites of the Bachelor of Design in Architecture program.
- Submission of a completed UCF application packet.
- 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.
- 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) (0 hrs)**
   - Completion of the A.A. in pre-Architecture from VCC or equivalent.

3. **3. Core Requirements: Basic Level (34 hrs)**
   - A.A. Courses (completed in the A.A. in Architecture from VCC).
   - ARC 2461 Materials and Methods of Construction and ARC 2180 Introduction to Digital Architecture are electives in VCC’s architecture program but required for the B.Des. at UCF. See courses below.

   - **ARC 1701** History of Architecture I or equivalent 3 hrs
   - **ARC 2702** History of Architecture II or equivalent 3 hrs
   - **ARC 1301** Architectural Design I 4 hrs
   - **ARC 1302** Architectural Design II 4 hrs
   - **ARC 1201** Theory of Architecture 3 hrs
ARC 2303    Architectural Design III   5 hrs
ARC 2304    Architectural Design IV   5 hrs
ARC 2461    Materials and Methods of Construction   4 hrs
ARC 2180    Introduction to Digital Architecture   3 hrs

4. Core Requirements: Advanced Level (45 hrs)
■ Completed as part of the Bachelor of Design program at UCF.
ARC 3181    Advanced Topics in Digital Architecture   3 hrs
ARC 3320L    Architectural Design 5   6 hrs
ARC 3321L    Architectural Design 6   6 hrs
ARC 3463    Materials and Methods of Construction 2   3 hrs
ARC 3503    Architectural Structures   3 hrs
ARC 3610    Environmental Technology 1   3 hrs
ARC 3743    Architectural History 3   3 hrs
ARC 4220    Architectural Theory 2   3 hrs
ARC 4322L    Architectural Design 7   6 hrs
ARC 4323L    Architectural Design 8   6 hrs
ARC 4620    Environmental Technology 2   3 hrs

5. Restricted Electives (0 hrs)
■ None

6. Capstone Requirements
■ None

7. Foreign Language Requirements
Admissions
■ None
Graduation
■ None

8. Electives (10 hrs)
■ Unrestricted electives can be any 3000 or 4000 level course offering or equivalent.

9. Additional Requirements
■ None

10. Required Minors
■ None

11. Departmental Exit Requirements
■ None

12. University Minimum Exit Requirements
■ A 2.0 UCF GPA
■ 60 semester hours earned after CLEP awarded
■ 48 semester hours of upper division credit completed
■ 30 of the last 39 hours of course work must be completed in residency at UCF
■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
■ Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
■ 120

Honors In Major
■ None

Related Programs
■ None

Certificates
■ None

Related Minors
■ None

Advising Notes
■ None

Transfer Notes
■ Students transferring from any Florida public institution with an A.A. degree or with general education program (GEP) requirements of that institution met have thereby satisfied UCF GEP requirements.

■ Courses taken at community colleges do not substitute for Upper Division courses.
■ Transfer courses must be evaluated for equivalency credit and/or for use in the area by the department. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
■ Acceptable substitutes for General Education and Common Program Prerequisites will be determined by the School of Visual Arts and Design and the University.

Plan of Study
■ None

Program Academic Learning Compacts
■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oead.ucf.edu/alc/academic_learning_compacts.htm

Art B.A. - History Track (B.A.)
College of Arts and Humanities
School of Visual Arts and Design, Visual Arts Building, Room: 117
http://www.svad.ucf.edu/
Margaret Zahno
Phone: 407-823-2676

The School affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, Art courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

Admission Requirements
■ None

Degree Requirements
■ Students who change degree programs and select this major must adopt the most current catalog.
■ Grades below “C” (2.0) in lower level courses do not satisfy major requirements.
■ Co-op credit cannot be used in the major.
■ Students should consult with a school art history advisor.
■ Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Visual Arts and Design. Nine of these must be in an area of ARH specialization.
■ Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

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

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)
Required ARH 2050    History of Western Art I   3 hrs
Required ARH 2051    History of Western Art II   3 hrs
Select a course from 1.B.1 list   3 hrs

C: Mathematical Foundations (6 hrs)
1 Prefer MGF 1106    Finite Mathematics   3 hrs
Prefer STA 1060C    Basic Statistics Using Microsoft Excel   3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)
### UCF Degree Programs

#### 2. Common Program Prerequisites (CPP) (6 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 2050</td>
<td>History of Western Art I</td>
<td>3 hrs</td>
</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 Dimensional</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2300C</td>
<td>Drawing Fundamentals</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### 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: | 3 hrs |
  - ARH 3520 African Art | 3 hrs |
  - ARH 4540 Art of India | 3 hrs |
  - ARH 4653 Meso American Art | 3 hrs |
- One of the following courses: | 3 hrs |
  - ARH 4200 Medieval Art | 3 hrs |
  - ARH 4350 Baroque Art | 3 hrs |
  - ARH 4871 Women in Art | 3 hrs |
- Select 18 additional hours from the following: | 18 hrs |
  - ARH 3471 Art in the Last 25 Years | 3 hrs |
  - ARH 3520 African Art | 3 hrs |
  - ARH 3610 American Art | 3 hrs |
  - ARH 3710 History of Photography I | 3 hrs |
  - ARH 3711 History of Photography II | 3 hrs |
  - ARH 3720 History of Prints | 3 hrs |
  - ARH 3728 History of Illustration | 3 hrs |
  - ARH 4150 Roman Art and Architecture | 3 hrs |
  - ARH 4200 Medieval Art | 3 hrs |
  - ARH 4350 Baroque Art | 3 hrs |
  - ARH 4352 Italian Baroque Art | 3 hrs |
  - ARH 4653 Meso American Art | 3 hrs |
  - ARH 4871 Women in Art | 3 hrs |
  - ARH 5897 Advanced Seminar in Art History | 3 hrs |
  - ARH XXX-XXXX Additional Art History course | 3 hrs |

#### 6. Capstone Requirements
- None

#### 7. Foreign Language Requirements

##### Admissions
- Met by graduation requirement.

##### Graduation
- Proficiency equivalent to four semesters of college instruction in a single foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. German, French or Italian preferred, although other languages are acceptable with prior consent of advisor. Standardized examinations for foreign languages may be used to meet the requirement.

#### 8. Electives
- Select primarily from upper level courses after meeting with a school advisor. Courses may be outside the department.

#### 9. Additional Requirements
- None

#### 10. Required Minors
- None

#### 11. Departmental Exit Requirements
- Achieve at least a “C” GPA (2.0) in courses within the major.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 4912</td>
<td>Directed Independent Research</td>
<td>1 hr</td>
</tr>
<tr>
<td>STA 1060C</td>
<td>Basic Statistics Using Microsoft Excel</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MGF 1106</td>
<td>Finite Mathematics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 3311</td>
<td>Advanced Expository Writing</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residence at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required
- 120

### Honors in Major
- None

### Related Programs
- Art B.F.A. - Studio Art Track
- Art Education

### Certificates
- None

### Related Minors
- Art - Studio
- Community Arts - PAVE

### Advising Notes
- None

### Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information

### Acceptable Substitutes for Transfer Courses
- None

### Plan of Study

#### Freshman Year - Fall
- 12 hrs
  - ARH 2050 History of Western Art I | 3 hrs |
  - ENC 1101 Composition I | 3 hrs |
  - HUM 2210 Humanistic Tradition I | 3 hrs |
  - MGF 1106 Finite Mathematics | 3 hrs |

#### Freshman Year - Spring
- 15 hrs
  - Restricted Elective | 3 hrs |
  - ARH 2051 History of Western Art II | 3 hrs |
  - ARH 2500 History of Non-Western Art | 3 hrs |
  - ENC 1102 Composition II | 3 hrs |
  - STA 1060C Basic Statistics Using Microsoft Excel | 3 hrs |

#### Sophomore Year - Fall
- 15 hrs
  - ART 2201C Design Fundamentals-Two Dimensional | 3 hrs |
  - ART 2300C Drawing Fundamentals | 3 hrs |
  - COM 1000 Introduction to Communication | 3 hrs |
  - ENC 3311 Advanced Expository Writing | 3 hrs |
  - POS 2041 American National Government | 3 hrs |

#### Sophomore Year - Spring
- 15 hrs
  - ANT 2000 General Anthropology | 3 hrs |
  - ARH 4540 Art of India | 3 hrs |
  - BSC 1005 Biological Principles | 3 hrs |
  - CHM 1020 Concepts in Chemistry | 3 hrs |
  - SPN 1120C Elementary Spanish Language and Civilization I | 4 hrs |

#### Junior Year - Fall
- 15 hrs
  - ARH 3710 History of Photography I | 3 hrs |
  - ARH 4310 Italian Renaissance Art | 3 hrs |
  - ARH 4450 20th Century Art | 3 hrs |
  - ARH 4653 Meso American Art | 3 hrs |
  - SPN 1121C Elementary Spanish Language and Civilization II | 4 hrs |
Art B.A. - Studio Track (B.A.)
College of Arts and Humanities
School of Visual Arts and Design, Visual Arts Building,
Room: 117
http://www.svad.ucf.edu
E-mail: svad@mail.ucf.edu
Ms. Donna Mercado, 407-823-1708

Note: Although the School maintains a computer lab for student use, students must have continual access to a lab top computer. Contact the School for the minimum hardware and software specifications. The School affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, Art courses often utilize images of clothed and unclothed human figures and, in certain studio class-es, 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.

Equipment Fees
- Part-Time Student: $31.50 per term
- Full-Time Student: $63 per term

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $31.50 per term
- Full-Time Student: $63 per term

Art B.A. - Studio Track (B.A.)
College of Arts and Humanities
School of Visual Arts and Design, Visual Arts Building,
Room: 117
http://www.svad.ucf.edu
E-mail: svad@mail.ucf.edu
Ms. Donna Mercado, 407-823-1708

Note: Although the School maintains a computer lab for student use, students must have continual access to a lab top computer. Contact the School for the minimum hardware and software specifications. The School affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, Art courses often utilize images of clothed and unclothed human figures and, in certain studio class-es, 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.

Equipment Fees
- Part-Time Student: $31.50 per term
- Full-Time Student: $63 per term

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $31.50 per term
- Full-Time Student: $63 per term
UCF Degree Programs

Photography
PGY 2401C  Beginning Photography  3 hrs
PGY 4420C  Advanced Photography  3 hrs
PGY 4440C  Special Problems in Photography  3 hrs

1 May be repeated for credit.

Sculpture
ART 2701C  Sculpture  3 hrs
ART 4710C  Advanced Sculpture  3 hrs

1 May be repeated for credit.

Type and Design
GRA 3202C  Type & Design  3 hrs

6. Capstone Requirements
None

7. Foreign Language Requirements
Admissions
Met by graduation requirement.
Graduation
Proficiency equivalent to one year of college instruction in a single foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
Select primarily from upper level courses, with school advisor’s approval. May be outside of the school. (A maximum of six hours of Independent Study, Practicum, and Internship permitted.)

9. Additional Requirements
None

10. Required Minors
None

11. Departmental Exit Requirements
Achieve at least a GPA (2.0) overall in courses within the major.
Computer Competency met by:
GRA 2101C  Introduction to Computer Art  3 hrs
STA 1060C  Basic Statistics Using Microsoft Excel  3 hrs

12. University Minimum Exit Requirements
A 2.0 UCF GPA
60 semester hours earned after CLEP awarded
48 semester hours of upper division credit completed
30 of the last 39 hours of course work must be completed in residency at UCF
A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
120

Honors In Major
None

Related Programs
Art B.A. - Visual Arts and Emerging Media Management Track
Art B.F.A. - Emerging Media Track
Art Education

Certificates
None

Related Minors
Digital Media

Advising Notes
None

Transfer Notes
Courses taken at community colleges do not substitute for Upper Division courses.
Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
For common program prerequisites if taken.
GRA 2101C  Introduction to Computer Art  3 hrs
may be substituted with:
3 hours of any digital art course; however, GRA 2101C is a prerequisite for subsequent art courses and will need to be taken for the major

Plan of Study
Freshman Year - Fall 15 hrs
ARH 2050  History of Western Art I  3 hrs
ART 2823  Art as Interface  3 hrs
ENC 1101  Composition I  3 hrs
HUM 2210  Humanistic Tradition I  3 hrs
MGF 1106  Finite Mathematics  3 hrs

Sophomore Year - Fall 15 hrs
ART 2203C  Design Fundamentals-Three Dimensional  3 hrs
ART 2300C  Drawing Fundamentals I  3 hrs
COM 1000  Introduction to Communication  3 hrs
GRA 2101C  Introduction to Computer Art  3 hrs
POS 2041  American National Government  3 hrs

Junior Year - Fall 16 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
ART 3161  Mixed Media  3 hrs
ART 4320C  Advanced Drawing  3 hrs
GRA 2151C  Illustration  3 hrs

Senior Year - Fall 15 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
ART 4350C  Advanced Drawing  3 hrs
PGY 4420C  Advanced Photography  3 hrs

Junior Year - Spring 16 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
ART 3161  Mixed Media  3 hrs
ART 4320C  Advanced Drawing  3 hrs
GRA 2151C  Illustration  3 hrs

Senior Year - Spring 15 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
ART 4350C  Advanced Drawing  3 hrs
PGY 4420C  Advanced Photography  3 hrs
Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oears.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $31.50 per term
- Full-Time Student: $63.00 per term

Art B.A. - Visual Arts and Emerging Media
Management Track (B.A.)
College of Arts and Humanities
School of Visual Arts and Design
Mr. Jack Lew, 407-823-2676

Note: Although the school maintains a computer lab for student use, majors must have continual access to a computer. Contact the program for the minimum hardware and software specifications.

Admission Requirements
- None

Degree Requirements
- All junior level students in this program must satisfactorily complete the mandatory ART 3950-Portfolio Review ONLY if they wish to enroll in upper division ART courses, otherwise, students in this program are not required to complete ART 3950-Portfolio Review. The Spring review takes place the first week of March. The Fall review takes place the first week of October.
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Visual Arts and Design. None of these must be in an area of specialization.
- Students must earn at least a “C” (2.0) in each required course, except DIG 2000 as noted.
- Co-op internship credits are not permitted in this major without prior written permission.
- Students should consult with a School advisor prior to selecting a specialization and at least annually thereafter.

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

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

Take all of the following:
6 hrs
Suggested ARH 2050 History of Western Art I and 3 hrs
Suggested ARH 2051 History of Western Art II 3 hrs

Select a course from group B.1 or B.2 3 hrs

C: Mathematical Foundations (6 hrs)
1 MGF 1106 Finite Mathematics 3 hrs

Prefer
Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

1 (may substitute a higher level math)

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (24 hrs)

ARH 2050 History of Western Art I GEP 3 hrs

ARH 2051 History of Western Art II GEP 3 hrs

ART 2201C Design Fundamentals-Two Dimensional 3 hrs
1 ART 2303C Design Fundamentals-Three Dimensional 3 hrs

ART 2300C Drawing Fundamentals I 3 hrs

ART 2301C Drawing Fundamentals II 3 hrs
1 GRA 2101C Introduction to Computer Art 3 hrs

ART 2XX-4XXX Any ART prefix, studio, or media course 3 hrs

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)

ART 2500 History of Non-Western Art 3 hrs

ART 2823 Art as Interface 3 hrs

4. Core Requirements: Advanced Level (7 hrs)

ART 3950 Portfolio Review 0 hrs

GEB 3031 Cornerstone: Professional Skills for Business 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 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 4450 20th Century Art or 3 hrs

ARH 4800 Theory and Criticism of the Visual Arts or 3 hrs

FIL 3041 History of Animated Films I or 3 hrs

FIL 4042 History of Animated Films II or 3 hrs

PHI 3800 Aesthetics 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

DIG 3480C Computer as a Medium or 3 hrs

1 DIG 3525 Digital Media Production I 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 5565C Digital Asset Management Systems 3 hrs

1 These courses may also be applied toward an 18 credit Minor in Technological Entrepreneurship

Business 3 hrs

Select 1: 3 hrs

BUL 3130 Legal and Ethical Environment of Business or 4 hrs
1 GEB 3113 How to Start a Business or 3 hrs

MAN 3025 Management of Organizations or 4 hrs

MAR 3023 Marketing 4 hrs

1 These courses may also be applied toward an 18 credit Minor in Technical Entrepreneurship

Arts Management 3 hrs

Select one:

ARE 3944 Community Arts Practicum 3 hrs

ARE 4262 Methods in Art Administration 3 hrs

ARH 3820 Visual Arts Administration Vitas 3 hrs

FIL 4647 Film Production Management 3 hrs

FIL 5621 Film and Internet Business 3 hrs

PGY 3480 Museum and Gallery Practices 3 hrs

6. Capstone Requirements

DIG 4855 Converging Media Capstone 3 hrs

7. Foreign Language Requirements
UCF Degree Programs

Admissions

Met by graduation requirement

Graduation

Proficiency equivalent to one year of college instruction in a single foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives

(Credit hours are variable)
Select primarily from upper level courses, with school advisor’s approval. May be outside of the school. (A maximum of six hours of Independent Study, Practicum, and Internship permitted.)

9. Additional Requirements

None

10. Required Minors

None

11. Departmental Exit Requirements

None

12. University Minimum Exit Requirements

A 2.0 UCF GPA
60 semester hours earned after CLEP awarded
48 semester hours of upper division credit completed
30 of the last 39 hours of course work must be completed in residency at UCF
A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

120

Honors In Major

None

Related Programs

Art B.F.A. - Studio Art Track
Art B.A. - History Track
Art Education

Certificates

None

Related Minors

Community Arts - PAVE
Digital Media
Technological Entrepreneurship

Advising Notes

None

Transfer Notes

Grades less than a “C” (2.0) are not accepted.
Courses taken at community colleges do not substitute for Upper Division courses.
Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide supporting information.

Acceptable Substitutes for Transfer Courses

Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
GRA 2101C: may substitute 3 hours of any digital art course, however, GRA 2101C is a prerequisite for subsequent art courses and will need to be taken for the major.

Plan of Study

Freshman Year - Fall 15 hrs
ARH 2050 History of Western Art I 3 hrs
ART 2823 Art as Interface 3 hrs
ENC 1101 Composition I 3 hrs
1 HUM 2210 Humanistic Tradition I 3 hrs
1 MGF 1106 Finite Mathematics 3 hrs

1 req #1B1-GEP
2 req #1C1-GEP

Freshman Year - Spring 15 hrs
1 Supporting Elective 3 hrs
ARH 2051 History of Western Art II 3 hrs
ART 2201C Design Fundamentals - Two Dimensional 3 hrs
ENC 1102 Composition II 3 hrs
STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

1 Check restrictions

Sophomore Year - Fall 15 hrs
ART 2203C Design Fundamentals - Three Dimensional 3 hrs
ART 2300C Drawing Fundamentals I 3 hrs
1 COM 1000 Introduction to Communication 3 hrs
GRA 2101C Introduction to Computer Art 3 hrs
2 POS 2041 American National Government 3 hrs

1 req #1A3-GEP
2 req #1D1-GEP

Sophomore Year - Spring 15 hrs
1 ANT 2000 General Anthropology 3 hrs
ART 2500 History of Non-Western Art 3 hrs
ART 2301C Drawing Fundamentals II 3 hrs
ART 3950 Portfolio Review 0 hrs
2 BSC 1005 Biological Principles 3 hrs
3 CHM 1020 Concepts in Chemistry 3 hrs

1 req #1D2-GEP
2 req #1E2-GEP
3 req #1E1-GEP

Junior Year - Fall 15 hrs
1 Restricted Elective 3 hrs
2 Supporting Elective 1 hr
2 Supporting Elective 3 hrs
GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
3 SPN 1120C Elementary Spanish Language and Civilization I 4 hrs

1 req #5
2 Check restrictions
3 req #Lang/Elect

Junior Year - Spring 16 hrs
1 Restricted Elective 3 hrs
1 Restricted Elective 3 hrs
2 Supporting Elective 3 hrs
2 Supporting Elective 3 hrs
2 Supporting Elective 3 hrs
3 SPN 1121C Elementary Spanish Language and Civilization II 4 hrs

1 req #5
2 Check restrictions
3 req #Lang/Elect

Senior Year - Fall 15 hrs
1 Restricted Elective 3 hrs
1 Restricted Elective 3 hrs
2 Supporting Elective 3 hrs
2 Supporting Elective 3 hrs
2 Supporting Elective 3 hrs

1 req #5
2 Check restrictions
# Degree Programs

## Art B.F.A. - Emerging Media Track (B.F.A.)

### College of Arts and Humanities

#### School of Visual Arts and Design

- [http://www.svad.ucf.edu](http://www.svad.ucf.edu)
- E-mail: svad@mail.ucf.edu
- Jack Lew, 407-823-2676

The Emerging Media track allows students to integrate the multiple domains of art, storytelling, and technology. It is designed to: Provide a solid foundation in techniques and theory in one focused area of competence. Provide a broad understanding of related disciplines including arts, humanities, and technology. Provide extended experience in working in multidisciplinary teams on realistic problems. The program is administered through the School of Visual Arts and Design. It is recognized that there are many combinations of courses which meet the needs of individual students. Three specializations - Graphic Design, Character Animation, and Experimental Animation - lead to a Bachelor of Fine Arts degree. Note: Emerging Media majors must have continual access to a computer. Contact the UCF Computer Store or see the website ([http://www.cstore.ucf.edu](http://www.cstore.ucf.edu)) for the minimum hardware and software specifications.

### Admission Requirements
- None

### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Visual Arts and Design. Nine of these must be in an area of specialization.
- Students must earn at least a "C" (2.0) in each required course, except DIG 2000 as noted.
- Co-op or internship credits are not permitted in this major without prior written permission.
- Students should consult with a school advisor prior to selecting a specialization and at least annually thereafter.

### 1. UCF General Education Program (GEP) (37 hrs)

<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>Take all of the following:</td>
<td>6 hrs</td>
</tr>
<tr>
<td>Required ARH 2050 History of Western Art I and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Required ARH 2051 History of Western Art II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Select a course from group B.1</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### C: Mathematical Foundations (7 hrs)

<table>
<thead>
<tr>
<th>Take all of the following:</th>
<th>7 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required COP 2500C Concepts in Computer Science and</td>
<td>4 hrs</td>
</tr>
<tr>
<td>Required MAC 1105 College Algebra</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### D: Social Foundations (6 hrs)

### E: Science Foundations (6 hrs)

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

| ARH 2050 History of Western Art I | GEP |
| ARH 2051 History of Western Art II | GEP |
| ART 2201C Design Fundamentals-Two Dimensional | 3 hrs |
| ART 2203C Design Fundamentals-Three Dimensional | 3 hrs |
| ART 2300C Drawing Fundamentals I | 3 hrs |
| ART 2301C Drawing Fundamentals II | 3 hrs |
| GRA 2101C Introduction to Computer Art | 3 hrs |

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

| ARH 2500 History of Non-Western Art | 3 hrs |
| ART 2823 Art as Interface | 3 hrs |
| COP 2500C Concepts in Computer Science | GEP |
| DIG 2000 Introduction to Digital Media | 3 hrs |
| DIG 2030C Digital Video Fundamentals | 3 hrs |
| DIG 2109C Digital Imaging Fundamentals | 3 hrs |
| DIG 2500C Fundamentals of Interactive Design | 3 hrs |
| MAC 1105 College Algebra | GEP |

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

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

### 5. Restricted Electives (39 hrs)

<table>
<thead>
<tr>
<th>Specializations</th>
</tr>
</thead>
</table>

### Graphic Design

- Graphic Design Basic Concentration - 18 hours

| GRA 3020C Intermediate Graphic Design I | 3 hrs |
| GRA 312C Intermediate Graphic Design II | 3 hrs |
| GRA 3202C Type & Design | 3 hrs |
| GRA 3803C Intermediate Computer Graphic Design | 3 hrs |
| GRA 4196C Advanced Graphic Design | 3 hrs |
| GRA 4197C Special Problems in Graphic Design | 3 hrs |

### Graphic Design - Restricted Electives - 21 hours

Complete 21 hours of credits from the following areas: 9 hours must be from 3000 or 4000 level art history courses, 12 hours from 3000 or 4000 ART, ARH, GRA, DIG courses or any 3000 or 4000 level course approved by the School.

### Character Animation

39 hrs

<table>
<thead>
<tr>
<th>Character Animation Basic Concentration - 24 hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIG 3355C Artificial Environments and Effects</td>
</tr>
<tr>
<td>DIG 3435C Visual Storytelling and Visual Development</td>
</tr>
<tr>
<td>DIG 4250C New Imagery in Motion Workshop</td>
</tr>
<tr>
<td>DIG 4256C Artificial Environments and Effects Workshop</td>
</tr>
<tr>
<td>DIG 4394C Motion Graphics: Advanced Compositing</td>
</tr>
<tr>
<td>DIG 4434C Narrative Techniques in the Moving Image</td>
</tr>
<tr>
<td>DIG 4451C Visual Storytelling and Visual Development Workshop</td>
</tr>
<tr>
<td>DIG 4486C Visual Language of Moving Image II</td>
</tr>
</tbody>
</table>
UCF Degree Programs

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
  hours required outside the specialization area from 3000 or 4000 ART, ARH, GRA, DIG courses or any 3000 or 4000 level courses approved by the School

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Met by graduation requirement

Graduation
- Proficiency equivalent to one year of college instruction in a single foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
- Unrestricted electives - credit hours varies with specialization
- Electives may be taken in allied programs such as Art, Music, Philosophy, English, Film, Communication, Computer Science, etc. as approved by the School.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- None

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 124

Honors In Major
- None

Related Programs
- Art
- Computer Science
- English - Technical Communication
- Film
- Music

Certificates
- None

Related Minors
- Art - Studio
- Computer Science
- English - Technical Communication
- Film - Cinema Studies

- Information Technology
- Music

Advising Notes
- None

Transfer Notes
- Grades less than a “C” (2.0) are not accepted.
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.o eas.ucf.edu/a lc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $31.50 per term
- Full-Time Student: $63.00 per term

Art B.F.A. - Studio Art Track (B.F.A.)
College of Arts and Humanities
School of Visual Arts and Design, Visual Arts Building,
Room: 117
http://www.svad.ucf.edu
E-mail: svad@mail.ucf.edu
Jack Lew
Phone: 407-823-2676

The BFA degree prepares students for professional practices and is recommended for students who plan to attend graduate school. The BFA degree provides a solid foundation in techniques and theory in focused areas of competence.

Admission Requirements
- All junior level students in this program must satisfactorily complete the mandatory ART 3950-Portfolio Review before enrolling in upper division ART courses. The Spring review takes place in the first week of March. The Fall review takes place in the first week of October.
- Students unable to satisfactorily complete ART 3950-Portfolio Review, may continue in the Art History or the Visual Art and Emerging Media Management tracks.
- Students may apply to the BFA Program as early as the first semester of their Junior year. If they have a 3.0 overall average in ART courses, they are automatically accepted. Students who do not meet these requirements may petition the BFA committee for acceptance.
- “D” grades from other institutions do not meet departmental requirements.
- Note: Individual portfolio reviews are not possible due to the large number of applicants.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- 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.
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1. UCF General Education Program (GEP)</strong></td>
<td></td>
<td>(36 hrs)</td>
</tr>
<tr>
<td><strong>A: Communication Foundations</strong></td>
<td></td>
<td>(9 hrs)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>B: Cultural &amp; Historical Foundations</strong></td>
<td></td>
<td>(9 hrs)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Take all of the following:</td>
<td></td>
<td>6 hrs</td>
</tr>
<tr>
<td>Required</td>
<td>ARH 2050 History of Western Art I and ARH 2051 History of Western Art II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Required</td>
<td>ARH 2051 History of Western Art II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Select a course from group B.1</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>C: Mathematical Foundations</strong></td>
<td></td>
<td>(6 hrs)</td>
</tr>
<tr>
<td>Prefer</td>
<td>STA 1060C Basic Statistics Using Microsoft Excel</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Select 1:</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>Prefer</td>
<td>MGF 1106 Finite Mathematics or MGF 1107 Explorations in Mathematics</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 (may substitute a higher level math)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>D: Social Foundations</strong></td>
<td></td>
<td>(6 hrs)</td>
</tr>
<tr>
<td><strong>E: Science Foundations</strong></td>
<td></td>
<td>(6 hrs)</td>
</tr>
<tr>
<td><strong>2. Common Program Prerequisites (CPP)</strong></td>
<td></td>
<td>(18 hrs)</td>
</tr>
<tr>
<td>ARH 2050 History of Western Art I</td>
<td>GEP</td>
<td></td>
</tr>
<tr>
<td>ARH 2051 History of Western Art II</td>
<td>GEP</td>
<td></td>
</tr>
<tr>
<td>ART 2201C Design Fundamentals-Two Dimensional</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>1 ART 2203C Design Fundamentals-Three Dimensional</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>1 ART 2300C Drawing Fundamentals I</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>1 ART 2301C Drawing Fundamentals II</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>1 GRA 2101C Introduction to Computer Art</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>Any ART prefix, studio, or media courses at the 2000-4000 levels</td>
<td></td>
<td></td>
</tr>
<tr>
<td>See &quot;Common Prerequisites&quot; in the Transfer and Transitions Services section for more information</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 *See Transfer Notes for possible substitutes</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>3. Core Requirements: Basic Level</strong></td>
<td></td>
<td>(6 hrs)</td>
</tr>
<tr>
<td>ARH 2500 History of Non-Western Art</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>ART 2823 Art as Interface</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>ART 3950 Portfolio Review</td>
<td>0 hrs</td>
<td></td>
</tr>
<tr>
<td>GRA 2101C Introduction to Computer Art</td>
<td>CPP</td>
<td></td>
</tr>
<tr>
<td><strong>4. Core Requirements: Advanced Level</strong></td>
<td></td>
<td>(0 hrs)</td>
</tr>
<tr>
<td>None</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>5. Restricted Electives</strong></td>
<td></td>
<td>(42 hrs)</td>
</tr>
<tr>
<td><strong>a. Specialization:</strong></td>
<td></td>
<td>(18 hrs)</td>
</tr>
<tr>
<td>Select six upper division courses from one area: (classes with an asterisk may be repeated for credit)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Book Arts</strong></td>
<td></td>
<td>0 hr</td>
</tr>
<tr>
<td>ART 3170C Book Binding or ART 3171C Materials for Artist Books or ART 3175C Advanced Issues in Contemporary Book Arts</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>ART 3176C The Illuminated Book or ART 3737C Narrative Sculpture</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>ART 4172C Book Repair and Restoration or ART 4173C The Artist Book</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>ART 4174C The Printed Book or ART 4177C Commercial Book Design and Publishing or ART 4644C Books Without Books</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td><strong>Ceramics</strong></td>
<td></td>
<td>0 hr</td>
</tr>
<tr>
<td>ART 3761C Intermediate Ceramics or ART 3764C Ceramic Handbuilding I or 1 ART 4783C Advanced Ceramics</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td><strong>Drawing</strong></td>
<td></td>
<td>0 hr</td>
</tr>
<tr>
<td>ART 3332C Intermediate Drawing or 1 ART 4320C Advanced Drawing</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td><strong>Drawing/Printmaking Combination</strong></td>
<td></td>
<td>0 hr</td>
</tr>
<tr>
<td>ART 3332C Intermediate Drawing or ART 3433C Screenprinting</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>1 ART 4320C Advanced Drawing or 1 ART 4402C Advanced Printmaking</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td><strong>Drawing/Illustration Combination</strong></td>
<td></td>
<td>0 hr</td>
</tr>
<tr>
<td>ART 3332C Intermediate Drawing or GRA 2151C Illustration or 1 GRA 4154C Advanced Illustration</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td><strong>Painting</strong></td>
<td></td>
<td>0 hr</td>
</tr>
<tr>
<td>ART 3504C Intermediate Painting or 1 ART 4505C Advanced Painting</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td><strong>Photography</strong></td>
<td></td>
<td>0 hr</td>
</tr>
<tr>
<td>PGY 3410C Intermediate Photography or 1 PGY 4420C Advanced Photography or PGY 4440C Special Problems in Photography</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td><strong>Sculpture</strong></td>
<td></td>
<td>0 hr</td>
</tr>
<tr>
<td>1 ART 4710C Advanced Sculpture</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>1 May be repeated for credit.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>b. Electives in Art:</strong></td>
<td></td>
<td>15 hrs</td>
</tr>
<tr>
<td>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.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Book Arts, Ceramics, Drawing, Illustration, Painting, Photography, Printmaking, Sculpture, and Special Topics Studio Courses.</td>
<td></td>
</tr>
<tr>
<td><strong>c. Additional Electives</strong></td>
<td></td>
<td>9 hrs</td>
</tr>
<tr>
<td>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).</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>6. Capstone Requirements</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>None</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>7. Foreign Language Requirements</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Admissions</td>
<td>Met by graduation requirement</td>
<td></td>
</tr>
<tr>
<td>Graduation</td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td><strong>8. Electives</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Select primarily from upper level courses, with school advisor's approval. May be outside of the department.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>9. Additional Requirements</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>None</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>10. Required Minors</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>None</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>11. Departmental Exit Requirements</strong></td>
<td></td>
<td>(3 hrs)</td>
</tr>
<tr>
<td>ART 4935 BFA Exhibit/Seminar required.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(BFA Exhibit Seminar is only offered during Spring Semester)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Achieve at least a “B” GPA (3.0) overall in courses within the major.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
UCF Degree Programs

- Each senior is required to submit a portfolio of representative work in the student’s specialization, for review and approval by faculty, during their last semester of matriculation toward the degree.
- Computer Competency met by STA 1060C or GRA 2101C.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Art B.A. - History Track
- Art B.A. - Visual Arts and Emerging Media Management Track
- Art B.F.A. - Emerging Media Track
- Art Education

Certificates
- None

Related Minors
- Community Arts - PAVE

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
  - GRA 2101C*. A student may substitute any three hour digital art course; however, GRA 2101C is a prerequisite for subsequent art courses and will need to be taken for the major.

Plan of Study
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $31.50 per term
- Full-Time Student: $63.00 per term

Art Education (B.S.)
College of Education
Department of Teaching and Learning Principles, Education Building, Room: 209
http://education.ucf.edu/arted
Dr. Thomas Brewer, ED 122U, tbrewer@mail.ucf.edu, 407-823-3714
Dr. Janet Andreasen, ED 123Q, jandreas@mail.ucf.edu, 407-823-5430

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university
- Have a minimum 2.5 overall GPA
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).
- Complete all Education Common Program Prerequisite courses and Other Program Prerequisites with a minimum letter grade of “C-” (1.75) or better.
- Meet the Gordon Rule Requirement.
- Meet the Foreign Language Admission Requirement.

Degree Requirements
- Students should see an advisor prior to registering for classes
- The courses designated in 1. (General Education), 2. (Education Common Program Prerequisites), and 3. (Other Program Prerequisites) should be completed prior to admission to the major and upper division education courses
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. UCF General Education Program (GEP) (36 hrs)
- Students are strongly advised to take the preferred courses.

A: Communication Foundations (9 hrs)
Required ENC 1101 Composition I 3 hrs
Required ENC 1102 Composition II 3 hrs
Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
Prefer AMH 2010 U.S. History: 1492-1877 3 hrs
Prefer AMH 2020 U.S. History: 1877-Present 3 hrs
Required ARH 2050 History of Western Art I 3 hrs

C: Mathematical Foundations (6 hrs)
Prefer MGF 1106 Finite Mathematics 3 hrs

Select 1: (3 hrs)
Prefer STA 1060C Basic Statistics Using Microsoft Excel or
Prefer STA 2041C 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 (3 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
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 (30 hrs)

- ARH 2050 History of Western Art I  
  GEP
- ARH 2051 History of Western Art II  
  3 hrs
- ART 2200C Design Fundamentals—Two Dimensional  
  3 hrs
- ART 2203C Design Fundamentals—Three Dimensional  
  3 hrs
- ART 2300C Drawing Fundamentals I  
  3 hrs
- ART 2301C Drawing Fundamentals II  
  3 hrs
- ART 2400C Beginning Printmaking  
  3 hrs
- ART 2500C Beginning Painting  
  3 hrs
- ART 2754C Beginning Ceramics  
  3 hrs
- GRA 2101C Introduction to Computer Art  
  3 hrs
- PGY 2401C Beginning Photography  
  3 hrs

4. Core Requirements: Advanced Level (30 hrs)

- ARE 4351 Teaching Art in the Elementary School  
  3 hrs
- ARE 4352 Teaching Art in the Secondary School  
  3 hrs
- ARE 4250 Art for Exceptionalities  
  3 hrs
- ARE 4940 Internship  
  3 hrs
- EDF 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
- RED 4043 Content Reading in Kindergarten through Grade 12  
  3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools  
  3 hrs

Internship I (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 in 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/

Specialization Requirements (12 hrs)
- ARE 4250 Art for Exceptionalities  
  3 hrs
- ARE 4351 Teaching Art in the Elementary School  
  3 hrs
- ARE 4352 Teaching Art in the Secondary School  
  3 hrs
- ARE 4356 Teaching Art Appreciation & Criticism in the Classroom  
  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.

7. Foreign Language Requirements

Admissions
- State University System foreign language admission: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school)

Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Achieve a minimum 2.5 GPA in all courses within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- Pass all applicable sections of the Florida Teacher Certification Examination.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 126

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- The program of study will be affected by course offerings and availability. Please see the Art Education Web site at http://education.ucf.edu/arted/ for the advising policy.

Freshman Year - Fall (15 hrs)
- ARH 2050 History of Western Art I  
  3 hrs
- EDF 2005 Introduction to the Teaching Profession  
  3 hrs
- ENC 1101 Composition I  
  3 hrs
- MGF 1106 Finite Mathematics  
  3 hrs
- PSY 2012 General Psychology  
  3 hrs

Freshman Year - Spring (12 hrs)
- ARH 2051 History of Western Art II  
  3 hrs
- ART 2201C Design Fundamentals—Two Dimensional  
  3 hrs
- EDF 2065 Introduction to Diversity for Educators  
  3 hrs
- ENC 1102 Composition II  
  3 hrs
UCF Degree Programs

Freshman Year - Summer
- EME 2040 Introduction to Technology for Educators 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

Sophomore Year - Fall
- AMH 2010 U.S. History: 1492-1877 3 hrs
- ART 2203C Design Fundamentals/Three Dimensional 3 hrs
- BSC 1005 Biological Principles 3 hrs

Select 1:
- STA 1060C Basic Statistics Using Microsoft Excel or Principles of Statistics 3 hrs

Sophomore Year - Spring
- AMH 2020 U.S. History: 1877-Present 3 hrs
- ART 2300C Drawing Fundamentals I 3 hrs
- ART 2400C Beginning Printmaking 3 hrs
- POS 2041 American National Government 3 hrs
- PSC 1121 Physical Science 3 hrs

Sophomore Year - Summer
- GRA 2101C Introduction to Computer Art 3 hrs
- PGY 2401C Beginning Photography 3 hrs

Junior Year - Fall
- ARE 4366 Teaching Art Appreciation & Criticism in the Classroom 3 hrs
- ART 2301C Drawing Fundamentals II 3 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

Junior Year - Spring
- ARE 4250 Art for Exceptionalities 3 hrs
- ARE 4352 Teaching Art in the Secondary School 3 hrs
- ART 2500C Beginning Painting 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
- Restricted Elective (Any ARE/ARH/ART/PGY 3/4XXX w/ Advisor approval) 3 hrs

Junior Year - Summer
- ART 2754C Beginning Ceramics 3 hrs
- Restricted Elective (Any ARE/ARH/ART/PGY 3/4XXX w/ Advisor approval) 3 hrs

Senior Year - Fall
- ARE 3940 Internship 3 hrs
- ARE 4351 Teaching Art in the Elementary School 3 hrs
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- Restricted Elective (Any ART/ARH/ARE/PGY 3/4XXX w/ Advisor approval) 3 hrs

Senior Year - Spring
- ARE 4941 Internship 1 hr

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Athletic Training (B.S.)
College of Health and Public Affairs
Department of Health Professions,
Health and Public Affairs II, Room: 208
http://www.cohpa.ucf.edu/health.pro/athletic_training.shtml
E-mail: atinfo@mail.ucf.edu
Kristen C. Schellhase
Phone: 407-823-2747

Admission Requirements
- Students may only begin the athletic training program track in the Summer B semester and must have:
  ▪ Acceptance to the university as an undergraduate student in Athletic Training Pending. (Acceptance into the University does not constitute admission into the Program in Athletic Training.)
  ▪ A separate application to this competitive restricted access program must be made to the Program in Athletic Training by March 1st. Acceptance into the university for the summer semester is necessary before acceptance into the Program in Athletic Training can occur.
  ▪ A minimum of 2.75 overall grade point average and a minimum grade of “C” (2.0) in program prerequisites.
  ▪ Completion of an AA degree from a Florida Community College or completion of UCF’s General Education Program.
  ▪ This program is work-intensive and courses include clinical practice in a variety of settings. Due to this intensity, it is strongly recommended that students be at least one year post high school prior to applying to the program. Students with concerns or questions should contact the program to schedule an appointment with an advisor.
  ▪ Consent of Program Director.
  ▪ A minimum of 100 documented clock hours working, volunteering, or shadowing with a licensed certified athletic trainer (ATC) prior to application. At least 50 of these hours must be obtained within a traditional athletic training setting (high school, college, professional).

Technical Standards Requirement
- The Program in Athletic Training at University of Central Florida is a rigorous and intense program that places specific requirements and demands on the students enrolled in the program. An objective of this program is to prepare graduates to enter a variety of employment settings and to render care to a wide spectrum of individuals engaged in physical activity. The technical standards establish the essential qualities considered necessary for students admitted to this program to achieve the knowledge, skills, and competencies of an entry-level athletic trainer, as well as meet the expectations of the program’s accrediting agency (Commission on Accreditation of Athletic Training Education [CAATE]). The following abilities and expectations must be met by all students admitted to the Program in Athletic Training. In the event a student is unable to fulfill these technical standards, with or without reasonable accommodation, the student will not be admitted into the program. Compliance with the program’s technical standards does not guarantee a student’s eligibility for the BOC examination.
UCF Degree Programs

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 athlete training education program as outlined and sequenced;
- Flexibility and the ability to adjust to changing situations and uncertainty in clinical situations;
- Affective skills and appropriate demeanor and rapport that relate to professional education and quality patient care.

Degree Requirements
- Students who are pending Athletic Training Track and are admitted to the major must adopt the most current catalog
- 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 the required time 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 3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)
- Required MAC 1114 College Trigonometry 3 hrs
- Suggested STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)
- Suggested POS 2041 American National Government 3 hrs
- Suggested PSY 2012 General Psychology 3 hrs

E: Science Foundations (8 hrs)
- Suggested BSC 2010C Biology I 4 hrs
- Suggested CHM 2045C Chemistry Fundamentals I 4 hrs

2. Common Program Prerequisites (CPP) (15 hrs)
- The following courses are required before entering the professional phase of the Program in Athletic Training. Each of the required courses must have a grade of a “C” (2.0) or better.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

BSC 2010C Biology I GEP
HSC 3147 Introduction to Pharmacology 3 hrs
PET 3510C Physiologic & Metabolic Basis of Human Movement & Performance 3 hrs
PET 3620 Principles of Athletic Training 3 hrs
PET 3623C Recognition and Evaluation of Athletic Injuries I 3 hrs
PET 3630C Clinical Skills for Athletic Trainers I 2 hrs
PET 3649C Clinical Skills for Athletic Training II 2 hrs
PET 3670L Practicum in Athletic Training I 4 hrs
PET 3671L Practicum in Athletic Training II 4 hrs
PET 4315C Biomechanics of Sport 3 hrs
PET 4603C Introduction to Athletic Training 3 hrs
PET 4606 Applied Fitness in Sport 3 hrs
PET 4624C Recognition and Evaluation of Athletic Injuries II 3 hrs
PET 4632C Therapeutic Exercise in Athletic Training 4 hrs
PET 4632C Therapeutic Modalities in Athletic Training 4 hrs
PET 4636C Advanced Rehabilitation in Athletic Training 3 hrs
PET 4660C Organization and Administration of Athletic Training 3 hrs
PET 4672L Practicum in Athletic Training III 4 hrs
PET 4673L Practicum in Athletic Training IV 4 hrs
PET 4674L Practicum in Athletic Training V 4 hrs
PET 4674L Practicum in Athletic Training VI 4 hrs
PET 4674L Practicum in Athletic Training VII 4 hrs
PET 4674L Practicum in Athletic Training VIII 4 hrs
PET 4674L Practicum in Athletic Training IX 4 hrs
PET 4674L Practicum in Athletic Training X 4 hrs

3. Core Requirements: Basic Level (0 hrs)
- None

4. Core Requirements: Advanced Level (62 hrs)

Professional Phase
- The following courses are required to complete the professional phase of the Program in Athletic Training. Each of the required courses must have a grade of a “C” (2.0) or better.

APK 4315 Sports Medicine Field Application 3 hrs
HSC 3147 Introduction to Pharmacology 3 hrs

3. Core Requirements: Basic Level (0 hrs)

5. Restricted Electives (0 hrs)
- None

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

Undergraduate Catalog 2010-2011
UCF Degree Programs

8. Electives
■ Suggested electives relate to Health Sciences, Business, Education, Health Services Administration, Health Informatics and Information Management, Psychology, and Sports & Fitness

9. Additional Requirements
■ None

10. Required Minors
■ None

11. Departmental Exit Requirements
■ A minimum overall GPA of 2.75 and a minimum grade of "C" (2.0) in prerequisite and major courses are required for graduation from the Program in Athletic Training. The program is accredited by the Commission on Accreditation of Athletic Training Education (CAATE). Graduates are eligible to apply to take the Board of Certification (BOC) examination. The examination application requirements include criteria related to criminal history and academic disciplinary history. Applicants to the Program in Athletic Training are encouraged to investigate these requirements before beginning the Program in Athletic Training.
■ Two years of successful clinical rotation under the direct supervision of an Approved Clinical Instructor (ACI).

12. University Minimum Exit Requirements
■ A 2.0 UCF GPA
■ 60 semester hours earned after CLEP awarded
■ 48 semester hours of upper division credit completed
■ 30 of the last 39 hours of course work must be completed in residency at UCF
■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
■ Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
■ 120

Honors In Major
■ None

Related Programs
■ Business Administration
■ Health Informatics and Information Management
■ Health Sciences - Pre-Clinical Track
■ Health Services Administration
■ Public Administration
■ Sport and Fitness

Certificates
■ None

Related Minors
■ Courses leading to a teaching certificate (education) are also appropriate. Electives in advanced scientific, clinical or quantitative subjects are also advisable.
■ Aging Studies
■ Biology
■ Business
■ Coaching
■ Education
■ Fitness Training
■ Health Informatics and Information Management
■ Health Sciences
■ Health Services Administration
■ Public Administration

Advising Notes
■ None

Transfer Notes
■ None

Acceptable Substitutes for Transfer Courses
■ Human Anatomy and Physiology I & II (BSC X093 and X094 or BSC X085 and X086)
■ Biology I with Lab (BSC 1010 and BSC 1010L)
■ Students that transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

Plan of Study

Freshman Year - Fall 15 hrs
CHM 2045C Chemistry Fundamentals I 4 hrs
ENC 1101 Composition I 3 hrs
HSC 2000 Introduction to the Allied Health Professions 2 hrs
MAC 1105 College Algebra 3 hrs
PSY 2012 General Psychology 3 hrs

Freshman Year - Spring 13 hrs
BSC 2010C Biology I 4 hrs
ENC 1102 Composition II 3 hrs
MAC 1114 College Trigonometry 3 hrs
POS 2041 American National Government 3 hrs

Sophomore Year - Fall 14 hrs
PHY 2053C College Physics I 4 hrs
STA 2023 Statistical Methods I 3 hrs
ZOO 3733C Human Anatomy 4 hrs

Select 1: 3 hrs
AMH 2010 U.S. History: 1492-1877 or 3 hrs
EUH 2000 Western Civilization I or 3 hrs
HUM 2210 Humanistic Tradition I or 3 hrs
WOH 2012 World Civilization I 3 hrs

Sophomore Year - Spring 16 hrs
HUN 2002 Modern Concepts in Nutrition 3 hrs
PCB 3703C Human Physiology 4 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs

Select 1: 3 hrs
MUL 2010 Enjoyment of Music or 3 hrs
PHI 2310 Introduction to Philosophy or 3 hrs
REL 2300 World Religions or 3 hrs
THE 2000 Theatre Survey 3 hrs

Select 1: 3 hrs
AMH 2020 U.S. History: 1877-Present or 3 hrs
EUH 2001 Western Civilization II or 3 hrs
HUM 2230 Humanistic Tradition II or 3 hrs
WOH 2022 World Civilization II 3 hrs

Sophomore Year - Summer 10 hrs
Foreign Language 4 hrs
PET 3620 Principles of Athletic Training 3 hrs
PET 4603C Introduction to Athletic Training 3 hrs

If not satisfied in high school

Junior Year - Fall 12 hrs
Free Elective 3 hrs
HSC 3147 Introduction to Pharmacology 3 hrs
PET 3623C Recognition and Evaluation of Athletic Injuries I 3 hrs
PET 3633C Clinical Skills for Athletic Trainers I 2 hrs
PET 3670L Practicum in Athletic Training I 4 hrs

If not needed to meet 120 hrs of university exit requirements.

Junior Year - Spring 12 hrs
Free Elective 3 hrs
PET 3649C Clinical Skills for Athletic Training II 2 hrs
PET 3671L Practicum in Athletic Training II 4 hrs
PET 4315C Biomechanics of Sport 3 hrs
PET 4624C Recognition and Evaluation of Athletic Injuries II 3 hrs

If not needed to meet 120 hrs of university exit requirements.

Junior Year - Summer 8 hrs
PET 4630C Therapeutic Exercise in Athletic Training 4 hrs
PET 4632C Therapeutic Modalities in Athletic Training 4 hrs

1 As needed to meet 120 hrs of university exit requirements.
Biology (B.S.)
College of Sciences
Department of Biology, BL, Room: 301
http://www.cos.ucf.edu/biology
E-mail: biology@ucf.edu

Mr. Frank Logiudice
Phone: 407-823-2141

Admission Requirements

None

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- No credit by exam (TSD, Military credit) may be used for the major.
- Co-op or internship credit cannot be used in this major
- Departmental Residency Requirement consists of at least 22 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Biology Department.

- Students seeking a double major must satisfy the requirements for both majors and must take no fewer than 40 semester hours of upper division restricted elective course work appropriate to the combined areas of specialization in the two majors.
- Courses designated in 2 (Common Program Prerequisites) and 3 (Core Requirements) are usually completed in the first 60 hours.
- No more than 4 hours of Independent Study, Directed Research, or the following similar types of credit, may be applied toward major requirements:
  - BSC 4422L Biology Laboratory Techniques 1 hr
  - BSC 4937 Instructional Experiences in Undergraduate Biology 2 hrs
- Upon reaching junior standing, Biology majors are expected to have completed the following courses and associate chemistry laboratories. These classes are prerequisites for advanced science classes and students entering the major without these classes will be unable to register for most of the advanced courses.
  - BSC 2010C Biology I 4 hrs
  - BSC 2011C Biology II 4 hrs
  - CHM 2045C Chemistry Fundamentals I 4 hrs
  - CHM 2046 Chemistry Fundamentals II 3 hrs
  - CHM 2046L Chemistry Fundamentals Laboratory 1 hr
  - CHM 2211 Organic Chemistry I 3 hrs
  - CHM 2211 Organic Chemistry II 3 hrs
  - CHM 2211L Organic Laboratory Techniques I 2 hrs
  - PHY 2053C College Physics I 4 hrs
  - PHY 2054C College Physics II 4 hrs

1. UCF General Education Program (GEP) (38 hrs)

- Note: Certain courses must be selected in the GEP for this major, bringing the total GEP hours to more than 36.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Preferred SPC 1603 Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

Mathematics:
- Note: Prior to enrolling in Math, take Math Placement Test http://mathplacement.sdes.ucf.edu/

Statistics:
- Required STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (8 hrs)

Select the sequence identified by the Chemistry Placement exam:

- Note: Prior to enrolling in Chemistry, take Chemistry Placement Test http://chemplacement.sdes.ucf.edu/

Required CHM 2045C Chemistry Fundamentals I 4 hrs

or - Students with little chemistry background should take this year long equivalent instead.
  - Required CHM 2040C Chemistry Fundamentals IA and MAC 2311 Applied Calculus I or MAC 2311L Calculus with Analytic Geometry I 4 hrs
  - Required CHM 2041C Chemistry Fundamentals IB 3 hrs

2. Common Program Prerequisites (CPP) (16 hrs)

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- See Transfer Notes for possible substitutes for the following courses.

BSC 2010C Biology I GEP
BSC 2011C Biology II 4 hrs
CHM 2045C Chemistry Fundamentals I GEP
CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory 1 hr
STA 2023 Statistical Methods I GEP

Math requirement: Select one course

MAC 2233 Concepts of Calculus or
MAC 2253 Applied Calculus I or
MAC 2311 Calculus with Analytic Geometry I GEP

NOTE: These courses are considered to be equivalents:

CHM 2045C Chemistry Fundamentals I GEP

or - Students with little chemistry background should take this year long equivalent instead.
  - CHM 2040C Chemistry Fundamentals IA and
  - CHM 2041C Chemistry Fundamentals IB GEP

Complete one entire physics sequence:

PHY 2046C Physics for Engineers & Scientists I and
PHY 2049C Physics for Engineers and Scientists II 4 hrs

or

PHY 2053C College Physics I and
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  3 hrs

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 Physiology or  5 hrs
- BOT 4503  Plant Physiology or  3 hrs
- BSC 4101  History of Biology or  3 hrs
- BSC 4454  Molecular Cell Biology Laboratory or  2 hrs
- PCB 3063L  Genetics Laboratory or  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 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
- ZOO 3733C  Human Anatomy or  4 hrs
- ZOO 4603C  Embryology/Development or  5 hrs
- ZOO 4753C  Vertebrate Histology  4 hrs

Environmental  3 hrs

Complete a minimum of one lecture course from this group.
- 1 BOT 3018C  Culinary Botany Across the Cultures or  3 hrs
- 1 BOT 3152C  Local Flora or  3 hrs
- 1 BOT 3802  Ethnobotany or  3 hrs
- 1 BOT 4156C  Florida Wildflowers or  4 hrs
- 1 BOT 4686C  Conservation and Management of Native Plants or  4 hrs
- 2 BSC 4312C  Marine Biology or  3 hrs
- 2 BSC 4330  Invasion Biology or  3 hrs
- 2 BSC 5258L  Tropical Biology Research and Conservation or  3 hrs
- 2 BSC 5824  Biogeography or  4 hrs
- 1 PAZ 4223  Zoo and Aquarium Management or  3 hrs
- 1 PCB 3044L  Principles of Ecology Laboratory or  1 hr
- 2 PCB 3304C  River Ecology or  4 hrs
- 2 PCB 3355C  Tropical Marine Biology or  2 hrs
- 2 PCB 3442  Florida Aquatic Ecology or  3 hrs
- 2 PCB 5326C  Ecosystems of Florida or  5 hrs
- 2 PCB 5435C  Marine Ecology of Florida or  4 hrs
- 2 PCB 5485  Models in Ecology or  3 hrs
- 2 ZOO 4513  Animal Behavior  3 hrs

1 Fulfills Botany requirement. Offered in Biology department.
2 Fulfills Biology requirement.
3 Fulfills Zoology requirement. Offered in Biology department.

Systematic  3 hrs

Complete a minimum of one lecture course from this group.
- BOT 4434C  General Mycology or  4 hrs
- 1 BOT 4713C  Plant Taxonomy or  5 hrs
- 1 BOT 5485C  Terrestrial Cryptogams or  3 hrs
- 1 ENY 4004C  General Entomology or  4 hrs
- 1 ENY 5006C  Entomology or  4 hrs
- MCB 3020C  General Microbiology or  5 hrs
- 2 ZOO 4205C  Biology and Ecology of Metazoan Invertebrates or  4 hrs
- 2 ZOO 4310C  Vertebrate Evolution & Ecology or  4 hrs
- 2 ZOO 4480  Mammalogy  4 hrs
- 2 ZOO 5456C  Ichthyology or  4 hrs
- 2 ZOO 5463C  Herpetology or  4 hrs
- 2 ZOO 5475L  Field Ornithology  3 hrs

1 Fulfills Botany requirement. Offered in Biology department.
2 Fulfills Zoology requirement. Offered in Biology department.

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- Select primarily from upper level courses after consulting with your departmental advisor. May be outside of the department.

9. Additional Requirements
- None

10. Required Minors
- None
11. Departmental Exit Requirements

- A minimum GPA of 2.0 in all UCF courses taken in the Common Program Prerequisites, the Biology Core and the Upper Division Restricted Electives.
- To demonstrate Computer Competency students are expected to 1) check and maintain their campus electronic mail account and 2) be capable of locating, viewing, and retrieving class and research information on the World Wide Web.
- Students will be required to take a comprehensive exam in biology during their last semester. The exam will be given in the Fall and Spring semesters. Students who plan to graduate in the Summer must take the exam in the Spring.
- Biology majors are discouraged from taking courses as a transient student at a community college, except in situations where one semester of a two semester sequence has already been taken at the community college.
- Before applying to graduate, the CLAS must be completely satisfied.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

- 120

Honors In Major

- None

Related Programs

- Environmental Engineering
- Molecular Biology and Microbiology
- Science Education - Biology

Certificates

- None

Related Minors

- Biology
- Environmental Studies
- Molecular Biology and Microbiology

Advising Notes

- Students are urged to contact their departmental advisor before registering for courses.
- It is the student’s responsibility to ensure they have satisfied course prerequisites before registering for a class.

Transfer Notes

- Lower Division courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit by the undergraduate program coordinator. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- The following substitutions are acceptable for common program prerequisites if taken as part of the AA course work:
  - BSC 2010C: May substitute the Honors version BSC X040C. Although the CPP is satisfied by PCB X011C, it will not satisfy prerequisites for subsequent Biology courses.
  - BSC 2011C: May substitute the Honors version BSC X041C or both ZOO X010 and BOT X010 with labs.
  - CHM 2045C: may use CHM X040 plus CHM X041.
  - Physics: although the CPP is satisfied by Organic Chemistry, both subjects are required by the degree program and both must be taken.
- Statistics: although a number of math and statistics course will satisfy the CPP, this statistics course is required in the program.

Plan of Study

- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Prior to enrolling in Chemistry, take Chemistry Placement Test ~ http://chemplacement.sdes.ucf.edu/
- Prior to enrolling in Math, take Math Placement Test ~ http://mathplacement.sdes.ucf.edu/

Freshman Year - Fall

- BSC 2010C  Biology I  4 hrs
- CHM 2045C  Chemistry Fundamentals I  4 hrs
- ENC 1101  Composition I  3 hrs
- Math Course  4 hrs

Freshman Year - Spring

- Free Elective  3 hrs
- BSC 2011C  Biology II  4 hrs
- CHM 2046  Chemistry Fundamentals II  3 hrs
- CHM 2046L  Chemistry Fundamentals Laboratory  1 hr
- ENC 1102  Composition II  3 hrs

Sophomore Year - Fall

- CHM 2210  Organic Chemistry I  3 hrs
- MAC 2311  Calculus with Analytic Geometry I  4 hrs
- PCB 3044  Principles of Ecology  3 hrs
- STA 2023  Statistical Methods I  3 hrs

Sophomore Year - Spring

- Free Elective  3 hrs
- GEP  Restricted Elective  5 hrs
- Free Elective  2 hrs
- CHM 2211  Organic Chemistry II  3 hrs
- PCB 3063  Genetics  3 hrs

Junior Year - Fall

- Restricted Elective  5 hrs
- Free Elective  3 hrs
- PCB 3923  Molecular Cell Biology  3 hrs
- PHY 2053C  College Physics I  4 hrs

Junior Year - Spring

- Restricted Elective  4 hrs
- Restricted Elective  4 hrs
- Free Elective  3 hrs
- PHY 2054C  College Physics II  4 hrs

Senior Year - Fall

- GEP  3 hrs
- GEP  3 hrs
- GEP  3 hrs
- Free Elective  3 hrs
- PCB 4683  Evolutionary Biology  4 hrs

Senior Year - Spring

- GEP  3 hrs
- Restricted Elective  4 hrs
- Free Elective  4 hrs
- GEP  3 hrs

1 CHM 2211L  Organic Laboratory Techniques I  2 hrs

1 May be taken in an earlier term if space permits.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: $19 per term
- Full-Time Student: $38 per term
The Biology major offers excellent preparation for professional school. The curriculum is broadly based and provides a well-rounded education that is appealing to admission committees and valuable for careers in medicine, dentistry, optometry, pharmacy and veterinary medicine.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- No credit by exam (TSD, Military credit) may be used for the major.
- Co-op or internship credit cannot be used in this major.
- Departmental Residency Requirement consists of at least 22 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Biology Department.
- Students seeking a double major must satisfy the requirements for both majors and must take no fewer than 40 semester hours of upper division restricted elective course work appropriate to the combined areas of specialization in the two majors.
- Courses designated in 2 (Common Program Prerequisites) and 3 (Core Requirements) are usually completed in the first 60 hours.
- No more than 4 hours of Independent Study, Directed Research, or the following similar types of credit, may be applied toward major requirements:
  - BSC 4422L Biology Laboratory Techniques 1 hr
  - BSC 4937 Instructional Experiences in Undergraduate Biology 2 hrs
- Upon reaching junior standing, Biology majors are expected to have completed the following courses. These classes are prerequisites for advanced science classes and students entering without these classes will be unable to register for most of the advanced courses.
  - BSC 2010C Biology I 4 hrs
  - BSC 2011C Biology II 4 hrs
  - CHM 2045C Chemistry Fundamentals I 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) (39 hrs)
- Note: Certain courses must be selected in the GEP for this major, bringing the total GEP hours to more than 36.

   A: Communication Foundations (9 hrs)
   - Required ENC 1101 Composition I 3 hrs
   - Required ENC 1102 Composition II 3 hrs
   - Prefer SPC 1603 Fundamentals of Technical Presentations 3 hrs

   B: Cultural & Historical Foundations (9 hrs)

   C: Mathematical Foundations (7 hrs)

   Mathematics: 4 hrs
- Note: Prior to enrolling in Math, take Math Placement Test http://mathplacement.sdes.ucf.edu/
  - Required MAC 2311 Calculus with Analytic Geometry I 4 hrs

Statistics: 3 hrs
- Required STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (8 hrs)
- Required BSC 2010C Biology I 4 hrs

Select the sequence identified by the Chemistry Placement exam;
- Note: Prior to enrolling in Chemistry, take Chemistry Placement Test http://chemplacement.sdes.ucf.edu/

Required CHM 2045C Chemistry Fundamentals I 4 hrs
or - Students with little chemistry background should take this year long equivalent instead.
- Required CHM 2040C Chemistry Fundamentals IA and 3 hrs
- Required CHM 2041C Chemistry Fundamentals IB 3 hrs

2. Common Program Prerequisites (CPP) (16 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- See Transfer Notes for possible substitutes for the courses listed below.

   BSC 2010C Biology I GEP
   BSC 2011C Biology II 4 hrs
   CHM 2045C Chemistry Fundamentals I GEP
   CHM 2046 Chemistry Fundamentals II 3 hrs
   CHM 2046L Chemistry Fundamentals Laboratory 1 hr
   MAC 2311 Calculus with Analytic Geometry I GEP
   STA 2023 Statistical Methods I GEP

Complete one entire physics sequence:
- PHY 2053C College Physics I and 4 hrs
- PHY 2054C College Physics II 4 hrs
or
- PHY 2048C Physics for Engineers & Scientists I 4 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs

NOTE: These courses are considered to be equivalents:

CHM 2045C Chemistry Fundamentals I GEP

or - Students with little chemistry background should take this year long equivalent instead.
- CHM 2040C Chemistry Fundamentals IA and GEP
- CHM 2041C 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 4693 Evolutionary Biology 4 hrs

5. Restricted Electives (22 hrs)
- The following is a suggested subset of the Biology Restricted Electives which may be most appropriate for many professional schools.
  - Student must complete at least one course dealing exclusively with zoology and one course dealing exclusively with botany.
  - At least three credit hours from each group must be completed.
  - At least 10 hours of the Upper Division Restricted electives must be taken within the UCF Biology Department.
  - Transferred courses must be at a 3000 level or higher, and be evaluated by the undergraduate program coordinator, in order to count as an Upper Division Restricted Elective.
  - Consult a departmental advisor and be cognizant of the professional school’s requirements. For complete listing, see Biology B.S. degree program.
Form/Function

Complete a minimum of one lecture course from this group.

- BCH 4053: Biochemistry I or
- BCH 4054: Biochemistry II or
- 1 BSC 4454: Research in Animal Physiology or
- 2 PCB 3024L: Molecular Cell Biology Laboratory or
- 2 PCB 3063L: Genetics Laboratory or
- PCB 3233: Immunology or
- 2 PCB 4514: Genetics II or
- 1 PCB 4723: Animal Physiology or
- 2 PCB 5665C: Human Genetics or
- 1 ZOO 3713C: Comparative Vertebrate Anatomy or
- 1 ZOO 4603C: Embryology/Development or
- ZOO 4753C: Vertebrate Histology

1 Fulfills Zoology requirement. Offered in Biology department.
2 Offered in Biology department.

Environmental

Complete a minimum of one lecture course from this group.

- 1 BOT 3602: Ethnobotany

1 Fulfills Botany requirement. Offered in Biology department.

Systematic

Complete a minimum of one lecture course from this group.

- MCB 3020C: General Microbiology or
- 1 ZOO 4205C: Biology and Ecology of Metazoa or
- 1 ZOO 4310C: Invertebrates or
- 1 ZOO 4310C: Vertebrate Evolution & Ecology

1 Fulfills Zoology requirement. Offered in Biology department.

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

- Spanish is highly recommended.

8. Electives

- Select primarily from upper level courses after consulting with your departmental advisor. May be outside of the department.

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- A minimum GPA of 2.0 in all UCF courses taken in the Common Program Prerequisites, the Biology Core and the Upper Division Restricted Electives.
- To demonstrate Computer Competency students are expected to 1) check and maintain their campus electronic mail account and 2) be capable of locating, viewing, and retrieving class and research information on the World Wide Web.
- Students will be required to take a comprehensive exam in biology during their last semester. The exam will be given in the Fall and Spring semesters. Students who plan to graduate in the Summer must take the exam in the Spring.

- Biology majors are discouraged from taking courses as a transient student at a community college, except in situations where one semester of a two semester sequence has already been taken at the community college.
- Before applying to graduate, the CLAS must be completely satisfied.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

- 120

Honors In Major

- None

Related Programs

- Biology
- Chemistry
- Molecular Biology and Microbiology

Certificates

- None

Related Minors

- Biology
- Molecular Biology and Microbiology

Advising Notes

- Students are urged to contact their departmental advisor before registering for courses.
- It is the student’s responsibility to ensure they have satisfied course prerequisites before registering for a class.
- Students are strongly encouraged to work with the Office of Pre-Professional Advising (Ferrell Commons, Bldg 7G, Room 215C; 407-823-3033).
- An analysis of the success and failure of students on recent MCAT examinations has led the department to suggest that a student should have completed all of the Biology core courses (sections 3 and 4) and the following courses prior to taking the MCAT exam:
  - MCB 3020C: General Microbiology
  - PCB 4524: Molecular Biology II

Transfer Notes

- Lower Division courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated by the undergraduate program coordinator for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- The following substitutions are acceptable for common program prerequisites if taken as part of the AA course work:
  - BSC 2010C: May substitute the Honors version BSC X040C. Although the CPP is satisfied by PCB X011C, it will not satisfy prerequisites for subsequent Biology courses.
  - BSC 2011C: May substitute the Honors version BSC X041C or both ZOO X010C and BOT X010C.
  - CHM 2045C: may use CHM X040 plus CHM X041.
- Physics: although the CPP is satisfied by Organic Chemistry, both subjects are required by the degree program and both must be taken.
- Statistics: although a number of math and statistics course will satisfy the CPP, this statistics course is required in the program.
Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $19 per term
- Full-Time Student: $38 per term

Biotechnology (B.S.)
College of Medicine
Burnett School of Biomedical Sciences
Department of Molecular and Microbiology, Health and Public Affairs II, Room: 335
http://www.biomed.ucf.edu
E-mail: bcbsinfo@mail.ucf.edu
Dr. P.E Kolattukudy, Chair
Dr. Henry Daniell, Program Director, daniell@mail.ucf.edu
Phone: 407-823-5932

The Biotechnology B.S. produces highly trained workers that will meet the workforce needs of the biotechnology industry. Students seeking admission to professional schools (medical, dental, optometry, veterinary, podiatry, and pharmacy) will meet most of the admission requirements for those programs while obtaining a Biotechnology B.S. degree.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog
- Students should complete the General Education Program before transferring within the Florida Public University/Community College System
- Students should consult with a Departmental advisor
- Courses designated in section 1 below may be taken at a Florida Community College, and should usually be completed in the first 60 hours
- Grades below "C-" (1.75) in life science courses will not be accepted

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

A: Communication Foundations
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1603 Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations
- Required STA 2023 Statistical Methods I 3 hrs
- Select 1: 4 hrs
  - Required MAC 2233 Applied Calculus I or
  - Required MAC 2311 Calculus with Analytic Geometry I 4 hrs

D: Social Foundations (6 hrs)

E: Science Foundations
- Required BSC 2010C Biology I 4 hrs
- Required CHM 2045C Chemistry Fundamentals I 4 hrs

2. Common Program Prerequisites (CPP) (21 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

Senior Year - Fall
- Restricted Elective 4 hrs
- GE 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Free Elective 2 hrs

Senior Year - Spring
- Restricted Elective 4 hrs
- Restricted Elective 3 hrs
- Free Elective 2 hrs
- Free Elective 3 hrs
1 CHM 2211L Organic Laboratory Techniques I 2 hrs

1 See Transfer Notes for possible substitutions.

3. Core Requirements: Basic Level (0 hrs)
- None
4. Core Requirements: Advanced Level (52 hrs)

Life Sciences
BSC 3403C Quantitative Biological Methods 4 hrs
MCB 3020C General Microbiology 5 hrs
MCB 4312 Molecular Biotechnology 3 hrs
MCB 4414 Microbial Metabolism 3 hrs
MCB 4720 Industrial Perspectives Seminar 3 hrs
MCB 4721C Methods in Biotechnology 4 hrs
PCB 3233L Immunology Laboratory 1 hr
PCB 3522 Molecular Biology I 3 hrs
PCB 4174 Foundation of Bio-Imaging Science 3 hrs
PCB 4239 Molecular Immunology 3 hrs
PCB 4524 Molecular Biology II 3 hrs
PCB 4529 Experimental Molecular Biology 3 hrs

Chemistry
BCH 4053 Biochemistry I 3 hrs
CHM 2244L Organic Laboratory Techniques II 2 hrs

Physics
Select one of the following sequences of courses:
PHY 2053C College Physics I and
PHY 2054C College Physics II 4 hrs
or
PHY 2048C Physics for Engineers & Scientists I and
PHY 2049C Physics for Engineers and Scientists II 4 hrs

Math
Select 1: 3 hrs
MAC 2253 Applied Calculus I or
MAC 2311 Calculus with Analytic Geometry I

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 3203L Pathogenic Microbiology 1 hr
MCB 3404 Bacterial Genetics and Physiology 3 hrs
MCB 4203 Infectious Processes 3 hrs
MCB 4204 Cellular Microbiology: Host-Pathogen Interactions 3 hrs
MCB 4503C Virology 3 hrs
MCB 4603 Environmental Microbiology 3 hrs
MCB 4912 Directed Independent Research 3 hrs
MCB 4970H Honors Undergraduate Thesis II 3 hrs
MCB 5225 Molecular Biology of Disease 3 hrs
MCB 5505 Molecular Virology 3 hrs
MCB 5654 Applied Microbiology 3 hrs
MCB 5932 Current Topics in Molecular Biology 3 hrs
PCB 3063 Genetics 3 hrs
PCB 3703C Human Physiology 4 hrs
PCB 4251 Tissue Engineering 3 hrs
PCB 4805 Endocrinology 3 hrs
PCB 5236 Cancer Biology 3 hrs
PCB 5238 Immunobiology 3 hrs
PCB 5275 Signal Transduction Mechanics 3 hrs

6. Capstone Requirements
- 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 coursework must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors in Major
- Application and admission through the department and the Burnett Honors College
- Fulfill University requirements for Honors in the Major and maintain a 3.2 UCF GPA; 3.5 in the major; 3.2 cumulative average for graded upper division courses regardless of the institution
- Complete the following with a grade of B or better:
  - BSC 3403H Quantitative Biological Methods-Honors 4 hrs
- Complete the following with a grade of B or better and successfully complete the oral defense of the Honors Thesis
  - MCB 4970H Honors Undergraduate Thesis II 3 hrs

Related Programs
- Biology
- Chemistry
- Medical Laboratory Sciences
- Molecular Biology and Microbiology

Certificates
- None

Related Minors
- Biology
- Chemistry
- Molecular Biology and Microbiology

Advising Notes
- None

Transfer Notes
- Students who begin a two semester sequence course (e.g. General Chemistry) at a community college are strongly encouraged to complete the sequence before transferring. If it will not be possible to complete the sequence at the community college, the student should postpone beginning the course until enrolling at UCF. Students may elect to take Human Anatomy (ZOO 3733C) and Human Physiology (PCB 3703C) at UCF in order to meet the University requirement that students complete 48 semester hours of upper division (3000/4000 level) credit. Students meeting the Human Anatomy and Physiology I...
Acceptable Substitutes for Transfer Courses

- Substitutes for Common Program Prerequisites
- MAC X311 or MAC X233 or MAC X353 or MAC X281
- PHY X253C & PHY X054C or PHY X048/X048L & PHY X049/X049L
- STA X023 or STA X122 or STAX014 or STA X024 or STA X321

Acceptable Substitutes

- BSC 2011C Biology II 4 hrs may be substituted with: BSC 3403C
- CHM 2045C Chemistry Fundamentals I 4 hrs may be substituted with: CHM 2040
- CHM 2045C Chemistry Fundamentals I 4 hrs may be substituted with: CHM 2041
- CHM 2045C may be substituted with CHM 2040 and CHM 2041 4 hrs

Plan of Study

Freshman Year - Fall 13 hrs
CHM 2045C Chemistry Fundamentals I 4 hrs
ENC 1101 Composition I 3 hrs
Select 1: 3 hrs
ANT 2000 General Anthropology or 3 hrs
PSY 2012 General Psychology or 3 hrs
SYG 2000 Introduction to Sociology 3 hrs

Freshman Year - Spring 14 hrs
BSC 2010C Biology I 4 hrs
CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory 1 hr
ENC 1102 Composition II 3 hrs
SPC 1603 Fundamentals of Technical Presentations 3 hrs

Sophomore Year - Fall 15 hrs
CHM 2210 Organic Chemistry I 3 hrs
MCB 3020C General Microbiology 5 hrs
Select 1: 4 hrs
MAC 2253 Applied Calculus I or 3 hrs
MAC 2311 Calculus with Analytic Geometry I 4 hrs

Select 1: 3 hrs
AMH 2010 U.S. History: 1492-1877 or 3 hrs
EUH 2000 Western Civilization I or 3 hrs
HUM 2210 Humanistic Tradition I or 3 hrs
WOH 2012 World Civilization I 3 hrs

Sophomore Year - Spring 15 hrs
BSC 3403C Quantitative Biological Methods 4 hrs
CHM 2211 Organic Chemistry II 3 hrs
CHM 2211L Organic Laboratory Techniques I 2 hrs
Select 1: 3 hrs
CGS 1060C Introduction to Computer Science or 3 hrs
STA 2023 Statistical Methods I 3 hrs

Select 1: 3 hrs
AMH 2020 U.S. History: 1877-Present or 3 hrs
EUH 2001 Western Civilization II or 3 hrs
HUM 2230 Humanistic Tradition II or 3 hrs
WOH 2022 World Civilization II 3 hrs

Junior Year - Fall 13 hrs
MCB 4720 Industrial Perspectives Seminar 3 hrs
PCB 3522 Molecular Biology I 3 hrs
Select 1: 3 hrs
ECO 2013 Principles of Macroeconomics or 3 hrs
POS 2041 American National Government 3 hrs
Select 1: 4 hrs
1 PHY 2048C Physics for Engineers & Scientists I or 4 hrs
PHY 2053C College Physics I 4 hrs

Junior Year - Spring 15 hrs
BSC 2011C Biology II 4 hrs
PCB 3233L Immunology Laboratory 1 hr
PCB 4239 Molecular Immunology 3 hrs
PCB 4524 Molecular Biology II 3 hrs
Select 1: 4 hrs
1 PHY 2049C Physics for Engineers and Scientists II or 4 hrs
PHY 2054C College Physics 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 14 hrs
BCH 4053 Biochemistry I 3 hrs
MCB 4312 Molecular Biotechnology 3 hrs
MCB 4721C Methods in Biotechnology 4 hrs
Restricted Elective 3 hrs

Senior Year - Spring 13 hrs
MCB 4414 Microbial Metabolism 3 hrs
PCB 4174 Foundation of Bio-Imaging Science 3 hrs
PCB 4529 Experimental Molecular Biology 3 hrs
Restricted Elective 3 hrs

For students who transfer in their junior year from the community college (cc), the revised sequence of courses is provided [it is assumed that GEP and physics will be completed at cc]:

Junior Year - Fall
- Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites.
- Restricted Elective 3 hrs
- Free Elective 3 hrs
- MCB 3020C General Microbiology 5 hrs
- MCB 4720 Industrial Perspectives Seminar 3 hrs

Junior Year - Spring
- Restricted Elective 3 hrs
- BCH 4053 Biochemistry I 3 hrs
- BSC 3403C Quantitative Biological Methods 4 hrs
- PCB 3522 Molecular Biology I 3 hrs

Senior Year - Fall
- MCB 4312 Molecular Biotechnology 3 hrs
- MCB 4414 Microbial Metabolism 3 hrs
- MCB 4721C Methods in Biotechnology 4 hrs
- Elective 3000 level 3 hrs

Senior Year - Spring
- PCB 3233L Immunology Laboratory 1 hr
- PCB 4174 Foundation of Bio-Imaging Science 3 hrs
- PCB 4239 Molecular Immunology 3 hrs
- PCB 4524 Molecular Biology II 3 hrs
- PCB 4529 Experimental Molecular Biology 3 hrs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: $39 per term
- Full-Time Student: $78 per term

Business

See General Business
The Bachelor of Arts in Business Administration (B.A.B.A.) within the College of Business Administration is a degree that will allow students to tailor their degree program to meet the needs of their chosen profession, through the use of an existing minor and a foreign language. The B.A.B.A. degree is significantly different than the traditional business degree at UCF such as Marketing, Finance, Accounting, etc. The B.A.B.A. degree permits course enrollment across various disciplines, in correspondence with the academic and life goals of each student. As such, B.A.B.A. is an individualized program of study consisting of the common program prerequisites, an approved academic minor, one year of foreign language, and the business core. Students can choose any minor outside the College of Business. The B.A.B.A. degree enables UCF’s undergraduate students to graduate from the University with a specialized degree, having a business emphasis, uniquely designed by the student and his or her advisor.

Not eligible for a double degree or double major with another CBA major.

Admission Requirements
- 2.0 GPA and completion of the UCF General Education program, Gordon Rule, and CLAS or an AA degree from a Florida Public Community College

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Only grades of "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each Common Program Prerequisites class.
- Students wanting a Bachelor of Arts in Business Administration must apply for admission to the major.
- Any student receiving a B.A.B.A. degree must complete one-half (18) of the 36 upper level business courses for their degree program in the College of Business Administration.
- Students must earn at least a 2.0 GPA in the College of Business Administration.
- Students seeking a B.A.B.A. major must earn a grade of "C" (2.0) or better in each course applied toward the major.

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

<table>
<thead>
<tr>
<th>A: Communication Foundations</th>
<th>(9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prefer: SPC 1508 Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>B: Cultural &amp; Historical Foundations</td>
<td>(9 hrs)</td>
</tr>
<tr>
<td>C: Mathematical Foundations</td>
<td>(6 hrs)</td>
</tr>
<tr>
<td>Required: MAC 1140 Pre-Calculus Algebra</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Required: STA 2023 Statistical Methods I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>D: Social Foundations</td>
<td>(6 hrs)</td>
</tr>
</tbody>
</table>

| Select 1: Suggested | ECO 2013 Principles of Macroeconomics or 3 hrs |
| Select 1: Suggested | ECO 2023 Principles of Microeconomics 3 hrs |
| Select 1: Suggested | ANT 2000 General Anthropology or 3 hrs |
| Select 1: Suggested | PSY 2012 General Psychology or 3 hrs |
| Select 1: Suggested | SYG 2000 Introduction to Sociology 3 hrs |

2. Common Program Prerequisites (CPP) (18 hrs)
- Must be completed with a "C" (2.0) or better.
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

| 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.

| 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 (0 hrs)
- None

4. Core Requirements: Advanced Level (32 hrs)

First of subsequent semester in the College of Business Administration:

| BUL 3130 Legal and Ethical Environment of Business | 4 hrs |
| ECO 3411 Quantitative Business Tools II | 4 hrs |
| FIN 3403C Business Finance | 4 hrs |
| GEB 3031 Cornerstone: Professional Skills for Business | 3 hrs |
| GEB 3031L Cornerstone Lab: Professional Skills for Business | 1 hr |
| GEB 3375 Introduction to International Business | 4 hrs |
| ISM 3011C Essentials of Management Information Systems | 4 hrs |
| MAN 3025 Management of Organizations | 4 hrs |
| MAN 3026 Marketing | 4 hrs |

1. Required in the 1st or 2nd semester

5. Restricted Electives (0 hrs)
- None

6. Capstone Requirements (4 hrs)
- This course should be taken in the graduating term and requires the following prerequisites:

| FIN 3403C Business Finance | 4 hrs |
| GEB 3031 Cornerstone: Professional Skills for Business | 3 hrs |
| MAN 3025 Management of Organizations | 4 hrs |
| MAR 3023 Marketing | 4 hrs |

7. Foreign Language Requirements

Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- Existing non-business minor offered at Regional Campuses

11. Departmental Exit Requirements
- None
UCF Degree Programs

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, 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, 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 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

Acceptable Substitutes for Transfer Courses
- ACG 2021 Principles of Financial Accounting may be substituted with ACG 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

Equipment Fees
- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

Chemistry (B.S.)
College of Sciences
Department of Chemistry, Chemistry, Room: 117
http://chemistry.cos.ucf.edu/
E-mail: chemstaf@mail.ucf.edu
Dr. Pedro Patino
Phone: 407-823-2246

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in the major
- Students should consult with a departmental advisor
- Departmental Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Chemistry
- Chemistry majors are discouraged from taking courses as a transient student at a community college, except in situations where one semester of a two semester sequence has already been taken at the community college
- Individual course prerequisites for enrollment in courses selected to complete areas 4 (Core Requirements-Advanced Level) and 5 (Restricted Electives) will be enforced without exception.
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours,
- AA transfer students are expected to have completed the following courses before enrolling as a Chemistry major. These classes are prerequisites for advanced science classes and students entering without these classes will be unable to register for most of the advanced courses.
- CHM 2045C Chemistry Fundamentals I 4 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2048L Organic Chemistry Laboratory 1 hr
- CHM 2210 Organic Chemistry I 3 hrs
- CHM 2211 Organic Chemistry II 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- PHY 2048C Physics for Engineers & Scientists I 4 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs

1. UCF General Education Program (GEP) (39 hrs)
- Note: Certain courses must be selected in the GEP for this major, which brings the GEP hours above 36

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Preferred SPC 1603 Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (7 hrs)
- Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
- Preferred STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)
### E: Science Foundations (8 hrs)
- Required: BSC 2010C Biology I 4 hrs
- Required: PHY 2048C Physics for Engineers & Scientists I 4 hrs

### 2. Common Program Prerequisites (CPP) (24 hrs)
#### Prior to enrolling in Chemistry, you must take the Chemistry Placement Test – http://chemplacement.sdes.ucf.edu

<table>
<thead>
<tr>
<th>Course</th>
<th>Required Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2045C Chemistry Fundamentals I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 2046 Chemistry Fundamentals II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2046L Chemistry Fundamentals Laboratory</td>
<td>1 hr</td>
</tr>
<tr>
<td>CHM 2210 Organic Chemistry I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2211 Organic Chemistry II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2211L Organic Laboratory Techniques I</td>
<td>2 hrs</td>
</tr>
<tr>
<td>MAC 2311 Calculus with Analytic Geometry I</td>
<td>GEP</td>
</tr>
<tr>
<td>MAC 2312 Calculus with Analytic Geometry II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PHY 2048C Physics for Engineers &amp; Scientists I</td>
<td>GEP</td>
</tr>
<tr>
<td>PHY 2049C Physics for Engineers and Scientists II</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

**NOTE:** These courses are considered to be equivalents:

- CHM 2045C Chemistry Fundamentals I 4 hrs
- or - Students with little chemistry background should take this year long equivalent instead.
  - CHM 2040C Chemistry Fundamentals IA and GEP 3 hrs
  - CHM 2041C 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 3 hrs
- or
- STA 2020 Statistical Methods I 3 hrs

### 4. Core Requirements: Advanced Level (34 hrs)
- BCH 4053 Biochemistry I 3 hrs
- CHM 3120 Analytical Chemistry 3 hrs
- CHM 3120L Analytical Chemistry Laboratory 1 hr
- CHM 3212L Organic Laboratory Techniques II 2 hrs
- CHM 3410 Physical Chemistry I 4 hrs
- CHM 3411 Physical Chemistry II 3 hrs
- CHM 3411L Physical Chemistry Laboratory 2 hrs
- CHM 4130 Advanced Analytical Laboratory Technique 3 hrs
- CHM 4130L Advanced Analytical Chemistry Laboratory 2 hrs
- CHM 4610 Inorganic Chemistry 3 hrs
- CHM 4610L Inorganic Chemistry Laboratory 2 hrs
- CHM 4912 Directed Independent Research 4 hrs
- CHM 4920 Organic Chemistry 3 hrs
- CHM 4930 Chemistry Seminar I 1 hr
- CHM 4931 Chemistry Seminar II 1 hr

### 5. Restricted Electives (6 hrs)
- Select from the following courses: 6 hrs
  - BCH 4054 Biochemistry II 3 hrs
  - CHM 4220 Organic Chemistry III 3 hrs
  - CHM 5225 Advanced Organic Chemistry 3 hrs
  - CHM 5235 Applied Molecular Spectroscopy 3 hrs
  - CHM 5450 Polymer Chemistry 3 hrs
  - CHM 5451C Techniques in Polymer Science 3 hrs
  - CHM 5580 Advanced Physical Chemistry 3 hrs
  - CHS 4200 Concepts in Industrial Chemistry 3 hrs
  - CHS 4615 Environmental Chemistry 3 hrs

**Directed Electives:**
- 3 hrs
  - Course will be selected with the aid of a departmental advisor and approved in advance by the department chair. Course will be selected from the physical, biological, mathematical sciences and/or related disciplines and normally will be at the 3000/4000 level. Co-op courses cannot be used in the major.

### 6. Capstone Requirements
- None

### 7. Foreign Language Requirements

**Admissions**
- Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

**Graduation**
- None

### 8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

### 9. Additional Requirements
- Complete a minimum of 30 Chemistry credits from the UCF Chemistry Department.
- Achieve at least a “C” (2.0) grade in each UCF Chemistry course used to satisfy the major.
- Computer Competency met by their statistics course or by departmental assessment.
- The last 30 credit hours of regularly scheduled courses that satisfy degree requirements must be taken in Residence at UCF.
- Grades earned in the following will not be applied in the determination of the Chemistry GPA:
  - CHM 4912 Directed Independent Research 4 hrs
  - CHM 4930 Chemistry Seminar I 1 hr
  - CHM 4931 Chemistry Seminar II 1 hr

### 10. Required Minors
- None

### 11. Departmental Exit Requirements
- Students are required to take a nationally normed test in chemistry during their last semester. The exam will be given in the Fall and Spring semesters. Students who plan to graduate in the Summer must take the exam in the Spring. The student must achieve a satisfactory score on the exam.
- Students are required to submit an undergraduate research report for evaluation no later than the date posted by the Department in the semester they intend to graduate. The report must meet or exceed departmental requirements established for the report.
- Before applying to graduate, the CLAS must be completely satisfied.

### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in 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
- Chemistry - Biochemistry Track
- Forensic Science - Analysis Track
- Forensic Science - Biochemistry Track
- Molecular Biology and Microbiology
- Science Education - Chemistry

### Certificates
- None

### Related Minors
- Chemistry
- Molecular Biology and Microbiology
## UCF Degree Programs

### Advising Notes
- Students must satisfy each course’s prerequisites before enrolling in the class.

### Transfer Notes
- Lower Division courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

### Acceptable Substitutes for Transfer Courses
- Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF.
- CHM 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 Math, you must take Math Placement Test – http://mathplacement.sdes.ucf.edu/

### Freshman Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>BSC 2010C</td>
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</tr>
<tr>
<td>CHM 2045C</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ENC 1101</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 2311</td>
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### Freshman Year - Spring

<table>
<thead>
<tr>
<th>Course</th>
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</tr>
</thead>
<tbody>
<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2046</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2046L</td>
<td>1 hr</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 2312</td>
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### Sophomore Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
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</thead>
<tbody>
<tr>
<td>CHM 2210</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 2313</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PHY 2048C</td>
<td>3 hrs</td>
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### Sophomore Year - Spring

<table>
<thead>
<tr>
<th>Course</th>
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</tr>
</thead>
<tbody>
<tr>
<td>GEP</td>
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</tr>
<tr>
<td>Free Elective</td>
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</tr>
<tr>
<td>CHM 2211</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2211L</td>
<td>2 hrs</td>
</tr>
<tr>
<td>PHY 2049C</td>
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### Junior Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCH 4053</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 3120</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 3120L</td>
<td>2 hrs</td>
</tr>
<tr>
<td>CHM 3410</td>
<td>4 hrs</td>
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### Junior Year - Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 3411</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 3411L</td>
<td>2 hrs</td>
</tr>
<tr>
<td>CHM 4130</td>
<td>3 hrs</td>
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<tr>
<td>CHM 4130L</td>
<td>2 hrs</td>
</tr>
<tr>
<td>CHM 4610</td>
<td>3 hrs</td>
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</table>

### Senior Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEP</td>
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</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Free Elective</td>
<td>2 hrs</td>
</tr>
<tr>
<td>CHM 4610L</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 4912</td>
<td>2 hrs</td>
</tr>
<tr>
<td>CHM 4930</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

### 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

Phone: 407-823-2246

### Admission Requirements
- None

### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in the major.
- Students should consult with a departmental advisor before registering.
- Departmental Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level course taken from the UCF Department of Chemistry.
- Chemistry majors are discouraged from taking courses as a transient student at a community college, except in situations where one semester of a two semester sequence has already been taken at the community college.
- Individual course prerequisites for enrollment in courses selected to complete areas 4 (Core Requirements-Advanced Level) and 5 (Restricted Electives) will be enforced without exception.
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours. Courses designated in 1 (General Education Program) typically are spread throughout the 120 hours.
- AA transfer students are expected to have completed all of the following courses before enrolling as a Chemistry major; these classes are prerequisites for advanced science classes and students entering without these classes will be unable to register for most of the advanced courses.
- CHM 2045C: Chemistry Fundamentals I 4 hrs
- CHM 2046: Chemistry Fundamentals II 3 hrs
- CHM 2046L: Chemistry Fundamentals Laboratory 1 hr
- CHM 2110: Organic Chemistry I 3 hrs
- CHM 2111: Organic Chemistry II 3 hrs
- CHM 2210: Organic Laboratory Techniques I 2 hrs
- CHM 2211: Organic Laboratory Techniques II 4 hrs
- CHM 3410: Physical Chemistry I 4 hrs
- CHM 3411: Physical Chemistry II 3 hrs
- CHM 3411L: Physical Chemistry Laboratory 2 hrs
- CHM 4130: Advanced Analytical Laboratory Technique 3 hrs
- CHM 4130L: Advanced Analytical Chemistry Laboratory 2 hrs
- CHM 4610: Inorganic Chemistry 3 hrs
- CHM 4931: Chemistry Seminar II 1 hr

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

### Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

### Undergraduate Catalog 2010-2011

1. **UCF General Education Program (GEP)** (39 hrs)

   - Note: Certain courses must be selected in the GEP for this major, which brings the GEP hours above 36.

   **A: Communication Foundations** (9 hrs)

   - Required: ENC 1101 Composition I 3 hrs
   - Required: ENC 1102 Composition II 3 hrs
   - Prefer: SPC 1608 Fundamentals of Oral Communication 3 hrs

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**UNIVERSITY OF CENTRAL FLORIDA**

150 Undergraduate Catalog 2010-2011
### B: Cultural & Historical Foundations (9 hrs)

- Required: BSC 2010C Biology I 4 hrs
- Preferred: STA 2023 Statistical Methods I 3 hrs

### C: Mathematical Foundations (7 hrs)

- Required: MAC 2311 Calculus with Analytic Geometry I 4 hrs
- Preferred: STA 2023 Statistical Methods I 3 hrs

### D: Social Foundations (6 hrs)

- Required: CHM 2046 Chemistry Fundamentals II 3 hrs
- Required: CHM 2046L Organic Laboratory Techniques I 3 hrs

### E: Science Foundations (8 hrs)

- Required: BSC 2010C Biology I 4 hrs
- Required: PHY 2046C Physics for Engineers & Scientists I 4 hrs

#### 2. Common Program Prerequisites (CPP) (20 hrs)

- CHM 2045C Chemistry Fundamentals I 4 hrs
- CHM 2045L Organic Laboratory Techniques I 2 hrs
- CHM 2046C Chemistry Fundamentals II 3 hrs
- CHM 2046L Organic Laboratory Techniques I 3 hrs
- MAC 2311 Calculus with Analytic Geometry III 4 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs

NOTE: These courses are considered as equivalents:

- or CHM 2040C Chemistry Fundamentals IA 3 hrs
- or CHM 2041C Chemistry Fundamentals IB 3 hrs

#### 3. Core Requirements: Basic Level (14 hrs)

- BSC 2010C Biology I GEP
- CHM 3120 Analytical Chemistry 3 hrs
- CHM 3120L Analytical Chemistry Laboratory 1 hr
- CHM 3212L Organic Laboratory Techniques II 2 hrs
- MAC 2311 Calculus with Analytic Geometry III GEP
- PHY 2048C Physics for Engineers & Scientists I GEP
- PHY 2049C Physics for Engineers and Scientists II 4 hrs

Select one of the following statistics courses 0 hr

- STA 1060C Basic Statistics Using Microsoft Excel or
- STA 2023 Statistical Methods I GEP

#### 4. Core Requirements: Advanced Level (40 hrs)

- BCH 4053 Biochemistry I 3 hrs
- BCH 4054 Biochemistry II 3 hrs
- BCH 4103L Biochemical Methods 2 hrs
- CHM 3410 Physical Chemistry I 4 hrs
- CHM 3411 Physical Chemistry II 3 hrs
- CHM 3411L Physical Chemistry Laboratory 2 hrs
- CHM 4220 Organic Chemistry III 3 hrs
- CHM 4610 Inorganic Chemistry 3 hrs
- CHM 4912 Directed Independent Research 4 hrs
- CHM 4931 Chemistry Seminar I 1 hr
- CHM 4931L Chemistry Seminar II 1 hr
- MCB 3020C General Microbiology 5 hrs
- PCB 3023 Molecular Cell Biology 3 hrs
- PCB 3063 Genetics 3 hrs

#### 5. Restricted Electives (7 hrs)

Select from the following:

- CHM 4130 Advanced Analytical Laboratory Technique 3 hrs
- CHM 5225 Advanced Organic Chemistry 3 hrs
- CHM 5235 Applied Molecular Spectroscopy 3 hrs
- PCB 3522 Molecular Biology I 3 hrs

Additional upper level courses as approved by a departmental advisor

Additional physical, biological, and mathematical 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.
- Computer Competency met by statistics or by departmental assessment.
- The last 30 credit hours of regularly scheduled courses that satisfy degree requirements must be taken in Residence at UCF.
- Grades earned in the following courses will not be applied in the determination of the Chemistry GPA:
  - CHM 4912 Directed Independent Research 4 hrs
  - CHM 4930 Chemistry Seminar I 1 hr
  - CHM 4931 Chemistry Seminar II 1 hr

#### 10. Required Minors

- None

### 11. Departmental Exit Requirements

- Students are required to take a nationally normed test in chemistry and biochemistry during their last semester. The exam will be given in the Fall and Spring semesters. Students who plan to graduate in the Summer must take the exam in the Spring. The student must achieve a satisfactory score on the exam.
- Students are required to submit an undergraduate research report for evaluation no later than the date posted by the department in the semester they intend to graduate. The report must meet or exceed departmental requirements established for the report.
- Before applying to graduate, the CLAS must be completely satisfied.

### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residence at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required

- 120

#### Honors in Major

- None

#### Related Programs

- Biology
- Chemistry
- Forensic Science - Analysis Track
- Forensic Science - Biochemistry Track
- Molecular Biology and Microbiology

#### Certificates

- None
### UCF Degree Programs

**Related Minors**
- Biology
- Chemistry
- Molecular Biology and Microbiology

**Advising Notes**
- None

**Transfer Notes**
- Lower Division courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

**Acceptable Substitutes for Transfer Courses**
- The following Common Program Prerequisite courses may be satisfied by the following courses if taken prior to transferring to UCF:
  - CHM 2045C: May use CHM X040C plus CHM X041C.
  - Physics: Although the CPP allows substitution by other physics courses or Organic Chemistry, both the specified Physics and Organic Chemistry classes are required in the major and will still have to be taken.

**Plan of Study**
- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Prior to enrolling in Chemistry, take Chemistry Placement Test ~ http://chemplacement.sdes.ucf.edu/
- Prior to enrolling in Math, take Math Placement Test ~ http://mathplacement.sdes.ucf.edu/

#### Freshman Year - Fall (15 hrs)
- BSC 2010C  Biology I  4 hrs
- CHM 2045C  Chemistry Fundamentals I  4 hrs
- ENC 1101  Composition I  3 hrs
- MAC 2311  Calculus with Analytic Geometry I  4 hrs

#### Freshman Year - Spring (17 hrs)
- GEP  3 hrs
- GEP  3 hrs
- CHM 2046  Chemistry Fundamentals II  3 hrs
- CHM 2046L  Chemistry Fundamentals Laboratory  1 hr
- ENC 1102  Composition II  3 hrs
- MAC 2312  Calculus with Analytic Geometry II  4 hrs

#### Sophomore Year - Fall (14 hrs)
- CHM 2210  Organic Chemistry I  3 hrs
- MAC 2313  Calculus with Analytic Geometry III  4 hrs
- PHY 2048C  Physics for Engineers & Scientists I  4 hrs
- Statistics  3 hrs

#### Sophomore Year - Spring (16 hrs)
- GEP  3 hrs
- CHM 2211  Organic Chemistry II  3 hrs
- CHM 2211L  Organic Laboratory Techniques I  2 hrs
- CHM 3120  Analytical Chemistry  3 hrs
- CHM 3120L  Analytical Chemistry Laboratory  1 hr
- PHY 2049C  Physics for Engineers and Scientists II  4 hrs

#### Junior Year - Fall (14 hrs)
- GEP  3 hrs
- BCH 4053  Biochemistry I  3 hrs
- CHM 3212L  Organic Laboratory Techniques II  2 hrs
- PCB 3023  Molecular Cell Biology  3 hrs
- PCB 3063  Genetics  3 hrs

#### Junior Year - Spring (13 hrs)
- GEP  3 hrs
- BCH 4054  Biochemistry II  3 hrs
- BCH 4103L  Biochemical Methods  2 hrs
- MCB 3020C  General Microbiology  5 hrs

#### Senior Year - Fall (16 hrs)
- Restricted Elective  3 hrs
- Restricted Elective  4 hrs
- CHM 3410  Physical Chemistry I  4 hrs
- CHM 4220  Organic Chemistry III  3 hrs
- CHM 4912  Directed Independent Research  1 hr
- CHM 4930  Chemistry Seminar I  1 hr

#### Senior Year - Spring (15 hrs)
- GEP  3 hrs
- CHM 3411  Physical Chemistry II  3 hrs
- CHM 3411L  Physical Chemistry Laboratory  2 hrs
- CHM 4610  Inorganic Chemistry  3 hrs
- CHM 4912  Directed Independent Research  3 hrs
- CHM 4931  Chemistry Seminar II  1 hr

**Program Academic Learning Compacts**
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

**Equipment Fees**
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

**Cinema Studies Track in Film**

See Film - Cinema Studies Track

### Civil Engineering (B.S.C.E.)

**College of Engineering and Computer Science**

Department of Civil, Environmental, and Construction Engineering, Engineering II, Room: 211

[http://www.cece.ucf.edu](http://www.cece.ucf.edu)

Ms. Carol Ann Pohl, cpohl@mail.ucf.edu
Dr. F. Necati Catbas, catbas@mail.ucf.edu
Phone: 407-823-2841

**Admission Requirements**
- None

**Degree Requirements** (128 hrs)
- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing the courses from section 3 Basic Core Requirements, section 4 Advanced Core Requirements, section 5 Restricted Electives and section 6 Capstone Requirements listed below. Independent study courses generally do not satisfy major requirements.

1. **UCF General Education Program (GEP)** (38 hrs)
   - The UCF General Education Program (GEP) is described in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida State University/Community College Systems should complete the GEP and the Common Program Prerequisites before transferring.

   **A: Communication Foundations** (9 hrs)
   - Required ENC 1101 Composition I  3 hrs
   - Required ENC 1102 Composition II  3 hrs
   - Suggested SPC 1803 Fundamentals of Technical Presentations  3 hrs

   **B: Cultural & Historical Foundations** (9 hrs)
   - Select two courses from Historical Foundations  6 hrs
   - Select one course from Cultural Foundations  3 hrs

   **C: Mathematical Foundations** (7 hrs)
   - Required MAC 2311 Calculus with Analytic Geometry I  4 hrs
   - Required STA 3023 Probability and Statistics for Engineers  3 hrs

   **D: Social Foundations** (6 hrs)
   - Select 1:  3 hrs
     - Prefer ECO 2023 Principles of Macroeconomics or  3 hrs
     - Prefer ECO 2023 Principles of Microeconomics or  3 hrs
   - Select one class from Social Foundations  3 hrs
2. Common Program Prerequisites (CPP) (19 hrs)

These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs.

See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

Select one of the following sequences of courses:

CHM 2040C Chemistry Fundamentals IA and
CHM 2041C Chemistry Fundamentals IB

or

CHM 2045C Chemistry Fundamentals I

or

CHS 1440 Fundamentals of Chemistry for Engineers

3. Core Requirements: Basic Level (5 hrs)

CHM 2045C Chemistry Fundamentals I

CHM 2046 Chemistry Fundamentals II

EGN 1006C Introduction to the Engineering Profession

EGN 1007C Engineering Concepts and Methods

4. Core Requirements: Advanced Level (57 hrs)

CCE 4003 Introduction to the Construction Industry

CSE 4100C Structural Analysis I and Lab

CGN 3501C Civil Engineering Materials

CWR 3201 Engineering Fluid Mechanics

CWR 4101C Hydrology

CWR 4203C Hydraulics

EGN 3131 Engineering Analysis-Statics

EGN 3311 Engineering Analysis-Dynamics

EGN 3331 Mechanics of Materials

EGN 3343 Thermodynamics

EGN 3373 Principles of Electrical Engineering

EGN 3613 Engineering Economic Analysis

ENV 3001 Introduction to Environmental Engineering

ENV 4561 Environmental Engineering - Process Design

STA 3032 Probability and Statistics for Engineers

SUR 2101C Surveying

TTE 4004 Transportation Engineering

Select 1:

CES 4605 Steel Structures

CES 4702 Reinforced Concrete Structures

5. Restricted Electives (3 hrs)

Technical electives are available in the BSCE program to address specific student interests in a variety of technical areas. Students should consult the CECE Web site and their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements (6 hrs)

Required Senior Design Courses

Select 2:

CES 4801C Geotechnical Engineering Design

CES 4608C Steel Design

CES 4709C Concrete Design

CGN 4808C Civil Engineering Capstone Design

CWR 4812C Water Resources Design

ENV 4562C Environmental Engineering Systems Design

TTE 4601C Urban Systems Design

7. Foreign Language Requirements

Admissions

Two years of foreign language in high school, or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

None

8. Electives

None

9. Additional Requirements

Civil engineering students must take the Fundamentals of Engineering (FE) Exam during their Senior year.

10. Required Minors

None

11. Departmental Exit Requirements

None

12. University Minimum Exit Requirements

A 2.0 UCF GPA

60 semester hours earned after CLEP awarded

48 semester hours of upper division credit completed

30 of the last 39 hours of course work must be completed in residency at UCF

A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

128

Honors In Major

None

Related Programs

Construction Engineering

Environmental Engineering

Certificates

None

Related Minors

Engineering Leadership

Mathematics

Advising Notes

Each engineering student is assigned a qualified engineering academic advisor in the department of his/her major. Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.

The Civil Engineering program offers the opportunity for exceptionally well qualified undergraduates to enter directly into the PhD program after completion of an appropriate BS degree. This option allows outstanding undergraduates to begin planning a research program with a specific faculty advisor even before finishing the BS, and may allow completion of the PhD in a shorter time period than by taking a separate Masters followed by the PhD.
UCF Degree Programs

Transfer Notes
- Courses taken from Community Colleges do not substitute for Upper Division Courses unless part of an articulated pre-engineering degree program.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.
- EGN 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one hour for each) may, with prior approval of the department academic advisor, be moved to the Restricted Elective area.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (128 hrs)
- The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their departmental academic advisor to develop and maintain an appropriate plan of study.

Freshman Year - Fall  14 hrs
  GEP  3 hrs
  EGN 1006C Introduction to the Engineering Profession  1 hr
  ENC 1101 Composition I  3 hrs
  MAC 2311 Calculus with Analytic Geometry I  4 hrs
  Select 1: 3 hrs
  ECO 2013 Principles of Macroeconomics or  3 hrs
  ECO 2023 Principles of Microeconomics  3 hrs

Freshman Year - Spring  14 hrs
  EGN 1007C Engineering Concepts and Methods  1 hr
  EGN 3613 Engineering Economic Analysis  2 hrs
  ENC 1102 Composition II  3 hrs
  MAC 2312 Calculus with Analytic Geometry II  4 hrs
  PHY 2048C Physics for Engineers & Scientists II  4 hrs
  Select: 3 hrs

Sophomore Year - Fall  14 hrs
  GEP  3 hrs
  CHM 205C Chemistry Fundamentals I  4 hrs
  EGN 3310 Engineering Analysis-Statics  3 hrs
  MAC 2313 Calculus with Analytic Geometry III  4 hrs

Sophomore Year - Spring  16 hrs
  GEP  3 hrs
  CHM 2046 Chemistry Fundamentals II  3 hrs
  EGN 3321 Engineering Analysis-Dynamics  3 hrs
  MAF 2302 Differential Equations  3 hrs
  PHY 2049C Physics for Engineers and Scientists II  4 hrs

Sophomore Year - Summer  9 hrs
  EGN 3331 Mechanics of Materials  3 hrs
  ENV 3001 Introduction to Environmental Engineering  3 hrs
  SUR 2101C Surveying  3 hrs

Junior Year - Fall  16 hrs
  CCE 4003 Introduction to the Construction Industry  3 hrs
  CES 4100C Structural Analysis I and Lab  4 hrs
  CWR 3201 Engineering Fluid Mechanics  3 hrs
  SPC 1603 Fundamentals of Technical Presentations  3 hrs
  STA 3032 Probability and Statistics for Engineers  3 hrs

Junior Year - Spring  16 hrs
  GEP  3 hrs
  CWR 4101C Hydrology  3 hrs
  CWR 4203C Hydraulics  3 hrs
  EGN 3373 Principles of Electrical Engineering  3 hrs
  TTE 4004 Transportation Engineering  4 hrs

Senior Year - Fall  14 hrs
  CEG 4011C Geotechnical Engineering I  4 hrs
  ENV 4561 Environmental Engineering - Process Design  4 hrs
  Select: 3 hrs
  CES 4605 Steel Structures or  3 hrs
  CES 4702 Reinforced Concrete Structures  3 hrs

Senior Year - Spring  15 hrs
  Restricted Elective  3 hrs
  GEP  3 hrs
  CEN 3501C Civil Engineering Materials  3 hrs
  EGN 3343 Thermodynamics  3 hrs
  Design Course #2  3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

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

Communication Sciences and Disorders (B.A. / B.S.)
College of Health and Public Affairs
Department of Communication Sciences and Disorders, Health and Public Affairs II, Room: 101
http://www.cooha.ucf.edu/comdis/
E-mail: comdisug@mail.ucf.edu
R. Jane Lieberman
Phone: 407-823-4798

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog
- Students should complete the General Education Program before transferring within the Florida Public University/Community College System
- Students should consult with a departmental advisor
- The courses designated in section 1 below may be taken at a Florida public community college, and usually should be completed in the first 60 hours
- Students must earn at least a “C-” (1.75) in each required course, restricted elective, and B.A./B.S. elective
- Communication Sciences and Disorders is an unrestricted major; however, negative criminal background checks may result in the inability to complete coursework in this major

1. UCF General Education Program (GEP)  (36 hrs)
   A: Communication Foundations  (9 hrs)
   Prefer  SPC 1608 Fundamentals of Oral Communication  3 hrs
   B: Cultural & Historical Foundations  (9 hrs)
   C: Mathematical Foundations  (6 hrs)

   Select:  
   Suggested  STA 2014C Principles of Statistics or  3 hrs
   Suggested  STA 2023 Statistical Methods I  3 hrs

   Select:  
   Suggested  MGF 1106 Finite Mathematics or  3 hrs
   Suggested  MGF 1107 Explorations in Mathematics  3 hrs

   D: Social Foundations  (6 hrs)
   Suggested  PSY 2012 General Psychology  3 hrs

   Select:  
   Suggested  ECO 2013 Principles of Macroeconomics or  3 hrs
   Suggested  ECO 2023 Principles of Microeconomics or  3 hrs
   Suggested  POS 2041 American National Government  3 hrs

   E: Science Foundations  (6 hrs)
   Prefer  BSC 1005 Biological Principles  3 hrs
   Select one physical science  3 hrs

2. Common Program Prerequisites (CPP)  (0 hrs)
- None
### 3. Core Requirements: Basic Level
- None

### 4. Core Requirements: Advanced Level (56 hrs)

#### Statistics Requirement
- Students have two options for completing this requirement:

**Option 1:**
- STA 2023 Statistical Methods I or STA 4163 Statistical Methods II 3 hrs
- STA 2014C Principles of Statistics 3 hrs

**Option 2:**
- SPA 4803 Research Methods in Communication Sciences and Disorders and
- STA 2023 Statistical Methods I 3 hrs

#### Core Requirements (53 hrs)
- DEP 2004 Developmental Psychology 3 hrs
- LIN 3713 Language Science 3 hrs
- LIN 3716 Language Development 3 hrs
- LIN 3716L Language Development Lab 2 hrs
- SPA 3011 Speech Science I: Production 3 hrs
- SPA 3011L Speech Production lab 1 hr
- SPA 3101 Physiological Bases of Speech and Hearing 3 hrs
- SPA 3104 Neural Bases of Communication 3 hrs
- SPA 3112 Basic Phonetics 3 hrs
- SPA 3112L Basic Phonetics Lab 1 hr
- SPA 3123 Speech Science II: Perception 3 hrs
- SPA 3123L Speech Perception Lab 1 hr
- SPA 3471 Communication Disorders in Literature and Media 3 hrs
- SPA 4032 Audiology 3 hrs
- SPA 4321 Audiolingual Rehabilitation 3 hrs
- SPA 4400 Language Disorders Across the Life Span 3 hrs
- SPA 4476 Speech Disorders Across the Lifespan 3 hrs
- SPA 4478 Multicultural Aspects of Communication 3 hrs
- SPA 4870C Capstone Course 3 hrs

**Select 1:**
- EAB 3703 Principles of Behavior Modification or EDE 3303 Learning Environments and Guidance for Young Children or
- EEC 4604 Classroom Management and Guidance of Young Children or
- EEX 4601 Introduction to Behavior Management or
- SPA 3472 Guidance of Young Children with Communication Disorders

#### 5. Restricted Electives (9 hrs)
- 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.
- Students pursuing the B.S. degree must complete two upper division health sciences courses (six credit hours) approved by the department.

#### 6. Capstone Requirements
- SPA 4870C Capstone Course 3 hrs

#### 7. Foreign Language Requirements

##### Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation. American Sign Language (ASL) can be used to fulfill the foreign language admission requirement.

##### Graduation
- Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year. ASL I, II, and III can also be used to fulfill this requirement.

### 8. Electives
- None

### 9. Additional Requirements
- None

### 10. Required Minors
- None

### 11. Departmental Exit Requirements
- Students must achieve a minimum grade of "C-" (1.75) in all required courses, restricted electives, and B.A./B.S. electives in the department.
- Students must also earn an overall minimum of 2.0 GPA in the courses used to satisfy the major.

### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A 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
- Early Childhood Education
- Exceptional Student Education
- Health Services Administration
- Physical Therapy
- Psychology
- Social Work

### Certificates
- None

### Related Minors
- Aging Studies
- Early Childhood Education
- Exceptional Education
- Health Services Administration
- Interpersonal/Organizational Communication
- Linguistics
- Psychology

### Advising Notes
- Certification in speech-language pathology by the American Speech-Language-Hearing Association and licensure by the State of Florida Department of Health, Division of Medical Quality Assurance requires a master’s degree in Communication Sciences and Disorders.

### Transfer Notes
- "D" (1.0) grades are not accepted
- Courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
- Students may take STA 2014C or STA 2023 to fulfill the first part of the statistics requirement

### Acceptable Substitutes for Transfer Courses
- None

### Plan of Study

#### Freshman Year - Fall
- Free Elective 3 hrs
- BSC 1005L Biological Principles Laboratory 1 hr
- ENC 1101 Composition I 3 hrs
- PSY 2012 General Psychology 3 hrs
- STA 2014C Principles of Statistics 3 hrs
### Select 1:
- ARH 2050: History of Western Art I or 3 hrs
- ARH 2051: History of Western Art II or 3 hrs
- FIL 1000: Cinema Survey or 3 hrs
- LIT 2110: World Literature I or 3 hrs
- LIT 2120: World Literature II or 3 hrs
- MUL 2010: Enjoyment of Music or 3 hrs
- PHI 2100: Introduction to Philosophy or 3 hrs
- REL 2300: World Religions or 3 hrs
- THE 2000: Theatre Survey 3 hrs

### Freshman Year - Spring
- DEP 2004: Developmental Psychology 3 hrs
- ENC 1102: Composition II 3 hrs
- Select 1:
  - PHY 2053C: College Physics I or 4 hrs
  - PSC 1121: Physical Science 3 hrs

### Select 1:
- ECO 2022: Principles of Microeconomics or 3 hrs
- ECO 2023: Principles of Macroeconomics or 3 hrs
- POS 2041: American National Government 3 hrs

### Select 1:
- AMH 2010: U.S. History: 1877-Present 3 hrs
- EUH 2000: Western Civilization II or 3 hrs
- HUM 2210: Humanistic Tradition I 3 hrs

### Sophomore Year - Fall
- Free Elective 3 hrs
- SPA 3471: Communication Disorders in Literature and Media 3 hrs
- SPC 1608: Fundamentals of Oral Communication 3 hrs

### Select 1:
- AMH 2020: U.S. History: 1877-Present or 3 hrs
- EUH 2001: Western Civilization II or 3 hrs
- HUM 2230: Humanistic Tradition II 3 hrs

### Select 1:
- MAC 1105: College Algebra or 3 hrs
- MGF 1106: Finite Mathematics 3 hrs

### Sophomore Year - Spring
- Students taking American Sign Language (ASL) to satisfy B.A. foreign language requirement must complete three semesters of ASL.
- Restricted Elective 3 hrs
- SPA 3112: Basic Phonetics 3 hrs
- SPA 3112L: Basic Phonetics Lab 1 hr

### Select 1:
- EAB 3703: Principles of Behavior Modification or 4 hrs
- EDF 3303: Learning Environments and Guidance for Young Children or 3 hrs
- EEC 4604: Classroom Management and Guidance of Young Children or 3 hrs
- EEX 4601: Introduction to Behavior Management or 3 hrs
- SPA 3472: Speech Disorders and Disabilities 3 hrs

### Select 1:
- STA 2014C: Principles of Statistics or 3 hrs
- STA 2023: Statistical Methods I or 3 hrs
- Foreign Language I (B.A.) or Health Sciences (B.S.) elective 3 hrs

### Junior Year - Fall
- Restricted Elective 3 hrs
- LIN 3713: Language Science 3 hrs
- SPA 3011: Speech Science I: Production 3 hrs
- SPA 3011L: Speech Production Lab 1 hr
- SPA 3101: Physiological Bases of Speech and Hearing 3 hrs

### Junior Year - Spring
- LIN 3716: Language Development 3 hrs
- LIN 3716L: Language Development Lab 2 hrs
- SPA 3104: Neural Bases of Communication 3 hrs
- SPA 3123: Speech Science II: Perception 3 hrs
- SPA 3123L: Speech Perception Lab 1 hr
- SPA 4476: Speech Disorders Across the Lifespan 3 hrs

### Junior Year - Summer
- Foreign Language II (B.A.) or Health Sciences Elective (B.S) 3 hrs

### Senior Year - Fall
- SPA 4032: Audiology 3 hrs
- SPA 4400: Language Disorders Across the Life Span 3 hrs
- SPA 4478: Multicultural Aspects of Communication Disorders & Differences 3 hrs

### Senior Year - Spring
- SPA 4903: Research Methods in Communication Sciences and Disorders or 3 hrs
- STA 4163: Statistical Methods II 3 hrs

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  - [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](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

### Computer Engineering (B.S.P.E.)
**College of Engineering and Computer Science**
**School of Electrical Engineering and Computer Science**
**Harris Corp. Engineering Center, Room: 246**
**http://www.eecs.ucf.edu**

**E-mail:** undergraduate@eecs.ucf.edu

Dr. Samuel Richie  
Ms. Charlese Hilton-Brown  
Phone: 407-823-3327

### Admission Requirements
- None

### Degree Requirements
- None

### 1. UCF General Education Program (GEP) (38 hrs)
- UCF General Education Program (GEP) is described in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A through E below to minimize excess hours. Students transferring to UCF from within the Florida State University/Community College Systems should complete the GEP and the Common Program Prerequisites before transferring.

### A: Communication Foundations (9 hrs)
- Required: ENC 1101: Composition I 3 hrs
- Required: ENC 1102: Composition II 3 hrs

### Select 1:
- Suggested: SPC 1603: Fundamentals of Technical Presentations or 3 hrs

### Contact Information
- Phone: 407-823-3327
- Ms. Charlese Hilton-Brown
- Dr. Samuel Richie
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 2013 Principles of Macroeconomics or 3 hrs
Prefer ECO 2023 Principles of Microeconomics 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
Select one course from Science Foundations 3 hrs

2. Common Program Prerequisites (CPP) (19 hrs)
- These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. To enroll in CpE major courses, a 2.0 (C or better) in each course is required for those course indicated.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

1 ENC 1101 Composition I GEP
ENC 1102 Composition II GEP
1 MAC 2311 Calculus with Analytic Geometry I GEP
1 MAC 2312 Calculus with Analytic Geometry II 4 hrs
1 MAC 2313 Calculus with Analytic Geometry III 4 hrs
1 MAP 2302 Differential Equations 3 hrs
1 PHY 2048C Physics for Engineers & Scientists I GEP
1 PHY 2049C Physics for Engineers and Scientists II 4 hrs

Select 1: 4 hrs
CHM 2045C Chemistry Fundamentals I or 4 hrs
2 CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs

Humanities Courses
Social Science Courses
Humanities or Social Science

1 A “C” (2.0) or better is required in this course.
2 Preferred

3. Core Requirements: Basic Level (2 hrs)
The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 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
EGN 3310 Engineering Analysis-Statics 6 hrs
STA 3032 Probability and Statistics for Engineers 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
COP 3330 Object Oriented Programming 48 hrs
COP 3502 Computer Science I 3 hrs
COP 3503 Computer Science II 4 hrs
COP 4331C Processes for Object-Oriented Software Development 4 hrs
COP 4600 Operating Systems 3 hrs
COT 3100C Introduction to Discrete Structures 3 hrs
EEE 3307C Electronics I 3 hrs
EEE 3342C Digital Systems 3 hrs
EEL 3004 Electrical Networks 3 hrs
EEL 3123C Networks and Systems 4 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

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 3 hrs
EEL 4915L Senior Design II 3 hrs

7. Foreign Language Requirements

Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- None

9. Additional Requirements
- Computer engineering students must earn at least 32 hours in residence at UCF.

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
- 45 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A 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
- Computer Science
- Engineering Leadership
- Information Technology
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Mathematics
- Physics
**UCF Degree Programs**

**Advising Notes**
- Each engineering student should meet regularly with an academic advisor in the major department.
- Students are assumed to have knowledge of a higher level programming language (C preferred).
- The Computer Engineering program offers the Accelerated BS/MS Program to students of high academic standing. This program allows up to twelve hours to be shared between the BS and MS degrees. See your department or the Accelerated program section in the back of this catalog for more information.
- Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.

**Transfer Notes**
- Courses taken from Community Colleges do not substitute for Upper Division Courses unless part of an articulated pre-engineering degree program.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.

**Acceptable Substitutes for Transfer Courses**
- None

**Plan of Study** (128 hrs)
- The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

### Freshman Year - Fall
- EGN 1006C Introduction to the Engineering Profession 1 hr
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- SPC 1603 Fundamentals of Technical Presentations 3 hrs
- GEP- Historical Foundation 3 hrs
- GEP- Science Foundation 3 hrs

### Freshman Year - Spring
- COP 3223 Introduction to Programming with C 3 hrs
- EGN 1007C Engineering Concepts and Methods 1 hr
- ENC 1102 Composition II 3 hrs
- MAC 2212 Calculus with Analytic Geometry II 4 hrs
- PHY 2048C Physics for Engineers & Scientists I 4 hrs

### Sophomore Year - Fall
- COT 3100C Introduction to Discrete Structures 3 hrs
- EGN 3310 Engineering Analysis-Statics 3 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs
- GEP- Historical Foundation 3 hrs

### Sophomore Year - Spring
- EEE 3342C Digital Systems 3 hrs
- EEL 3304 Electrical Networks 3 hrs
- ENC 1102 Composition II 3 hrs
- MAP 2302 Differential Equations 3 hrs

### Select 1:
- CHM 2045C Chemistry Fundamentals I or 4 hrs
- 1 CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs

1 Preferred

### Sophomore Year - Summer
- EEL 3123C Networks and Systems 4 hrs
- EEL 3801C Computer Organization 3 hrs
- GEP- Cultural Foundation 3 hrs

### Junior Year - Fall
- COP 3330 Object Oriented Programming 3 hrs
- COP 3502C Computer Science I 3 hrs
- EEL 3307C Electronics I 4 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs

### Select 1:
- EGN 3321 Engineering Analysis-Dynamics or 3 hrs
- EGN 3358 Thermo-Fluids-Heat Transfer 3 hrs

### Junior Year - Spring
- COP 3503C Computer Science II 4 hrs
- COP 4331C Processes for Object-Oriented Software Development 4 hrs
- EEL 4742C Embedded Systems 4 hrs
- GEP- Social Foundation 3 hrs

### Senior Year - Fall
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- EEL 4768C Computer Architecture 4 hrs
- EEL 4914 Senior Design I 3 hrs

### Select 1:
- ECO 2013 Principles of Microeconomics or 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs

### Senior Year - Spring
- Restricted Elective 3 hrs
- COP 4600 Operating Systems 3 hrs
- EEL 4781 Computer Communication Networks 3 hrs
- EEL 4915L Senior Design II 3 hrs

**Program Academic Learning Compacts**
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

**Equipment Fees**
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

**Computer Science (B.S.)**

**College of Engineering and Computer Science**

**School of Electrical Engineering and Computer Science,**

**Harris Corp. Engineering Center, Room: 246**

http://www.eecs.ucf.edu

E-mail: undergraduate@eecs.ucf.edu

Dr. Ali Orooji
Ms. Charlese Hilton-Brown
Phone: 407-823-3327

**Admission Requirements**
- Foundation Examination: Prior to taking courses beyond basic core requirements, students must pass a foundation exam (COT 3960) which covers problem solving techniques, algorithms, abstraction, proofs, and programming language skills. Tests will be administered each semester. Refer to the computer science website for more information about the foundation exam.

**Degree Requirements**
- Students are required to consult with a departmental advisor and file a plan of study after passing the foundation exam.
- Students must meet a Residency Requirement of at least 24 semester hours of regularly scheduled 3000-5000 level courses taken from Computer Science at UCF.
- 18 of the 24 Residency hours must be at the 4000-5000 level
- Students must earn at least a 2.0 in each course 2-5

1. **UCF General Education Program (GEP)** (39 hrs)

A: **Communication Foundations** (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 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 4 hrs
- Required STA 2023 Statistical Methods I 3 hrs

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D: Social Foundations (6 hrs)
E: Science Foundations (8 hrs)
   Prefer BSC 2010C Biology I 4 hrs
   Prefer PHY 2048C Physics for Engineers & Scientists I 4 hrs

2. Common Program Prerequisites (CPP) (15 hrs)
    A “C” (2.0) or better is required in all courses in this area.
    See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   COP 3223 Introduction to Programming with C 3 hrs
   MAC 2311 Calculus with Analytic Geometry I GEP
   MAC 2312 Calculus with Analytic Geometry II 4 hrs
   PHY 2048C Physics for Engineers & Scientists I GEP
   PHY 2049C Physics for Engineers and Scientists II 4 hrs

Select 2:
    4 hours for this requirement assumes that BSC 2010C is taken since the hours for this course are also in the GEP.
   BSC 2010C Biology I or GEP
   BSC 2011C Biology II or 4 hrs
   CHM 2045C Chemistry Fundamentals I or 4 hrs
   CHM 2046 Chemistry Fundamentals II or 3 hrs
   PHY 3101 Physics for Engineers and Scientists III 3 hrs

3. Core Requirements: Basic Level (25 hrs)
    A “C” (2.0) or better is required in all courses in this area.
   CDA 3103 Computer Logic and Organization 3 hrs
   CIS 3360 Security in Computing 3 hrs
   COP 3330 Object Oriented Programming 3 hrs
   COP 3402 Systems Software 3 hrs
   COP 3502C Computer Science I 3 hrs
   COP 3503C Computer Science II 4 hrs
   COT 3100C Introduction to Discrete Structures 3 hrs
   COT 3960 CS Foundation Exam 0 hrs
   ENC 3241 Writing for the Technical Professional 3 hrs
   STA 2023 Statistical Methods I 3 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 4020 Programming Languages I 3 hrs
   COP 4331C Processes for Object-Oriented Software 4 hrs
   COP 4600 Operating Systems 3 hrs
   COT 4350 Discrete Structures II 3 hrs
   COT 4810 Topics in Computer Science 3 hrs
   EEL 4708C Computer Architecture 4 hrs

5. Restricted Electives (15 hrs)
    A “C” (2.0) or better is required in all courses in this area.
   4000-5000 level Computer Science courses 9 hrs
    Must be offered by Computer Science at UCF. At most 3 hours of independent study allowed. No internship or cooperative education credits are allowed. Approved IT courses offered by Computer Science may also be used toward this requirement (3 credits).
   4000-5000 level mathematics or statistics 6 hrs
    Courses from: STA, MAP, MAA, MAD, MAS prefixes and the following. No independent study hours, internship, or cooperative education hours are allowed.
   MAC 2313 Calculus with Analytic Geometry III 4 hrs
   MAP 2202 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

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
   COP 3223 Introduction to Programming with C 3 hrs
   COT 3100C Introduction to Discrete Structures 3 hrs
   ENC 1101 Composition I 3 hrs
   SPC 1603 Fundamentals of Technical Presentations 3 hrs

Freshman Year - Spring 13 hrs
   CDA 3103 Computer Logic and Organization 3 hrs
   COP 3502C Computer Science I 3 hrs
   COT 3960 CS Foundation Exam 0 hrs
   ENC 1102 Composition II 3 hrs
   MAC 2311 Calculus with Analytic Geometry I 4 hrs
## UCF Degree Programs

### Freshman Year - Summer
- COP 3330 Object Oriented Programming 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs

### Sophomore Year - Fall
- GEP 3 hrs
- COP 3402 Systems Software 3 hrs
- COP 3503C Computer Science II 4 hrs
- PHY 2048C Physics for Engineers & Scientists I 4 hrs

### Sophomore Year - Spring
- CIS 3360 Security in Computing 3 hrs
- COP 4331C Processes for Object-Oriented Software Development 4 hrs
- ENC 3241 Writing for the Technical Professional 3 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs

### Sophomore Year - Summer
- GEP 6 hrs
- STA 2023 Statistical Methods I 3 hrs

### Junior Year - Fall
- GEP 3 hrs
- BSC 2010C Biology I 4 hrs
- COP 4020 Programming Languages I 3 hrs
- EEL 4768C Computer Architecture 4 hrs

### Junior Year - Spring
- 1 Restricted Elective 3 hrs
- 2 Restricted Elective 3 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- COP 4600 Operating Systems 3 hrs
- 1 Math/Stat Restricted Elective
- 2 CS Elective

### Senior Year - Fall
- 1 Restricted Elective 3 hrs
- GEP 3 hrs
- Free Elective 3 hrs
- COP 4810 Topics in Computer Science 3 hrs
- 1 CS Elective

### Senior Year - Spring
- 1 Restricted Elective 3 hrs
- GEP 3 hrs
- 2 Restricted Elective 3 hrs
- 1 CS Elective
- 2 Math/Stat Restricted Elective

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.cece.ucf.edu/alc/academic_learning_compacts.htm](http://www.cece.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](http://www.cece.ucf.edu)

Ms. Carol Ann Pohl, cpohl@mail.ucf.edu
Dr. Amr A. Oloufa, aoloufa@mail.ucf.edu
Phone: 407-823-2841

### Admission Requirements
- None

### Degree Requirements (128 hrs)
- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing the courses from section 3 Basic Core Requirements, section 4 Advanced Core Requirements, section 5 Restricted Electives and section 6 Capstone Requirements listed below. Independent study courses generally do not satisfy major requirements.

#### 1. UCF General Education Program (GEP) (38 hrs)
- The UCF General Education Program (GEP) is described in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida State University/Community College Systems should complete the GEP and the Common Program Prerequisites before transferring.

**A: Communication Foundations (9 hrs)**
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Suggested SPC 1603 Fundamentals of Technical Presentations 3 hrs

**B: Cultural & Historical Foundations (9 hrs)**
- Select two courses from Historical Foundations 6 hrs
- Select one class from Cultural Foundations 3 hrs

**C: Mathematical Foundations (7 hrs)**
- Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
- Required STA 3032 Probability and Statistics for Engineers 3 hrs

**D: Social Foundations (6 hrs)**
- Select 1: 3 hrs
  - Prefer ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics 3 hrs
  - Select one class from Social Foundations 3 hrs

**E: Science Foundations (7 hrs)**
- Required PHY 2048C Physics for Engineers & Scientists I 4 hrs
- Required PHY 2049C Physics for Engineers and Scientists II 4 hrs

**2. Common Program Prerequisites (CPP) (19 hrs)**
- These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. Note: MAC 2311 and PHY 2048/48L also satisfy UCF GEP.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

**Required Courses: (21 hrs)**
- ENC 1101 Composition I 3 hrs
- ENC 1102 Composition II 3 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- MAP 2302 Differential Equations 3 hrs
- PHY 2048C Physics for Engineers & Scientists I 4 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs

**Select one of the following sequences of courses:**
- CHM 2040C Chemistry Fundamentals I A and 3 hrs
- CHM 2041C Chemistry Fundamentals IB 3 hrs
- or CHM 2045C Chemistry Fundamentals I 4 hrs
- or CHM 2046C Chemistry Fundamentals II 3 hrs
- EGN 1006C Introduction to the Engineering Profession 1 hr
- EGN 1007C Engineering Concepts and Methods 1 hr

**3. Core Requirements: Basic Level (5 hrs)**
- CHM 2045C Chemistry Fundamentals I 3 hrs
- CHM 2046C Chemistry Fundamentals II 3 hrs
- EGN 1006C Introduction to the Engineering Profession 1 hr
- EGN 1007C Engineering Concepts and Methods 1 hr

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### University of Central Florida

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### 4. Core Requirements: Advanced Level (57 hrs)
- ACG 2071 Principles of Managerial Accounting 3 hrs
- CCE 4003 Introduction to the Construction Industry 3 hrs
- CCE 4004 Construction Methods 3 hrs
- CCE 4034 Construction Estimating and Scheduling 3 hrs
- CCE 4402 Construction Equipment and Productivity 3 hrs
- CCE 4813 Mechanical and Electrical Systems for Buildings 4 hrs
- CEG 4011C Geotechnical Engineering I 4 hrs
- CES 4100C Structural Analysis I and Lab 4 hrs
- CGN 3501C Civil Engineering Materials 3 hrs
- CWR 3201 Engineering Fluid Mechanics 3 hrs
- 1 EGN 3310 Engineering Analysis-Statics 3 hrs
- EGN 3321 Engineering Analysis-Dynamics 3 hrs
- 1 EGN 3331 Mechanics of Materials 3 hrs
- EGN 3613 Engineering Economic Analysis 2 hrs
- ENV 3001 Introduction to Environmental Engineering 3 hrs
- STA 3023 Probability and Statistics for Engineers 3 hrs
- SUR 2101C Surveying 3 hrs
- TTE 4004 Transportation Engineering 4 hrs

**Select 1:**
- CES 4605 Steel Structures or
- CES 4702 Reinforced Concrete Structures 3 hrs

1 A “C” (2.0) or better is required in this course.

### 5. Restricted Electives (3 hrs)
- engineering Science electives are available in the BSConE program to address specific student interests in a variety of technical areas. Students are encouraged to take one of the following as the technical elective. Other courses from the list of approved technical electives may be used with the approval of the department advisor. Students should consult with their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

**Select 1:**
- CWR 4101C Hydrology 3 hrs
- CWR 4203C Hydraulics 3 hrs
- EGN 3343 Thermodynamics 3 hrs
- EGN 3373 Principles of Electrical Engineering 3 hrs

### 6. Capstone Requirements (6 hrs)
- Required Senior Design Courses

**Take all of the following:**
- CCE 4810C Construction Design Project and GEP 3 hrs
- CCE 4801C Geotechnical Engineering Design 3 hrs

### 7. Foreign Language Requirements

#### Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

#### Graduation
- None

### 8. Electives
- None

### 9. Additional Requirements
- Construction engineering students must take the Fundamentals of Engineering (FE) Exam during their Senior year.

### 10. Required Minors
- None

### 11. Departmental Exit Requirements
- None

### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- A 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
- Civil Engineering
- Environmental Engineering

### Certificates
- None

### Related Minors
- Business
- Engineering Leadership
- Mathematics

#### Advising Notes
- Each engineering student is assigned a qualified engineering academic advisor in the department of his/her major. Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.
- The Construction Engineering program offers the opportunity for exceptionally well qualified undergraduates to enter directly into the PhD program after completion of an appropriate BS degree. This option allows outstanding undergraduates to begin planning a research program with a specific faculty advisor even before finishing the BS, and may allow completion of the PhD in a shorter time period than by taking a separate Master’s followed by the PhD.

#### Transfer Notes
- Courses taken from Community Colleges do not substitute for Upper Division Courses unless part of an articulated pre-engineering degree program.
- Courses transferred must be formally evaluated for equivalence and the student must provide all supporting information with his/her petition for this evaluation.
- EGN 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one hour for each) may, with prior approval of the department academic advisor, be moved to the Restricted Elective area.

#### Acceptable Substitutes for Transfer Courses
- None

### Plan of Study (128 hrs)

#### Freshman Year - Fall
- 14 hrs
- The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their departmental academic advisor to develop and maintain an appropriate plan of study.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>GEP</td>
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<tr>
<td>EGN 1006C</td>
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<tr>
<td>ENC 1101</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 2311</td>
<td>4 hrs</td>
</tr>
<tr>
<td>Select 1:</td>
<td>3 hrs</td>
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<tr>
<td>ECO 2013</td>
<td>3 hrs</td>
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<tr>
<td>ECO 2033</td>
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</table>

#### Freshman Year - Spring
- 15 hrs
- The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their departmental academic advisor to develop and maintain an appropriate plan of study.

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>GEP</td>
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<tr>
<td>EGN 1007C</td>
<td>1 hr</td>
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<tr>
<td>ENC 1102</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 2312</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PHY 2048C</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>
**UCF Degree Programs**

### Sophomore Year - Fall
- GEP
- CHM 2045C Chemistry Fundamentals I 4 hrs
- EGN 3310 Engineering Analysis-Statics 3 hrs
- EGR 3613 Engineering Economic Analysis 2 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs

### Sophomore Year - Spring
- CHM 2046 Chemistry Fundamentals II 3 hrs
- EGN 3310 Mechanics of Materials 3 hrs
- MAP 2302 Differential Equations 3 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs
- SPC 1603 Fundamentals of Technical Presentations 3 hrs

### Sophomore Year - Summer
- GEP 3 hrs
- ENV 3001 Introduction to Environmental Engineering 3 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs

### Junior Year - Fall
- GEP 3 hrs
- CES 4003 Introduction to the Construction Industry 3 hrs
- CES 4100C Structural Analysis I and Lab 4 hrs
- CEN 3501C Civil Engineering Materials 3 hrs
- EGN 3321 Engineering Analysis-Dynamics 3 hrs

### Junior Year - Spring
- Restricted Elective 3 hrs
- CCE 4004 Construction Methods 3 hrs
- CWR 3201 Engineering Fluid Mechanics 3 hrs
- SUR 2110C Surveying 3 hrs

### Senior Year - Fall
- ACG 2071 Principles of Managerial Accounting 3 hrs
- CCE 4402 Construction Equipment and Productivity 3 hrs
- CCE 4810C Construction Design Project 3 hrs
- CEG 4801C Geotechnical Engineering Design 3 hrs

### Senior Year - Spring
- ACG 2071 Principles of Managerial Accounting 3 hrs
- CCE 4402 Construction Equipment and Productivity 3 hrs
- CCE 4810C Construction Design Project 3 hrs
- CEG 4801C Geotechnical Engineering Design 3 hrs

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

### Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

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**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**

Mary Ann Eastep

Phone: 407-823-2603

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### Admission Requirements
- None

### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program before transferring within the Florida Public University/Community College System.
- The courses designated in section 1 below may be taken at a Florida Community College, and should usually be completed in the first 60 hours.
- Students must earn a minimum 2.0 overall GPA in the core requirements and the restricted electives.
- Students must earn a grade of C- (1.75) or better in each core course

1. **UCF General Education Program (GEP) (36 hrs)**
   - A: Communication Foundations (9 hrs)
   - B: Cultural & Historical Foundations (9 hrs)
   - C: Mathematical Foundations (6 hrs)
   - D: Social Foundations (6 hrs)
   - E: Science Foundations (6 hrs)

2. **Common Program Prerequisites (CPP) (0 hrs)**
   - None

3. **Core Requirements: Basic Level (0 hrs)**
   - None

4. **Core Requirements: Advanced Level (18 hrs)**
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   - CCJ 3014 Crime in America 3 hrs
   - CCJ 3024 Criminal Justice System 3 hrs
   - CCJ 4701 Research Methods in Criminal Justice 3 hrs
   - CJC 3010 Corrections and Penology 3 hrs
   - CJE 4014 Police and Society 3 hrs
   - CJS 3510 Prosecution and Adjudication 3 hrs

5. **Restricted Electives (42 hrs)**
   - 27 additional semester hours of upper division criminal justice course work. Seniors can satisfy up to six hours of this requirement with internship and up to six hours with directed independent study; however, the combination of these non-class options shall not exceed nine hours. Program standards must be met to be eligible for either internship or independent study credit.
15 additional semester hours of supporting courses to be selected from an approved list provided by the department. These courses may vary from student to student depending upon individual needs or objectives, but include selected courses from public administration, legal studies, sociology, statistics, and psychology. The supporting course requirements may also be met by completing a minor from another program approved by the department with a minimum of 15 semester hours credit.

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at college level. The foreign language credits may be used toward the 15 hour supporting course requirement.

8. Electives

- None

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- Students must take a minimum of 36 hours of upper-division CJ credit from the UCF Criminal Justice department to obtain the UCF degree in Criminal Justice.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

- 120

Honors In Major

- Interested students should consult with a faculty advisor.

Related Programs

- Legal Studies
- Certificates
- None

Related Minors

- Legal Studies
- Psychology
- Public Administration

Advising Notes

- None

Transfer Notes

- “D” (1.0) grades are not accepted.

Acceptable Substitutes for Transfer Courses

- None

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### Plan of Study

#### Freshman Year - Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ENC 1101</td>
<td>Composition I</td>
<td>3 hrs</td>
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<td>PAF 2102</td>
<td>Public Affairs Careers</td>
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<td>MAC 1105</td>
<td>College Algebra or</td>
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<td>MGF 1106</td>
<td>Finite Mathematics</td>
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<tbody>
<tr>
<td>ANT 2000</td>
<td>General Anthropology or</td>
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<tr>
<td>PSY 2012</td>
<td>General Psychology or</td>
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<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
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<td>U.S. History: 1492-1877 or</td>
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<tr>
<td>EUH 2000</td>
<td>Western Civilization I or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HUM 2210</td>
<td>Humanistic Tradition I</td>
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#### Freshman Year - Spring

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<tr>
<td>CGS 1060C</td>
<td>Introduction to Computer Science</td>
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<td>ENC 1102</td>
<td>Composition II</td>
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<td>CHM 1020</td>
<td>Concepts in Chemistry or</td>
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<td>PSC 1121</td>
<td>Physical Science</td>
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<td>MUL 2010</td>
<td>Enjoyment of Music or</td>
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</tr>
<tr>
<td>PHI 2010</td>
<td>Introduction to Philosophy</td>
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<tr>
<td>LIT 2110</td>
<td>World Literature I or</td>
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<tr>
<td>LIT 2120</td>
<td>World Literature II or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 2010</td>
<td>Introduction to Philosophy or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REL 2300</td>
<td>World Religions or</td>
<td>3 hrs</td>
</tr>
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<td>THE 2000</td>
<td>Theatre Survey</td>
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#### Sophomore Year - Fall

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<td>Fundamentals of Oral Communication</td>
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<tr>
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<td>U.S. History: 1877-Present or</td>
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<tr>
<td>EUH 2001</td>
<td>Western Civilization II or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HUM 2230</td>
<td>Humanistic Tradition II</td>
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#### Select 1:

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<th>Hours</th>
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<tbody>
<tr>
<td>AN 2511</td>
<td>The Human Species or</td>
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<tr>
<td>BSC 1005</td>
<td>Biological Principles or</td>
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<tr>
<td>GLY 1030</td>
<td>Geology and its Applications or</td>
<td>3 hrs</td>
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<tr>
<td>MCB 1310</td>
<td>Introduction to Biotechnology and Genetic Engineering or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSC 1121</td>
<td>Physical Science</td>
<td>3 hrs</td>
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#### Select 1:

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<th>Course Title</th>
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<tbody>
<tr>
<td>ECO 2013</td>
<td>Principles of Macroeconomics or</td>
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<td>POS 2041</td>
<td>American National Government</td>
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#### Sophomore Year - Spring

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<tr>
<td>Restricted Elective</td>
<td>Restricted Elective</td>
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<tr>
<td>Supporting Elective</td>
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<td>3 hrs</td>
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<tr>
<td>CCJ 3014</td>
<td>Crime in America</td>
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<tr>
<td>CCJ 3024</td>
<td>Criminal Justice System</td>
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#### Junior Year - Fall

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<td>Supporting Elective</td>
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<td>CCJ 3010</td>
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#### Junior Year - Spring

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<tr>
<td>Supporting Elective</td>
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</tr>
<tr>
<td>CCJ 4701</td>
<td>Research Methods in Criminal Justice</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CJE 4014</td>
<td>Police and Society</td>
<td>3 hrs</td>
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</tbody>
</table>
UCF Degree Programs

Senior Year - Fall 15 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs

Senior Year - Spring 12 hrs
- 1 Free Elective 3 hrs
- 1 Free Elective 3 hrs
- Supporting Elective 3 hrs
- Restricted Elective or CCJ Internship 3 hrs

1 If necessary

Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Criminal Justice- A.S. to B.S. (B.S.M.S.)
NOTE: For detailed information, see description of this program in the Statewide Articulated AS to BS Programs section.

Digital Media (B.A.)
College of Arts and Humanities
School of Visual Arts and Design, 12461 Research Parkway, 500 OTC
http://www.svad.ucf.edu
E-mail: svad@mail.ucf.edu
Phone: 407-823-6100

The B.A. in Digital Media allows students to integrate the multiple domains of art, storytelling, and technology. It is designed to provide a solid foundation in techniques and theory in one focused area of competence, provide a broad understanding of related disciplines including arts, humanities, and technology, and provide extended experience in working in multidisciplinary teams on realistic problems. The program is administered through the School of Visual Arts and Design with the College of Arts and Humanities. It recognizes that there are many combinations of courses which meet the needs of individual students. Two specializations - game design and web design - lead to a Bachelor of Arts degree. Note: Although the School of Visual Arts and Design maintains a computer lab for student use, majors must have continual access to a computer. Contact the UCF Computer Store or see the website (http://www.cstore.ucf.edu) for the minimum hardware and software specifications.

Admission Requirements

None

Degree Requirements

UCF students who change degree programs and select this major must adopt the most current catalog.

Students must earn at least a “C” (2.0) in each required course, except DIG 2000 as noted.

Residency requirement consists of at least 24 hours of regularly scheduled upper division course work taken in the School of Visual Arts and Design at UCF.

Co-op or internship credits are not permitted in this major without prior, written permission.

Students should see the School’s advisor prior to selecting this major, and at least annually thereafter.

1. UCF General Education Program (GEP) (37 hrs)

A: Communication Foundations (9 hrs)
- ARH 2050 History of Western Art I 3 hrs
- ARH 2051 History of Western Art II 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- ARH 2050 History of Western Art I and 3 hrs
- ARH 2051 History of Western Art II 3 hrs

Take all of the following: 6 hrs
- DIG 2000 Introduction to Digital Media 3 hrs
- DIG 2109C Digital Imaging Fundamentals 3 hrs
- DIG 2500C Fundamentals of Interactive Design 3 hrs

1 Required

C: Mathematical Foundations (7 hrs)
- COP 2500C Concepts in Computer Science 4 hrs
- MAC 1105 College Algebra 3 hrs

1 Required

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (9 hrs)
- ARH 2050 History of Western Art I GEP
- ARH 2051 History of Western Art II 3 hrs
- ART 2201C Design Fundamentals Two-Dimensional 3 hrs
- ART 2300C Drawing Fundamentals I 3 hrs
- COP 2500C Concepts in Computer Science GEP
- MAC 1105 College Algebra GEP

3. Core Requirements: Basic Level (12 hrs)

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

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

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

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: Basic Concentration 24 hrs
- COP 3223 Introduction to Programming with C and 3 hrs
- COP 3330 Object Oriented Programming and 3 hrs
- DIG 4630C Media Business Practices and 3 hrs
- DIG 4713 Game Design and 3 hrs
- DIG 4715C Game Production and 3 hrs
- DIG 4720C Casual Game Production and 3 hrs
- DIG 4725C Game Design Workshop 6 hrs

Game Design: Restricted Electives 18 hrs

Complete 18 hours of credits from the following areas:

12 Additional hrs of 3000 or 4000 level courses from ART, ARH, GRA, DIG or any 3000 or 4000 level courses approved by the school.

1 Required  MAC 1105 College Algebra 3 hrs

Web Design 42 hrs

Web Design: Basic Concentration 24 hrs
- DIG 3134 Media Software Design and 3 hrs
- DIG 3563 Information Management and 3 hrs
- DIG 3716C Internet Interaction and 3 hrs
- DIG 3811 User-Centered Design and 3 hrs
- DIG 4503 Rapid Application Web Development and 3 hrs
- DIG 4530C Media for e-Commerce and 3 hrs
- DIG 4630C Media Business Practices and 3 hrs
- GRA 3803C Intermediate Computer Graphic Design 3 hrs

Web Design: Restricted Electives 18 hrs

Complete 18 hours of credits from the following areas:

1 Note: DIG 4104C must be taken at least two times. It is repeatable for credit.

12 Additional hrs of 3000 or 4000 level courses from ART, ARH, GRA, DIG or any 3000 or 4000 level courses approved by the school.

1 Required  DIG 4104C Web Design Workshop 6 hrs
5. Restricted Electives (0 hrs)
- None

6. Capstone Requirements
- None

7. Foreign Language Requirements
Admissions
- Met by graduation requirement.
Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
- Electives may be taken in allied programs such as Art, Music, Philosophy, English, Film, the Nicholson School of Communication, Computer Science, etc. as approved by the School.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- None

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Art
- Computer Science
- English - Creative Writing
- English - Literature
- English - Technical Communication
- Film - Cinema Studies Track
- Music

Certificates
- None

Related Minors
- Art - Studio
- Computer Science
- English - Technical Communication
- Film - Cinema Studies
- Information Technology
- Music

Advising Notes
- None

Transfer Notes
- Grades less than 'C' (2.0) are not accepted.
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.o eas.ucf.edu/alc/academic_learning_compacts.htm

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

Digital Media - Visual Language Track (B.A.)
College of Arts and Humanities
School of Visual Arts and Design
http://www.dm.ucf.edu
Dr. Jose Maumez-Cuadra, 407-823-6100

The UCF School of Visual Art and Design allows students to integrate the multiple domains of art, storytelling, and technology. It is designed to provide a solid foundation in techniques and theory in one focused area of competence, provide a broad understanding of related disciplines including arts, humanities, and technology, and provide extended experience in working in multidisciplinary teams on realistic problems. The program is administered through the School of Visual Arts and Design with the College of Arts and Humanities. It recognizes that there are many combinations of courses which meet the needs of individual students. Note: Although the School maintains a computer lab for student use, Digital Media majors must have continual access to a computer. Contact the UCF Computer Store or see the website (http://www.cstore.ucf.edu) for the minimum hardware and software specifications.

Admission Requirements
- None

Degree Requirements
- UCF students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a “C” (2.0) in each required course, except DIG 2000 as noted.
- Residency requirement consists of at least 24 hours of regularly scheduled upper division course work taken in the School of Visual Arts and Design.
- Co-op or internship credits are not permitted in this major without prior, written permission.
- Students should see the School’s advisor prior to selecting this major, and at least annually thereafter.

1. UCF General Education Program (GEP) (37 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)

   Take all of the following:
   - Required ARH 2050 History of Western Art I and 3 hrs
   - Required ARH 2051 History of Western Art II 3 hrs

   Select one additional course from approved list 3 hrs

2. Mathematical Foundations (7 hrs)
   - Required COP 2500C Concepts in Computer Science 4 hrs
   - Required MAC 1105 College Algebra 3 hrs
   - 1 Required (May substitute more advanced version)

3. Social Foundations (6 hrs)
4. Science Foundations (6 hrs)
UCF Degree Programs

2. Common Program Prerequisites (CPP) (9 hrs)
   - ARH 2050 History of Western Art I GEP
   - ARH 2051 History of Western Art II 3 hrs
   - ART 2201C Design Fundamentals-Two Dimensional 3 hrs
   - ART 2300C Drawing Fundamentals I 3 hrs
   - COP 2500C Concepts in Computer Science GEP
   - MAC 1105 College Algebra GEP

3. Core Requirements: Basic Level (12 hrs)
   - Admission to all courses after DIG 2000 is dependent on the student's achieving at least a "B" (3.0) in DIG 2000.
   - DIG 2000 Introduction to Digital Media 3 hrs
   - DIG 2030C Digital Video Fundamentals 3 hrs
   - DIG 2109C Digital Imaging Fundamentals 3 hrs
   - DIG 2500C Fundamentals of Interactive Design 3 hrs

4. Core Requirements: Advanced Level (51 hrs)
   - DIG 3024 Digital Cultures & Narrative 3 hrs
   - DIG 3490C Computer as a Medium 3 hrs
   - DIG 3525 Digital Media Production I 3 hrs
   - DIG 4780C Modeling for Realtime Systems 3 hrs

Visual Language Core 15 hrs
   - ART 3643C Digital Effects & Compositing 3 hrs
   - DIG 3951 Visual Language Portfolio Review 0 hrs
   - DIG 4325C Look Modeling Workshop 3 hrs
   - DIG 4326C Geometrical Modeling Workshop 3 hrs
   - FIL 3720C Introduction to Animation 3 hrs
   - FIL 3734C Intermediate Animation 3 hrs

Visual Language - Basic Concentration 24 hrs
   - DIG 3355C Artificial Environments and Effects 3 hrs
   - DIG 3433C Visual Storytelling and Visual Development 3 hrs
   - DIG 4206C New Imagery in Motion Workshop 3 hrs
   - DIG 4359C Artificial Environments and Effects Workshop 3 hrs
   - DIG 4394C Motion Graphics: Advanced Compositing 3 hrs
   - DIG 4434C Narrative Techniques in the Moving Image Workshop 3 hrs
   - DIG 4451C Visual Storytelling and Visual Development Workshop 3 hrs
   - DIG 4486C Visual Language of Moving Image II 3 hrs

5. Restricted Electives (7 hrs)
   - Character Animation - Restricted Electives
     - Complete 7 hours from the following areas:
       - ART, ARH, GRA, DIG or any 3000 or 4000 level courses approved by Digital Media and Applied Arts

6. Capstone Requirements
   - None

7. Foreign Language Requirements

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 Digital Media.

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - None

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed

   ■ 30 of the last 39 hours of course work must be completed in residency at UCF
   ■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
   ■ Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
   - 120

Honors In Major
   - None

Related Programs
   - Art
   - Computer Science
   - English - Creative Writing
   - English - Literature
   - English - Technical Communication
   - Film - Cinema Studies Track
   - Music

Certificates
   - None

Related Minors
   - Art - Studio
   - Computer Science
   - English - Technical Communication
   - Film - Cinema Studies
   - Information Technology
   - Music

Advising Notes
   - None

Transfer Notes
   - Grades less than “C” (2.0) are not accepted.
   - Courses taken at community colleges do not substitute for upper division courses.
   - Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
   - None

Plan of Study
   - None

Program Academic Learning Compacts
   - Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oias.ucf.edu/alacademic_learning_compacts.htm

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

Early Childhood Development and Education Track
1: Education: Pre-Kindergarten - Primary (PK-3)
(B.S.)

College of Education
Department of Child, Family and Community Sciences, Education Building, Room: 209
http://education.ucf.edu/ece/
E-mail: ece@mail.ucf.edu
Dr. Judy Levin, ED 122L, jlevin@mail.ucf.edu
Phone: 407-823-4615

EDUCATION: PRE-KINDERGARTEN-PRIMARY (PK-3) TRACK
Early Childhood Development and Education majors take a
variety of courses related to young children and their learning, development, and family environment. Students in the Education: Pre-Kindergarten-Primary (Pre-K-3rd) Track are working toward teacher certification in Pre-Kindergarten-Primary (PK-3) with ESOL Endorsement and Reading Endorsement. Students in this track take a series of core and specialization courses to prepare them to teach in the schools and to demonstrate mastery of the Florida Educator Accomplished Practices (FEAP). Early and continuous field experiences are provided to enhance the students in this track with an integration of theory and practice in school settings. Throughout the program, students document and reflect upon their accomplishments in a Professional Portfolio, which is continuously reviewed by faculty. This degree culminates in a semester-long internship.

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university.
- Have a minimum 2.75 overall GPA, with provisional acceptance for one semester if GPA is 2.5 (GPA must be 2.75 by the second semester).
- Pass all four parts of the General Knowledge Test and CLAS requirement (no alternatives or waivers are accepted).
- Meet the Gordon Rule Requirement.
- Meet Foreign Language Admission Requirement.

Degree Requirements
- Students must seek advising through the Early Childhood Development and Education staff in the Education Complex, Suite 122 or by e-mail (ece@mail.ucf.edu) prior to registering for classes.
- The courses designated in 1. (General Education) and 2. (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- Students must earn a “C” (2.0) or better in each required Early Childhood Development and Education course. However, a minimum overall 2.75 GPA in all courses within the major is required.
- Passing score on ALL three sections of the Florida Teacher Certification Examination (FTCE). See http://www.fldoe.org for available test dates and test sites. FTCE General Knowledge Test (GKT)-(if CLAS was used for admission) passing scores on the GKT is strongly recommended during semester 1 of the junior year and required at the time of application to EEC 4235C Seminar Course. FTCE Professional Education Test (PEd) and Subject Area Examination (SAE-Prekindergarten/Primary PK-3) - passing scores strongly recommended prior to application for Internship.
- FTCE General Knowledge Test (GKT) - (if CLAS was used for admission) passing scores on the GKT is strongly recommended prior to semester 1 of the junior year and required for admission into the Early Childhood Development and Education, Track 1-Education: Pre-Kindergarten-Primary (Pre-K-3rd).
- FTCE Professional Education Test (PEd) and Subject Area Examination (SAE-Prekindergarten/Primary PK-3) - passing scores strongly recommended prior to application for Internship.
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. UCF General Education Program (GEP) (36 hrs)
- Students are advised to take the preferred courses.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- General Education Program elective from section B2: 3 hrs
- Prefer LIT 2110 World Literature I or 3 hrs
- Prefer LIT 2120 World Literature II or 3 hrs
- Prefer PHI 2010 Introduction to Philosophy or 3 hrs
- Prefer REL 2300 World Religions 3 hrs

General Education Program elective from section B1 3 hrs
- General Education Program elective: Prefer a second course from GEP section B1 3 hrs

C: Mathematical Foundations (6 hrs)
- Select 1: 3 hrs
- Prefer STA 1060C Basic Statistics Using Microsoft Excel or 3 hrs
- Prefer STA 2014C Principles of Statistics 3 hrs
- Select 1: 3 hrs
- Suggested MGF 1106 Finite Mathematics or 3 hrs
- Suggested MGF 1107 Explorations in Mathematics 3 hrs

D: Social Foundations (6 hrs)
- Prefer POS 2041 American National Government 3 hrs
- 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.
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs

1 In addition to this course, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

3. Core Requirements: Basic Level (15 hrs)

Other Program Prerequisites
- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- EDF 2720 Children in Schools: Legal, Ethical and Safety Concerns 3 hrs
- EEC 4731 Health, Safety, and Nutrition for Young Children 3 hrs

Select 1: 3 hrs
- Prefer MAC 1105 College Algebra or 3 hrs
- MAE 2801 Elementary School Mathematics 4 hrs

Select 1: 3 hrs
- Prefer ARE 2000 Early Childhood Art and Creativity or 3 hrs
- MUE 2211 Early Childhood Music and Movement 3 hrs

1 Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

4. Core Requirements: Advanced Level (60 hrs)
- All methods/specialization/foundations courses must be completed with a letter grade of “C” (2.0) or better before registering for Internship. However, a minimum GPA of 2.75 is required in the professional, specialization and overall for admission to Internship.
### UCF Degree Programs

#### Semester I
- **Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required prior to application to EEC 3930C Seminar Course.**
  - EEC 3700 Social and Emotional Development of Young Children 3 hrs
  - EEC 4661 Early Childhood Education Theory and Practice 3 hrs
  - EEX 4751 Parent Involvement in Education 3 hrs
  - RED 3310 Early Reading, Writing and Language Arts 3 hrs
  - TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

**Total Semester Hours Required**: 15 hrs

#### Semester II
- **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 4207 Assessment and Evaluation of Young Children 3 hrs
  - EEC 4268 Curriculum Activities in Early Childhood 3 hrs
  - EEC 4604 Classroom Management and Guidance of Young Children 3 hrs
  - EEX 3450 Young Children With Special Needs 3 hrs
  - TSL 4240 Issues in Second Language Acquisition 3 hrs

**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

**Total Semester Hours Required**: 15 hrs

#### Semester III
- **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).**
  - EEC 4235C Early Childhood Education Seminar: Bridging Theory to Practice 3 hrs
  - MAE 4300 Math Curriculum and Assessment in Early Childhood 3 hrs
  - RED 4311 Primary Reading, Writing, and Language Arts Curriculum and Assessment 3 hrs
  - SCE 4304 Teaching Science and Technology to Young Children 3 hrs

**Total Semester Hours Required**: 12 hrs

#### Semester IV
- **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

**Total Semester Hours Required**: 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 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**
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- ENC 1101 Composition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- PSY 2012 General Psychology 3 hrs

**Freshman Year - Spring**
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- ENC 1102 Composition II 3 hrs
- MAC 1105 College Algebra 3 hrs
- PSC 1121 Physical Science 3 hrs

**Select 1**: 3 hrs
- LIT 2110 World Literature I or 3 hrs
- LIT 2120 World Literature II or 3 hrs
- PHI 2010 Introduction to Philosophy or 3 hrs
- REL 2300 World Religions 3 hrs

### Plan of Study

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<th>Semester</th>
<th>Course Code</th>
<th>Course Title</th>
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<td>EEC 3700</td>
<td>Social and Emotional Development of Young Children</td>
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<td>EEC 4661</td>
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<td>EEX 4751</td>
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<td>3 hrs</td>
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<td>RED 3310</td>
<td>Early Reading, Writing and Language Arts</td>
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<td>TSL 4240</td>
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<td>REL 2300</td>
<td>World Religions</td>
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</table>
Freshman Year - Summer
- POS 2041 American National Government 3 hrs

Select 1:
- ARE 2000 Early Childhood Art and Creativity or 3 hrs
- MUE 2211 Early Childhood Music and Movement 3 hrs

Sophomore Year - Fall
- EME 2040 Introduction to Technology for Educators 3 hrs
- SCE 1808 Fundamentals of Oral Communication 3 hrs

Select 1:
- ANT 2000 The Human Species or 3 hrs
- BSC 1055 Biological Principles 3 hrs

Select 1:
- STA 1060C Basic Statistics Using Microsoft Excel or 3 hrs
- STA 2014C Principles of Statistics 3 hrs

Sophomore Year - Spring
- 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
- GEP B1 Elective (Prefer AMH 2010) 3 hrs

Sophomore Year - Summer
- EEC 3092 Child Development 3 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
- TCL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

Junior Year - Fall
- EEE 4207 Assessment and Evaluation of Young Children 3 hrs
- EEC 4268 Curriculum Activities in Early Childhood 3 hrs
- EEC 4604 Classroom Management and Guidance of Young Children 3 hrs
- EEX 4751 Young Children With Special Needs 3 hrs
- TCL 4240 Issues in Second Language Acquisition 3 hrs

Junior Year - Summer
- EEC 4235C Early Childhood Education Seminar: Bridging Theory to Practice 3 hrs
- MAE 3000 Teaching Science and Technology to Young Children 3 hrs
- RED 3111 Primary Reading, Writing, and Language Arts Curriculum and Assessment 3 hrs
- SCE 4304 Teaching Science and Technology to Young Children 3 hrs

Senior Year - Spring
- 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.oecs.ucf.edu/alc/academic_learning_compacts.htm

Early Childhood Development and Education Track
2: Early Childhood Development (B.S.)
College of Education
Department of Child, Family and Community Sciences, Education Complex, Room: 209
http://education.ucf.edu/ece/
E-mail: ece@mail.ucf.edu
Dr. Judy Levin, 122L, jlevin@mail.ucf.edu
Phone: 407-823-4615

EARLY CHILDHOOD DEVELOPMENT TRACK Early Childhood Development majors take a variety of courses related to young children and their learning, development, and family environment. Students take a series of core and specialization courses to prepare them to work with children, parents, and families in a variety of settings. Students in this program will be trained in first aid and CPR and earn a CPR certification. Throughout the program, students document and reflect upon their accomplishments in a Professional Portfolio, which is continuously reviewed by faculty. This degree culminates in a semester-long practicum.

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university.
- Meet the CLAS requirement.
- Have a minimum 2.75 overall GPA, with provisional acceptance for one semester if GPA is 2.5 (GPA must be 2.75 by the second semester).
- Complete Child Development prerequisite courses with a minimum letter grade of “C” (2.0) or better.
- Meet the Gordon Rule Requirement.
- Meet Foreign Language Admission Requirement.

Degree Requirements
- Students must seek advising through the Early Childhood Development and Education staff in the Education Complex, Suite 122 or by e-mail (ece@mail.ucf.edu) prior to registering for classes.
- The courses designated in 1. (General Education) and 2. (Prerequisites) should be completed prior to admission to the major and upper division education courses.
- Students must earn a “C” (2.0) or better in each required Early Childhood Development and Education course. However, a minimum overall 2.75 GPA in all courses within the major is required.

1. UCF General Education Program (GEP) (36 hrs)
- Students are advised to take the preferred courses.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1808 Fundamentals of Oral Communication 3 hrs
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<tr>
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<tbody>
<tr>
<td>Prefer LIT 2110 World Literature I or</td>
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<tr>
<td>Prefer LIT 2120 World Literature II or</td>
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<td>Prefer PHL 2010 Introduction to Philosophy or</td>
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<td>Prefer REL 2000 World Religions</td>
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General Education Program elective from section B1 to meet Gordon Rule Requirement.
General Education Program elective: Prefer a second course from GEP section B1.

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<td>Prefer STA 1060C Basic Statistics Using Microsoft Excel or</td>
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<td>Prefer STA 2014C Principles of Statistics</td>
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<table>
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<tr>
<td>Prefer PSY 2012 General Psychology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>E: Science Foundations</th>
<th>(6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prefer PSC 1112 Physical Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Select 1:</td>
<td></td>
</tr>
<tr>
<td>Prefer ANT 2511 The Human Species or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Prefer BSC 1005 Biological Principles</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

2. Common Program Prerequisites (CPP)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- Developmental Psychology
- EDF 2004 Developmental Psychology
- EDF 2085 Introduction to Diversity for Educators | 3 hrs |

3. Core Requirements: Basic Level
- (18 hrs)
- ARG 2000 Early Childhood Art and Creativity | 3 hrs |
- MUE 2211 Early Childhood Music and Movement | 3 hrs |
- SYG 2010 Social Problems | 3 hrs |

Select 1: | 3 hrs |
- EDF 2130 Child and Adolescent Development for Educators or | 3 hrs |
- SOW 3104 Assessing: I: Human Development | 3 hrs |

Select two electives- Meet with advisor for guidance in selecting electives | 6 hrs |

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 | 15 hrs |
- EEC 4661 Early Childhood Education Theory and Practice | 3 hrs |
- EX 4751 Parent Involvement in Education | 3 hrs |
- LIN 3716 Language Development | 3 hrs |
- RED 3210 Early Reading, Writing and Language Arts | 3 hrs |

Semester II
- EEC 4207 Assessment and Evaluation of Young Children | 15 hrs |
- EEC 4604 Classroom Management and Guidance of Young Children | 3 hrs |
- EEX 3450 Young Children With Special Needs | 3 hrs |
- LAE 3414 Literature for Children | 3 hrs |
- PET 4050 Motor Development and Learning | 3 hrs |
### Honors In Major
- None

### Related Programs
- None

### Certificates
- None

### Related Minors
- None

### Advising Notes
- In addition to EDF 2085, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

### Transfer Notes
- Courses taken at community colleges may substitute for select courses in prerequisites with the permission of the department.

### Acceptable Substitutes for Transfer Courses
- None

### Plan of Study
- **Note:** This recommended sequence may vary at selected regional campus locations. Consult with your Education advisor and review your degree audit for more recent information.

#### Freshman Year - Fall
- EDF 2085 Introduction to Diversity for Educators \(3 \text{ hrs}\)
- ENC 1101 Composition I \(3 \text{ hrs}\)
- MGF 1106 Finite Mathematics \(3 \text{ hrs}\)
- Select Elective if needed \(3 \text{ hrs}\)

#### Freshman Year - Spring
- ENC 1102 Composition II \(3 \text{ hrs}\)
- PSC 1121 Physical Science \(3 \text{ hrs}\)
- PSY 2012 General Psychology \(3 \text{ hrs}\)
- SYG 2010 Social Problems \(3 \text{ hrs}\)
- Select 1: LIT 2110 World Literature I or \(3 \text{ hrs}\)
- LIT 2120 World Literature II or \(3 \text{ hrs}\)
- PHI 2010 Introduction to Philosophy or \(3 \text{ hrs}\)
- REL 2300 World Religions \(3 \text{ hrs}\)

#### Freshman Year - Summer
- ARE 2000 Early Childhood Art and Creativity \(3 \text{ hrs}\)
- MUE 2211 Early Childhood Music and Movement \(3 \text{ hrs}\)

#### Sophomore Year - Fall
- Transfer Note: Courses taken at community colleges may substitute for select courses with the permission of the department.
- SPH 1608 Fundamentals of Oral Communication \(3 \text{ hrs}\)
- Select 1: ANT 2511 The Human Species or \(3 \text{ hrs}\)
- BSC 1005 Biological Principles \(3 \text{ hrs}\)
- STA 1060C Basic Statistics Using Microsoft Excel or \(3 \text{ hrs}\)
- STA 2014C Principles of Statistics \(3 \text{ hrs}\)
- GEP B1 elective (Preferred AMH 2010) \(3 \text{ hrs}\)
- Select Elective if needed \(3 \text{ hrs}\)

#### Sophomore Year - Spring
- DEP 2004 Developmental Psychology \(3 \text{ hrs}\)
- EDF 2130 Child and Adolescent Development for Educators \(3 \text{ hrs}\)
- POS 2041 American Government \(3 \text{ hrs}\)
- GEP B3 elective \(3 \text{ hrs}\)

#### Sophomore Year - Summer
- Note: Student must meet CLAS requirement for admission to the program and thus must be completed prior to the Junior Year. Refer to http://www.fldoe.org for test dates and sites.

### UCF Degree Programs

#### Economics (B.A.)

**College of Business Administration**

**Department of Economics, Business Administration II, Room: 305**

[http://www.bus.ucf.edu/economics](http://www.bus.ucf.edu/economics)

Michael Caputo, BA 302Q, mcaputo@bus.ucf.edu, 407-823-1405

Nora Underwood, BA 302N, 407-823-1403

David Scrogin, BA 302U, 407-823-1405

Phone: 407-823-3266

The Bachelor of Arts in Economics is designed for students who wish to receive specialized training in Economics within a broad liberal arts education.

Several flexible tracks allow students to customize their education to their personal interests and career goals.

These tracks can be coupled with a minor from many different Colleges to create a unique program for each student. An Economics degree provides skills and training for careers in business, law, government, politics, teaching, research, and a variety of other areas. This degree also provides a strong foundation for future graduate studies in business, economics, law and public administration. Successful completion of this program leads to the Bachelor of Arts degree with a major in Economics.

Not eligible for a double degree with the BSBA in Economics.

#### Admission Requirements
- None

#### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog requirements.
- Students should consult with the major advisor for the Department.
- General Education Program and Common Program
- Prerequisite courses are normally 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  3 hrs

B: Cultural & Historical Foundations  (9 hrs)

C: Mathematical Foundations  (6 hrs)
1 Required  MAC 1140 Pre-Calculus Algebra  3 hrs
Required  STA 2023 Statistical Methods I  3 hrs

1 or Calculus

D: Social Foundations  (6 hrs)
Select 1:
Suggested  ECO 2013 Principles of Macroeconomics or  3 hrs
Suggested  ECO 2023 Principles of Microeconomics  3 hrs

Select 1:
Suggested  ANT 2000 General Anthropology or  3 hrs
Suggested  PSY 2012 General Psychology or  3 hrs
Suggested  SYG 2000 Introduction to Sociology  3 hrs

E: Science Foundations  (6 hrs)

2. Common Program Prerequisites (CPP)  (3 hrs)
See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
ECO 2013 Principles of Macroeconomics  GEP
ECO 2023 Principles of Microeconomics  3 hrs

3. Core Requirements: Basic Level  (0 hrs)

4. Core Requirements: Advanced Level  (16 hrs)
ECO 3101 Intermediate Microeconomics  3 hrs
ECO 3203 Intermediate Macroeconomics  3 hrs
ECO 4451 Research Methods in Economics  3 hrs

Select one of the following sequences of courses:
Students must receive a “C” (2.0) or better in MAC 2233 and STA 2023 to be waived from ECO 3401.
MAC 2233 Concepts of Calculus and  3 hrs
STA 2023 Statistical Methods I  3 hrs
or
ECO 3401 Quantitative Business Tools I  3 hrs
Select one of the following sequences of courses:
STA 4163 Statistical Methods II  3 hrs
or
STA 4321 Statistical Theory I  3 hrs
or
ECO 3411 Quantitative Business Tools II  4 hrs

5. Restricted Electives  (18 hrs)
All B.A. Economics majors will be required to take six (6) electives by choosing one of the following tracks:

Pre-Law Track  18 hrs
ECO 4303 History of Economic Thought and 3 hrs
ECO 4751 Law and Economics and 3 hrs
ECP 4403 Industrial Organization and Game Theory and 3 hrs
Select any other three 3000 - 4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major and this track’s restricted elective courses.

Political Economy Track  18 hrs
ECO 4303 History of Economic Thought and 3 hrs
ECO 4504 Public Economics and 3 hrs
ECS 4013 Development Economics and 3 hrs
Select any other three 3000 - 4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major and this track’s restricted elective courses. For double majors in Political Science, two of these electives can be selected from Political Science with advisor’s approval.

Private Enterprise Track  18 hrs
ECO 3223 Money and Banking and 3 hrs
ECP 3203 Labor Economics and 3 hrs
ECP 4403 Industrial Organization and Game Theory and 3 hrs
Select any other three 3000 - 4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major and this track’s restricted elective courses.

International Track  18 hrs
ECO 3703 International Microeconomics and 3 hrs
ECO 4713 International Macroeconomics and 3 hrs
ECS 4013 Development Economics and 3 hrs
Select any other three 3000 - 4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major and this track’s restricted elective courses.

Economics of Governmental Regulation  18 hrs
ECO 4504 Public Economics and 3 hrs
ECP 3203 Labor Economics and 3 hrs
ECP 4303 Environmental and Natural Resource Economics and 3 hrs
Select any other three 3000 - 4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major and this track’s restricted elective courses.

General Track  18 hrs
It is possible to have a double track; however, only the first designated track will show on the transcript.
Select any six 3000 - 4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major courses. Two of these electives can be selected from a related discipline with advisor’s approval.

For those students interested in preparing for graduate school in Economics and other graduate studies, the following courses are strongly recommended:
ECO 3410 Mathematical Economics 3 hrs
ECO 3703 International Microeconomics 3 hrs
ECO 4412 Econometrics 3 hrs
ECO 4504 Public Economics 3 hrs
ECP 4403 Industrial Organization and Game Theory 3 hrs

6. Capstone Requirements
None

7. Foreign Language Requirements

Admissions
Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement

8. Electives
Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
None

10. Required Minors
Students may select a minor from any of the authorized minors listed in the UCF Undergraduate Catalog. Students are strongly encouraged to consult with an advisor about the choice of a minor that is compatible with their career interests.
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 - Accelerated Undergraduate-Graduate Program
■ 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
ENC 1101 Composition I 3 hrs
1 MAC 1140 Pre-Calculus Algebra 3 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs
1 (or Calculus)

Freshman Year - Spring 15 hrs
1 ECO 2023 Principles of Microeconomics 3 hrs
1 ENC 1102 Composition II 3 hrs
1 STA 2023 Statistical Methods I 3 hrs
1 “C” (2.0) or better grade required in each class

Sophomore Year - Fall 15 hrs
Foreign Language 3 hrs
1 ECO 2013 Principles of Macroeconomics 3 hrs
2 ECO 3401 Quantitative Business Tools I 3 hrs
1 “C” (2.0) or better grade required in each class
2 (If no prior Calculus)

Sophomore Year - Spring 15 hrs
Foreign Language 3 hrs
1 ECO 2013 Principles of Macroeconomics 3 hrs
2 ECO 3401 Quantitative Business Tools I 3 hrs
1 “C” (2.0) or better grade required in each class

Junior Year - Fall 15 hrs
ECO Elective 3 hrs
1 Elective / Minor 3 hrs
Free Elective 3 hrs
ECO 3203 Intermediate Macroeconomics 3 hrs
1 ECO 3411 Quantitative Business Tools II 4 hrs

Sophomore Year - Spring 15 hrs
ECO Elective 3 hrs
ECO Elective 3 hrs
1 Elective / Minor 3 hrs
1 Elective / Minor 3 hrs
Free Elective 3 hrs

Junior Year - Spring 15 hrs
ECO Elective 3 hrs
1 Elective / Minor 3 hrs
Free Elective 3 hrs
Free Elective 3 hrs
ECO 3203 Intermediate Macroeconomics 3 hrs
1 ECO 3411 Quantitative Business Tools II 4 hrs

Senior Year - Fall 15 hrs
1 Elective / Minor 3 hrs
Free Elective 3 hrs
Free Elective 3 hrs
Free Elective 3 hrs
3 hrs

Senior Year - Spring 15 hrs
1 Elective / Minor 3 hrs
Free Elective 3 hrs
Free Elective 3 hrs
Free Elective 3 hrs
ECO 3203 Intermediate Macroeconomics 3 hrs
1 ECO 4451 Research Methods in Economics 3 hrs

Junior Year - Fall 15 hrs
ECO 3101 Intermediate Microeconomics 3 hrs

1 18 hours (minimum) of minor required.
2 (or STA 4163 or STA4321)

Junior Year - Spring 15 hrs

Senior Year - Fall 15 hrs

Senior Year - Spring 15 hrs

Program Academic Learning Compacts
■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fees
■ Part-Time Student: $15 per term
■ Full-Time Student: $30 per term

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, BA2 302Q, mcaputo@bus.ucf.edu, 407-823-1405
David Scrogin, BA2 302U, 407-823-4129
Nora Underwood, BA2 302N, 407-823-1403
Phone: 407-823-3266

The Business Economics major for the Bachelor of Science in Business Administration is designed for students who wish to receive specialized training in Economics along with core skills in business administration. Several flexible tracks allow students to customize their education to their personal interests and career goals. This degree provides skills and training for careers in business and industry, law, government, politics, teaching, research, and a variety of other areas. This degree also provides a strong foundation for future graduate studies in business, economics, law and public administration. Successful completion of this program leads to the Bachelor of Science in Business Administration degree with a major in Economics.
UCF Degree Programs

Admission Requirements
- See Common Program Prerequisites
- Completion of the UCF General Education program, Gordon Rule, and CLAS or an AA degree from a Florida Public Community College

Degree Requirements
- Not eligible for a double degree with another College of Business Administration major or a BA in Economics

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

A: Communication Foundations (9 hrs)
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)
- Required CGS 2100C Computer Fundamentals for Business 3 hrs
- Required MAC 1140 Pre-Calculus Algebra 3 hrs

D: Social Foundations (6 hrs)

Select 1:
- Suggested ECO 2013 Principles of Macroeconomics or 3 hrs
- Suggested ECO 2023 Principles of Microeconomics 3 hrs

Select 1:
- Suggested ANT 2000 General Anthropology or 3 hrs
- Suggested PSY 2102 General Psychology or 3 hrs
- Suggested SYG 2000 Introduction to Sociology 3 hrs

E: Science Foundations (6 hrs)

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 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 MAC 2233 and STA 2023 to be waived from ECO 3401

ECO 3401 Quantitative Business Tools I 3 hrs
or
MAC 2233 Concepts of Calculus and Statistical Methods I 3 hrs
STA 2023

1 or any Calculus 1 & 2 sequence

3. Core Requirements: Basic Level (0 hrs)
- None

4. Core Requirements: Advanced Level (32 hrs)

BUL 3130 Legal and Ethical Environment of Business 4 hrs
ECO 3411 Quantitative Business Tools II 4 hrs
FIN 3403C Business Finance 4 hrs
1 GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
GEB 3375 Introduction to International Business 4 hrs
ISM 3011C Essentials of Management Information Systems 4 hrs
MAN 3025 Management of Organizations 4 hrs
MAR 3023 Marketing 4 hrs

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

Required Major Courses 9 hrs
- ECO 3101 Intermediate Microeconomics 3 hrs
- ECO 3203 Intermediate Macroeconomics 3 hrs
- ECO 4451 Research Methods in Economics 3 hrs

5. Restricted Electives (15 hrs)
- All B.S.B.A. economics majors will be required to take five (5) electives by choosing one of the following tracks:

BUSINESS ECONOMICS TRACK 15 hrs
ECO 3223 Money and Banking 3 hrs
ECO 3203 Labor Economics 3 hrs
ECP 4403 Industrial Organization and Game Theory 3 hrs
Select any other two 3000-4000 level ECO, ECS, or ECP courses (including ECO 4941) other than the required major and this track’s restricted elective courses

INTERNATIONAL TRACK 15 hrs
ECO 3703 International Macroeconomics 3 hrs
ECO 4713 International Microeconomics 3 hrs
ECS 4013 Development Economics 3 hrs
Select any other two 3000-4000 level ECO, ECS, or ECP courses (including ECO 4941) other than the required major and this track’s restricted elective courses

PRE-LAW TRACK 15 hrs
ECO 4751 Law and Economics 3 hrs
ECP 3203 Labor Economics 3 hrs
ECP 4403 Industrial Organization and Game Theory 3 hrs
Select any other two 3000-4000 level ECO, ECS, or ECP courses (including ECO 4941) other than the required major and this track’s restricted elective courses

FINANCIAL ECONOMICS TRACK 15 hrs
ECO 4504 Public Economics 3 hrs
ECP 3203 Labor Economics 3 hrs
ECP 4303 Environmental and Natural Resource Economics 3 hrs
Select any other two 3000-4000 level ECO, ECS, or ECP courses (including ECO 4941) other than the required major and this track’s restricted elective courses

ECONOMICS OF GOVERNMENTAL REGULATION 15 hrs
ECO 4504 Public Economics 3 hrs
ECP 3203 Labor Economics 3 hrs
ECP 4303 Environmental and Natural Resource Economics 3 hrs
Select any other two 3000-4000 level ECO, ECS, or ECP courses (including ECO 4941) other than the required major and this track’s restricted elective courses

GENERAL TRACK 17 hrs
Select any five 3000 - 4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major courses. One of these electives can be selected from a related discipline with advisor’s approval.
- It is possible to have a double track; however, only the first designated track will appear on the transcript.
- For students interested in preparing for graduate school in Economics and other graduate studies, the following courses are strongly recommended:

ECO 3401 Quantitative Business Tools I 3 hrs
ECO 3703 International Macroeconomics 3 hrs
ECO 4412 Econometrics 3 hrs
ECO 4504 Public Economics 3 hrs
ECP 4403 Industrial Organization and Game Theory 3 hrs

For students interested in preparing for graduate school in Economics and other graduate studies, the following courses are strongly recommended:

ECO 3410 Mathematical Economics 3 hrs
ECO 3703 International Microeconomics 3 hrs
ECO 4412 Econometrics 3 hrs
ECO 4504 Public Economics 3 hrs
ECP 4403 Industrial Organization and Game Theory 3 hrs

6. Capstone Requirements (4 hrs)

MAN 4720 Strategic Management 4 hrs
- This course should be taken in the graduating term and requires the following prerequisites:

FIN 3403C Business Finance 4 hrs
GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
MAN 3025 Management of Organizations 4 hrs
MAR 3023 Marketing 4 hrs
7. Foreign Language Requirements
Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- Variable

9. Additional Requirements
- Special College and/or Departmental Requirements
- Must complete all Gordon Rule and CLAS requirements, prior to admission to this degree.
- Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.
- Final exams will be given during Exam Week.
- Students must have at least a 2.0 GPA in the COB and major.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Students majoring in Business Economics must earn a grade of “C” (2.0) or better in each ECO, ECP, ECS course and in each course applied towards the major as well as a 2.0 overall average in the major.

10. Required Minors
- None

11. Departmental Exit Requirements
- None

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
120

Honors In Major
- None

Related Programs
- Economics
- Economics - Accelerated Undergraduate-Graduate Program

Certificates
- None

Related Minors
- None

Advising Notes
- Florida Public Community College students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

Transfer Notes
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of “C” (2.0) or higher transfer into the program and students must have a “C”(2.0) or better in each common program prerequisites class.

Acceptable Substitutes for Transfer Courses
- ACG 2021- Principles of Financial Accounting may be substituted with ACG X001 and ACG X011.

Plan of Study
- Business Economics

Freshman Year - Fall 15 hrs
1 ENC 1101 Composition I 3 hrs
1 MAC 1140 Pre-Calculus Algebra 3 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs

1 “C” (2.0) or better grade required in each class
2 (or Calculus). “C” (2.0) or better grade required in each class

Freshman Year - Spring 15 hrs
1 GCS 2100C Computer Fundamentals for Business 3 hrs
2 ECO 2023 Principles of Microeconomics 3 hrs
1 ENC 1102 Composition II 3 hrs

1 “C” (2.0) or better grade required in each class
2 (if no Calculus & Statistics) “C” (2.0) or better grade required in each class

Sophomore Year - Fall 15 hrs
1 ECO 2013 Principles of Macroeconomics 3 hrs
2 ECO 3401 Quantitative Business Tools I 3 hrs

1 “C” (2.0) or better grade required in each class
2 (if no Calculus & Statistics) “C” (2.0) or better grade required in each class

Sophomore Year - Spring 15 hrs
1 ACG 2071 Principles of Managerial Accounting 3 hrs
ECO 3101 Intermediate Microeconomics 3 hrs

1 “C” (2.0) or better grade required in each class
2 (if Calculus & Statistics) “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
GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
MAR 3023 Marketing 4 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
BUL 3130 Legal and Ethical Environment of Business 4 hrs
ECO 4451 Research Methods in 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.oeas.ucf.edu/aic/academic_learning_compacts.htm
Economics - Accelerated Undergraduate-Graduate
Program (B.A. / M.S.)

NOTE: For detailed information, see description of this program in the Statewide Articulated AS to BS Programs section.

Economics
See also Mathematics - Mathematical Economics Track

Electrical Engineering (B.S.E.E.)

College of Engineering and Computer Science
School of Electrical Engineering and Computer Science,
Harris Corp. Engineering Center, Room: 246
http://www.eecs.ucf.edu
E-mail: undergraduate@eecs.ucf.edu
Dr. Samuel Richie
Ms. Charlese Hilton-Brown
Phone: 407-823-3327

Admission Requirements
None

Degree Requirements
None

1. UCF General Education Program (GEP) (38 hrs)
- The UCF General Education Program (GEP) is described in the section, General Education Program, found elsewhere in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A through E below to minimize excess hours. Students transferring to UCF from within the Florida State University/Community College Systems should complete the GEP and the Common Program Prerequisites before transferring.

A: Communication Foundations
Required ENC 1101 Composition I (3 hrs)
Required ENC 1102 Composition II (3 hrs)
Select 1:
Suggested SPC 1603 Fundamentals of Technical Presentations or Fundamentals of Oral Communication (3 hrs)

B: Cultural & Historical Foundations
Select two courses from Cultural Foundations (9 hrs)
Select one class from Cultural Foundations (3 hrs)

C: Mathematical Foundations
Required MAC 2311 Calculus with Analytic Geometry I (4 hrs)
Required STA 3032 Probability and Statistics for Engineers (3 hrs)

D: Social Foundations
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
Required PHY 2048C Physics for Engineers & Scientists I (4 hrs)
Select one course from Science Foundations (3 hrs)

2. Common Program Prerequisites (CPP) (19 hrs)
- These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. To enroll in EE major courses, a 2.0 (C or better) in each course is required for those courses indicated.

- ENC 1101 Composition I (3 hrs)
- ENC 1102 Composition II (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)
- PHY 2048C Physics for Engineers & Scientists I (3 hrs)
- PHY 2049C Physics for Engineers & Scientists II (4 hrs)

Select 1:
CHM 2045C Chemistry Fundamentals I or CHS 1440 Fundamentals of Chemistry for Engineers (4 hrs)

3. Core Requirements: Basic Level (2 hrs)
- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing these courses, together with the courses required for the major, technical elective courses, and with the senior design courses. Independent study courses generally do not satisfy major requirements.

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

4. Core Requirements: Advanced Level (53 hrs)

Courses Required for the Engineering Core (12 hrs)
- EGN 3310 Engineering Analysis-Statics (3 hrs)
- EGN 3420 Engineering Analysis (3 hrs)
- PHY 3101 Physics for Engineers and Scientists III (3 hrs)
- STA 3032 Probability and Statistics for Engineers (3 hrs)

Courses Required for the Major (41 hrs)
- EEE 3307C Electronics I (4 hrs)
- EEE 3342C Digital Systems (3 hrs)
- EEE 3350 Semiconductor Devices I (3 hrs)
- EEE 4309C Electronics II (4 hrs)
- EEL 3004 Electrical Networks (3 hrs)
- EEL 3123C Networks and Systems (4 hrs)
- EEL 3470 Electromagnetic Fields (3 hrs)
- EEL 3552C Analog and Digital Communication Fundamentals (4 hrs)

Courses Required for the Engineering Core (12 hrs)
- EGN 3310 Engineering Analysis-Statics (3 hrs)
- EGN 3420 Engineering Analysis (3 hrs)
- PHY 3101 Physics for Engineers and Scientists III (3 hrs)
- STA 3032 Probability and Statistics for Engineers (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)
- EEE 3307C Electronics I (4 hrs)
- EEE 3342C Digital Systems (3 hrs)
- EEE 3350 Semiconductor Devices I (3 hrs)
- EEE 4309C Electronics II (4 hrs)
- EEL 3004 Electrical Networks (3 hrs)
- EEL 3123C Networks and Systems (4 hrs)
- EEL 3470 Electromagnetic Fields (3 hrs)
- EEL 3552C Analog and Digital Communication Fundamentals (4 hrs)

5. Restricted Electives (10 hrs)
- Technical electives are available in the BSEE program to address specific student interests in a variety of technical areas such as microelectronics, wireless communications, and photonics. Students should consult with their academic advisor for the identification of courses that are approved technical electives and the terms when specific courses of this type are to be offered.

Technical Electives (10 hrs)
- Technical elective courses are to be selected by the student from department approved courses.

6. Capstone Requirements (6 hrs)
- EEL 4914 and EEL 4915L
7. Foreign Language Requirements

Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- None

9. Additional Requirements
- Electrical engineering students must earn at least 32 hours in residence at UCF.

10. Required Minors
- None

11. Departmental Exit Requirements
- CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 128

Honors In Major
- None

Related Programs
- Computer Engineering
- Computer Science
- Mathematics - Engineering/Physics Track
- Physics

Certificates
- None

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

Advising Notes
- Each engineering student should meet with their academic advisor in the department of their major regularly.
- Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.
- The Electrical Engineering program offers the Accelerated BS/MS Program to students of high academic standing. This program allows up to twelve hours to be shared between the BS and MS degrees. See your department or the Accelerated program section in the back of this catalog for more information.
- Students are assumed knowledge of a higher level programming language (C preferred).

Transfer Notes
- Courses taken from Community Colleges do not substitute for Upper Division Courses unless part of an articulated pre-engineering degree program.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.

- EGN 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one hour each) may, with prior approval of the department academic advisor, be moved to the Restricted Elective area.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study

Freshman Year - Fall
- EGN 1006C Introduction to the Engineering Profession 1 hr
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- SPC 1603 Fundamentals of Technical Presentations 3 hrs
- GEP - Historical Foundation 3 hrs
- GEP - Science Foundation 3 hrs

Freshman Year - Spring
- COP 3223 Introduction to Programming with C 3 hrs
- EGN 1007C Engineering Concepts and Methods 1 hr
- ENC 1101 Composition I 3 hrs
- MAC 2313 Calculus with Analytic Geometry II 4 hrs
- PHY 2049C Physics for Engineers & Scientists II 4 hrs

Sophomore Year - Fall
- EGN 3110 Engineering Analysis-Statics 3 hrs
- ENC 1102 Composition II 3 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- PHY 2049C Physics for Engineers and Scientists III 4 hrs

Select 1:
- ECO 2013 Principles of Macroeconomics or 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs

Sophomore Year - Spring
- EEL 3801C Introduction to Programming with C 3 hrs
- EEL 3552C Analog and Digital Communication 4 hrs
- EEL 3004 Electrical Networks 3 hrs
- GEP - Cultural Foundation 3 hrs

Junior Year - Fall
- EEE 3342C Digital Systems 3 hrs
- EEL 3123C Networks and Systems 4 hrs
- GEP - Social Foundation 3 hrs
- EEL 4742C Embedded Systems 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
- EGN 3420 Engineering Analysis 3 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs

Senior Year - Fall
- EEL 3870 Electromagnetic Fields 3 hrs
- EEL 4750 Digital Signal Processing Fundamentals 3 hrs
- EEL 4914 Senior Design I 3 hrs
- Approved Technical Elective 3 hrs
- Approved Technical Elective 3 hrs

Senior Year - Spring
- EEE 3307C Electronics I 4 hrs
- EEL 4915 Senior Design II 3 hrs
- Approved Technical Elective 3 hrs
- Approved Technical Elective 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oead.ucf.edu/aic/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
Department of Teaching and Learning Principles,
ED, Room: 209

http://education.ucf.edu/elemed/

Dr. Karri Williams, kjwilliams@mail.ucf.edu
Dr. Robert Everett, ED 122M, everrett@mail.ucf.edu, 407-823-5788

Admission Requirements

- Complete the University General Education requirements or its equivalent, i.e., an AA degree from an approved Florida community college or state university.
- Have a minimum 2.5 overall GPA.
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of “C-” (1.75) or better.
- Meet the Gordon Rule Requirement.
- Meet the Foreign Language Admission Requirement.

Degree Requirements

- Students should see an advisor prior to registering for classes.
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. UCF General Education Program (GEP) (36 hrs)
   - Students are advised to take the preferred courses.

   A: Communication Foundations (9 hrs)
   - Required ENC 1101 Composition I 3 hrs
   - Required ENC 1102 Composition II 3 hrs
   - Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

   B: Cultural & Historical Foundations (9 hrs)
   - Prefer ARH 2010 U.S. History: 1492-1877 3 hrs
   - Prefer ARH 2020 U.S. History: 1877-Present 3 hrs
   - Select 1:
     - Prefer ARH 2050 History of Western Art I or 3 hrs
     - Prefer ARH 2051 History of Western Art II or 3 hrs
     - Prefer MUL 2010 Enjoyment of Music 3 hrs

   C: Mathematical Foundations (6 hrs)
   - Select 1:
     - Suggested MAC 1105 College Algebra or 3 hrs
     - Suggested MGF 1106 Finite Mathematics or 3 hrs
     - Suggested MGF 1107 Explorations in Mathematics 3 hrs

   D: Social Foundations (6 hrs)
   - Prefer POS 2041 American National Government 3 hrs
   - Prefer PSY 2012 General Psychology 3 hrs

   E: Science Foundations (6 hrs)
   - Prefer BSC 1005 Biological Principles 3 hrs
   - Prefer PSC 1121 Physical Science 3 hrs

2. Common Program Prerequisites (CPP) (9 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

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 2061 Wellness, Children and Schools 1 hr

   - Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

Lower Division Electives 7 hrs

- Students may select other electives but are advised to take the following courses to improve their preparation for the Subject Area Examination portion of the Florida Teacher Certification Examination: * MAC 1105 or MGF 1106 is a prerequisite for MAE 2801

4. Core Requirements: Advanced Level (60 hrs)

- The following recommended sequence of required upper division courses may vary at regional campus locations.

   Semester I 15 hrs
   - EDF 4467 Learning Theory and Assessment 3 hrs
   - EDF 4410 Teaching Strategies and Classroom Management 3 hrs
   - LAE 3414 Literature for Children 3 hrs
   - 1 RED 3012 Basic Foundations of Reading 3 hrs
   - 1 TSL 4080 Theory and Practice of Teaching ESOL 3 hrs
   - Students in Schools

   Semester II 15 hrs
   - EEX 4070 Teaching Exceptional Students 3 hrs
   - LAE 4314 Language Arts in the Elementary School 3 hrs
   - 1 RED 4519 Diagnostic and Corrective Reading Strategies 3 hrs
   - SME 3310 Science in Elementary School 3 hrs
   - SSE 3312 Teaching Social Science in the Elementary School 3 hrs

   Semester III (Internship I Block) 12 hrs

   - Prior to Internship I, the student must have completed each of the prerequisite courses indicated above with a letter grade of “C-” (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
   - Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
   - Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDF 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.
   - Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/Prerequisites for Internship I: EDF 4410, RED 3012, TSL 4080, MAE 2801, 1 EDE 3942 Internship I 3 hrs

   - Other Education Courses 3 hrs
     - EDE 3942 Internship I 3 hrs
     - EDE 4223 Internship I 3 hrs
     - 1 PET 2061 Wellness, Children and Schools 1 hr
     - MAE 4326 How Children Learn Mathematics 3 hrs
     - RED 4942 Practicum for Assessment and Instruction of Reading 3 hrs
Related Programs
[None]

Certificates
[None]

Related Minors
[None]

Advising Notes
[None]

Transfer Notes
[None]

Acceptable Substitutes for Transfer Courses
[None]

Plan of Study
[This recommended sequence may vary at selected regional campus locations. Consult with your Education advisor and review your degree audit for more recent information.]

Freshman Year - Fall
ARH 2050  History of Western Art I  3 hrs
EME 2040  Introduction to Technology for Educators  3 hrs
ENC 1101  Composition I  3 hrs
MAC 1105  College Algebra  3 hrs

Freshman Year - Spring
EDF 2130  Child and Adolescent Development for Educators  3 hrs
ENC 1102  Composition II  3 hrs
PSC 1121  Physical Science  3 hrs
PSC 1121L  Physical Science Lab  1 hr
PSY 2012  General Psychology  3 hrs

Sophomore Year - Fall
AMH 2010  U.S. History: 1877-Present  3 hrs
BSC 1005  Biological Principles  3 hrs
EDF 2055  Introduction to the Teaching Profession  3 hrs
MUL 2010  Enjoyment of Music  3 hrs
SPC 1608  Fundamentals of Oral Communication  3 hrs

Sophomore Year - Spring
AMH 2020  U.S. History: 1877-Present  3 hrs
EDF 2085  Introduction to Diversity for Educators  3 hrs
MAE 2801  Elementary School Mathematics  4 hrs
PET 2081  Wellness, Children and Schools  1 hr
STA 2014C  Principles of Statistics  3 hrs

Junior Year - Fall
EDF 4467  Learning Theory and Assessment  3 hrs
EDG 4410  Teaching Strategies and Classroom Management  3 hrs
LAE 3414  Literature for Children  3 hrs
RED 3012  Basic Foundations of Reading  3 hrs
TSL 4080  Theory and Practice of Teaching ESOL  3 hrs

Junior Year - Spring
EEX 4070  Teaching Exceptional Students  3 hrs
LAE 4314  Language Arts in the Elementary School  3 hrs
RED 4513  Diagnostic and Corrective Reading Strategies  3 hrs
SCE 3310  Teaching Science in Elementary School  3 hrs
SSE 3312  Teaching Social Science in the Elementary School  3 hrs

Junior Year - Summer
EDF 4603  Analysis and Application of Ethical, Legal, and Safety Issues in Schools  3 hrs
TSL 4240  Issues in Second Language Acquisition  3 hrs
## UCF Degree Programs

**Senior Year - Fall**
- EDE 3942 Internship I 3 hrs
- EDE 4223 Integrated Arts and Movement in the Elementary School 3 hrs
- MAE 4326 How Children Learn Mathematics 3 hrs
- RED 4942 Practicum for Assessment and Instruction of Reading 3 hrs

**Senior Year - Spring**
- EDE 4943 Internship II (Elementary) 12 hrs

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/aic/academic_learning_compacts.htm

### English - Creative Writing (B.A.)

#### College of Arts and Humanities

#### Department of English, Colbourn Hall, Room: 405
http://english.cah.ucf.edu
E-mail: english@mail.ucf.edu
Dr. David Wallace
Phone: 407-823-2212

#### Admission Requirements
- **none**

#### Degree Requirements
- **none**
- **A:** Communication Foundations
  - Required ENC 1101 Composition I 3 hrs
  - Required ENC 1102 Composition II 3 hrs
  - Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs
- **B:** Cultural & Historical Foundations
  - Prefer LIT 2110 World Literature I 3 hrs
  - Prefer LIT 2120 World Literature II 3 hrs
  - Select one class from 1.B.1 list 3 hrs
- **C:** Mathematical Foundations
  - 1 Suggested MGF 1106 Finite Mathematics 3 hrs
  - Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

1 May substitute a higher level math.

#### D: Social Foundations

#### E: Science Foundations

#### 2. Common Program Prerequisites (CPP)

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

1 This is a prerequisite for all 4000 level AML, 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:**
  - AML 3031 American Literature I or 3 hrs
  - AML 3286 Early American Women's Words or 3 hrs
  - AML 3613 Narratives of Slavery or 3 hrs
  - AML 3640 Native American Literature or 3 hrs
  - AML 4304 Whitman and His Heirs or 3 hrs
  - ENL 2012 English Literature I or 3 hrs
  - ENL 4220 English Renaissance Poetry and Prose or 3 hrs
  - ENL 4230 18th Century Studies or 3 hrs
  - ENL 4240 English Romantic Writers or 3 hrs
  - ENL 4311 Chaucer or 3 hrs
  - ENL 4333 Shakespeare Studies or 3 hrs
  - ENL 4341 Milton and His Age or 3 hrs
  - LIT 4374 Literature of the Bible 3 hrs

- **Select at least one of these post-1865 literature courses.**
  **Select 1:**
  - AML 4010 American Novel or 3 hrs
  - AML 4153 American Poetry at Mid-Century or 3 hrs
  - AML 4155 Modern American Poetry or 3 hrs
  - AML 4261 Literature of the South or 3 hrs
  - AML 4265 Florida Writers or 3 hrs
  - AML 4321 Modern American Literature or 3 hrs
  - AML 4630 Latino/Latina Literature or 3 hrs
  - ENL 2022 English Literature II or 3 hrs
  - ENL 4101 English Novel or 3 hrs
  - ENL 4253 The Victorian Age: Poetry or 3 hrs
  - ENL 4262 Nineteenth Century British Prose or 3 hrs
  - ENL 4273 Modern British Literature or 3 hrs
  - LIT 3082 Continental European Fiction Since 1900 or 3 hrs
  - LIT 3192 Caribbean Literature or 3 hrs
  - LIT 3823 Hispanic Women Writers or 3 hrs
  - LIT 4043 Modern Drama As Literature or 3 hrs
  - LIT 4184 Irish Literature or 3 hrs
  - LIT 4303 Post-World War II Fiction 3 hrs

#### 5. Restricted Electives (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:**

**Select 2:**
- 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:**

**Select 2:**
- CRW 4122 Advanced Fiction Writing Workshop or 3 hrs
- CRW 4224 Advanced Nonfiction Writing Workshop or 3 hrs
- CRW 4320 Advanced Poetry Writing Workshop or 3 hrs
- CRW 4616 Advanced Scriptwriting Workshop 3 hrs

1 May take ENC 4360 Nature Writing instead of CRW 4224 but not both.
6. Capstone Requirements
- None

7. Foreign Language Requirements
Admissions
- Met by graduation requirement
Graduation
- Proficiency equivalent to three semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. With departmental approval, a cultural/multicultural or related course offered by the Department of English may be used to satisfy one semester of the Graduation requirement.

8. Electives
- Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Maintain a minimum GPA of 2.0 in upper division required courses.
- Computer Competency met by completion of CRW 3013

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major (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 - Literature
- English - Technical Communication

Certificates
- None

Related Minors
- English - Technical Communication
- English - Writing
- Linguistics

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Freshman Year - Fall
- 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
- CHM 1020 Concepts in Chemistry 3 hrs
- ENC 1102 Composition II 3 hrs
- LIT 2110 World Literature I 3 hrs
- SPN 1120C Elementary Spanish Language and Civilization I 4 hrs
- STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

Sophomore Year - Fall
- 1 Restricted Elective 3 hrs
- BSC 1005 Biological Principles 3 hrs
- LIT 2120 World Literature II 3 hrs
- PSY 2012 General Psychology 3 hrs
- SPN 1121C Elementary Spanish Language and Civilization II 4 hrs

Sophomore Year - Spring
- AML 3031 American Literature I 3 hrs
- CRW 3013 Creative Writing for English Majors 3 hrs
- CRW 3053 Theory & Practice of Creative Writing 3 hrs
- ENL 2012 English Literature I 3 hrs
- SPN 2200 Intermediate Spanish Language and Civilization 3 hrs

Senior Year - Fall
- Restricted Elective 3 hrs
- AML 3041 American Literature II 3 hrs
- CRW 3211 Creative Nonfiction Writing 3 hrs
- ENG 3014 Theories and Techniques of Literature Study 3 hrs

Senior Year - Spring
- Restricted Elective 3 hrs
- CRW 4122 Advanced Fiction Writing Workshop 3 hrs
- LIN 4105 History of the English Language 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/a Ic/academic_learning_compacts.htm
English - Literature (B.A.)

Department of English, Colbourn Hall, Room: 405
http://english.cah.ucf.edu
E-mail: english@mail.ucf.edu
Dr. David Wallace
Phone: 407-823-2212

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a "C" (2.0) in each required course.
- Co-op or internship credit is not accepted in the major.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF English Department.
- Courses designated in 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 1068 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations
- Prefer LIT 2110 World Literature I 3 hrs
- Prefer LIT 2120 World Literature II 3 hrs
- Select on class from 1.B.1 list 3 hrs

C: Mathematical Foundations
- Required MGF 1106 Finite Mathematics 3 hrs
- Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

1 May substitute a higher level math.

D: Social Foundations (6 hrs)
- E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (0 hrs)
- ENC 1101 Composition I GEP
- ENC 1102 Composition II GEP

1 See transfer notes for possible substitutions.

3. Core Requirements: Basic Level (6 hrs)
- ENG 3014 Theories and Techniques of Literature Study 3 hrs

Choose one gateway course
- CRW 3013 Creative Writing for English Majors or 3 hrs
- CRW 3053 Theory & Practice of Creative Writing or 3 hrs
- ENC 3241 Writing for the Technical Professional 3 hrs

1 Prerequisite for all 4000 level AML, ENG, ENL, or LIT courses

4. Core Requirements: Advanced Level (15 hrs)
- Literary History Requirement
- Choose five courses from the two groupings

Select at least two pre-1865 literature courses 6 hrs
- Note: Each semester, additional courses may satisfy this requirement. Check with advisor for details.

Select 2:
- AML 3031 American Literature I or 6 hrs
- AML 3286 Early American Women's Words or 3 hrs
- AML 3613 Narratives of Slavery or 3 hrs
- AML 3640 Native American Literature or 3 hrs
- AML 4304 Whitman and His Heirs or 3 hrs

Choose one single author or major author course:

5. Restricted Electives (15 hrs)
- Upper Division Requirements

Choose one linguistics or theory course:

Select 1:
- AML 4300 Major American Authors or 3 hrs
- ENL 4303 British Authors or 3 hrs
- ENL 4311 Chaucer or 3 hrs
- ENL 4333 Shakespeare Studies or 3 hrs
- ENL 4341 Milton and His Age or 3 hrs
- LIT 4244 World Authors 3 hrs

Choose one linguistics or theory course:

Select 1:
- ENG 3010 Practical Criticism or 3 hrs
- LIN 3010 Principles of Linguistics or 3 hrs
- LIN 4105 History of the English Language or 3 hrs
- LIN 4643 Cross Cultural Communication or 3 hrs
- LIN 4660 Linguistics and Literature or 3 hrs
- LIN 4680 Modern English Grammar or 3 hrs
- LIT 4554 Advanced Feminist Theories 3 hrs

Three additional upper level courses 9 hrs
- AML, ENL, or LIT prefix

6. Capstone Requirements
- None
7. Foreign Language Requirements

Admissions
- Met by graduation requirement

Graduation
- Proficiency equivalent to three semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. With departmental approval, a cultural/multicultural or related course offered by the Department of English may be used to satisfy one semester of the Graduation requirement.

8. Electives
- Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department. Please note that no more than 6 of the following courses may be taken: CRW 3120, CRW 3211, CRW 3310, CRW 3610, CRW 4122, CRW 4224, CRW 4320, CRW 4616, and ENC 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 ENG 3014.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable).

Total Semester Hours Required
- 120

Honors In Major
- Application and admission through the English Honors Committee and the Honors College.
- Fulfill University requirements for Honors in the Major.
- Grade of “B” (3.0) or better in 5000 level English elective (3 hrs), Directed Readings (3 hrs), and Thesis hours (3 hrs).
- Successful completion and oral defense of Honors thesis.

Related Programs
- English - Creative Writing
- English - Technical Communication

Certificates
- None

Related Minors
- English - Creative Writing
- English - Linguistics
- English - Technical Communication
- English - Writing

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study

Freshman Year - Fall
- 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
- CHM 1020 Concepts in Chemistry 3 hrs
- ENC 1102 Composition II 3 hrs
- LIT 2110 World Literature I 3 hrs
- STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
- 1 Any language course at this level is acceptable.

Sophomore Year - Fall
- Restricted Elective 3 hrs
- BSC 1005 Biological Principles 3 hrs
- LIT 2120 World Literature II 3 hrs
- PSY 2012 General Psychology 3 hrs
- 1 SPN 1121C Elementary Spanish Language and Civilization II 4 hrs
- 1 Any language course at this level is acceptable.

Sophomore Year - Spring
- Restricted Elective 3 hrs
- AML 3031 American Literature I 3 hrs
- AML 3041 American Literature II 3 hrs
- ENG 3014 Theories and Techniques of Literature Study 3 hrs
- 1 SPN 2200 Intermediate Spanish Language and Civilization I 3 hrs
- 1 Third semester of language can be replaced with a diversity course. See department advisor for list of approved courses.

Junior Year - Fall
- Restricted Elective 3 hrs
- CRW 3013 Creative Writing for English Majors 3 hrs
- ENL 2022 English Literature II 3 hrs
- LIT 4105 History of the English Language 3 hrs

Junior Year - Spring
- Restricted Elective 3 hrs
- AML 3031 American Literature I 3 hrs
- AML 4261 Literature of the South 3 hrs
- ENL 4253 The Victorian Age: Poetry 3 hrs

Senior Year - Fall
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- AML 4101 American Novel 3 hrs
- ENL 4253 The Victorian Age: Poetry 3 hrs

Senior Year - Spring
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 4 hrs
- LIT 3383 Women in Literature 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeras.ucf.edu/alc/academic_learning_compacts.htm
English - Technical Communication (B.A.)

College of Arts and Humanities

Department of English, Colbourn Hall, Room: 405
http://english.cah.ucf.edu

E-mail: english@mail.ucf.edu

Dr. David Wallace
Phone: 407-823-2212

Admission Requirements

■ None

Degree Requirements

■ Students who change degree programs and select this major must adopt the most current catalog.
■ Students must earn at least a “C” (2.0) in each required course.
■ Co-op or internship credit cannot be used in this major.
■ Students should consult with a departmental advisor.
■ Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF English Department.
■ Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

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

| A: Communication Foundations (9 hrs) |
| Required ENC 1101 Composition I 3 hrs |
| Required ENC 1102 Composition II 3 hrs |
| Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs |

| B: Cultural & Historical Foundations (9 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 course)

| D: Social Foundations (6 hrs) |

| E: Science Foundations (6 hrs) |

2. Common Program Prerequisites (CPP) (0 hrs)

■ See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

| ENC 1101 Composition I GEP |
| ENC 1102 Composition II GEP |

3. Core Requirements: Basic Level (6 hrs)

Select 1:

| ENC 3241 Writing for the Technical Professional 3 hrs |

Select 1:

| CRW 3013 Creative Writing for English Majors or 3 hrs |
| CRW 3053 Theory & Practice of Creative Writing or 3 hrs |
| ENG 3014 Theories and Techniques of Literature Study 3 hrs |

4. Core Requirements: Advanced Level (15 hrs)

| ENC 4280 Technical Writing Style 3 hrs |
| ENC 4293 Documentation and the Collaborative Process 3 hrs |
| ENC 4294 Documentation and Client-Based Collaboration 3 hrs |
| LIT 4433 Literature of Science and Technology 3 hrs |

Select 1:

| ENC 4215 Technical Publication and Project Management or 3 hrs |
| ENC 4218 The Visual in Technical Documentation 3 hrs |

5. Restricted Electives (3 hrs)

Select 1:

| AML 3031 American Literature I or 3 hrs |
| AML 3286 Early American Women’s Words or 3 hrs |
| AML 3613 Narratives of Slavery or 3 hrs |
| AML 3640 Native American Literature or 3 hrs |
| AML 4304 Whitman and His Heirs or 3 hrs |
| ENL 2012 English Literature I or 3 hrs |
| ENL 4220 English Renaissance Poetry and Prose or 3 hrs |
| ENL 4230 18th Century Studies or 3 hrs |
| ENL 4240 English Romantic Writers or 3 hrs |
| ENL 4311 Chaucer or 3 hrs |
| ENL 4333 Shakespeare Studies or 3 hrs |
| ENL 4341 Milton and His Age or 3 hrs |
| LIT 4374 Literature of the Bible 3 hrs |

5. Capstone Requirements

■ ENC 4941 Internship 1 hr

5. 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.

Literary History Requirement

■ 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 3053 American Poetry at Mid-Century 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 4273 Nineteenth Century British Prose or 3 hrs |
| ENL 2022 English Literature II or 3 hrs |
| ENL 4010 English Novel or 3 hrs |
| ENL 4031 English Renaissance Poetry and Prose or 3 hrs |
| ENL 4341 Milton and His Age or 3 hrs |
| LIT 3082 Continental European Fiction Since 1900 or 3 hrs |
| LIT 3192 Caribbean Literature or 3 hrs |
| LIT 3823 Hispanic Women Writers or 3 hrs |
| LIT 4043 Modern Drama As Literature or 3 hrs |
| LIT 4184 Irish Literature or 3 hrs |
| LIT 4303 Post-World War II Fiction or 3 hrs |

Select at least one of these post 1865 literature courses

| AML 3031 American Literature I or 3 hrs |
| AML 3053 American Poetry at Mid-Century 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 4311 Chaucer or 3 hrs |
| AML 4333 Shakespeare Studies or 3 hrs |
| AML 4341 Milton and His Age or 3 hrs |
| LIT 3082 Continental European Fiction Since 1900 or 3 hrs |
| LIT 3192 Caribbean Literature or 3 hrs |
| LIT 3823 Hispanic Women Writers or 3 hrs |
| LIT 4043 Modern Drama As Literature or 3 hrs |
| LIT 4184 Irish Literature or 3 hrs |
| LIT 4303 Post-World War II Fiction or 3 hrs |

6. Capstone Requirements

■ ENC 4941 Internship 1 hr

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 - Linguistics
- English - Literature
- English - Writing

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred from private and out of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- ENC 1101 & 1102: may use any two lower level courses, taught in the English Department, and each having a 6,000 word requirement. However, ENC 1101 & 1102 are prerequisites for all subsequent English courses and will need to be taken for the major.

Plan of Study
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

UCF Degree Programs

English Language Arts Education (B.S.)
College of Education
Department of Teaching and Learning Principles,
Education Building, Room: 209
http://education.ucf.edu/englished/
E-mail: jkaplan@mail.ucf.edu
Dr. Jeff Kaplan, ED 122B
Phone: 407-823-2041

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e., an AA degree from an approved Florida community college or state university
- Have a minimum 2.5 overall GPA
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of “C-” (1.75) or better
- Meet the Gordon Rule Requirement.
- Meet Foreign Language Admission Requirement.

Degree Requirements
- Students should see an advisor prior to registering for classes
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. UCF General Education Program (GEP) (36 hrs)
- Students are advised to take the preferred courses.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Prefer AMH 2020 U.S. History: 1877-Present 3 hrs
- Prefer AMH 2020 U.S. History: 1877-Present 3 hrs
- Required LIT 2110 World Literature I 3 hrs

C: Mathematical Foundations (6 hrs)
- Prefer MGF 1106 Finite Mathematics 3 hrs
- Select 1: STA 1060C Basic Statistics Using Microsoft Excel or STA 2014C Principles of Statistics 3 hrs

D: Social Foundations (6 hrs)
- Select 1: ANT 2511 The Human Species or BSC 1005 Biological Principles 3 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

2. Common Program Prerequisites (CPP) (9 hrs)
- Select “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- 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

3. Core Requirements: Basic Level (12 hrs)
   - EDF 2130 Child and Adolescent Development for Educators 3 hrs
   - ENL 2012 English Literature I 3 hrs
   - ENL 2022 English Literature II 3 hrs
   - LIT 2110 World Literature I GEP
   - LIT 2120 World 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
   - EDF 4467 Learning Theory and Assessment 3 hrs
   - EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
   - EDF 4410 Teaching Strategies and Classroom Management 3 hrs
   - EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
   - RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
   - TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs
   - TSL 4240 Issues in Second Language Acquisition 3 hrs

   Specialization Requirements 21 hrs
   - AML 3031 American Literature I 3 hrs
   - AML 3041 American Literature II 3 hrs
   - CRW 3013 Creative Writing for English Majors 3 hrs
   - ENG 3014 Theories and Techniques of Literature Study 3 hrs
   - LAE 4464 Survey of Adolescent Literature 3 hrs

   Select 1:
   - ENC 3311 Advanced Expository Writing 3 hrs
   - LIN 4105 History of the English Language 3 hrs

   Upper Division Elective with EDF, EDG, LAE, or RED prefix 3 hrs

   Internship I Block 9 hrs
   - Prior to Internship I, the student must have completed 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 strongly recommended prior to entry into Internship II.
   - Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education Rule 6A-5.066.
   - Passing score on the Subject Area Examination (English 6-12) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II.

   LAE 4941 Internship 12 hrs

5. Restricted Electives (0 hrs)
   - 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
Plan of Study

Freshman Year - Fall
- EDF 2005  Introduction to the Teaching Profession
- ENC 1101  Composition I
- MGF 1106  Finite Mathematics
- PSY 2012  General Psychology
12 hrs

Freshman Year - Spring
- EDF 2085  Introduction to Diversity for Educators
- ENC 1102  Composition II
- POS 2041  American National Government
- PSC 1121  Physical Science
12 hrs

Freshman Year - Summer
- EME 2040  Introduction to Technology for Educators
- LIT 2110  World Literature I
6 hrs

Sophomore Year - Fall
- AMH 2010  U.S. History: 1492-1877
- LIT 2120  World Literature II
- SPC 1608  Fundamentals of Oral Communication
- Select 1:
  - ANT 2511  The Human Species
  - BSC 1005  Biological Principles
  - STA 1060C  Basic Statistics Using Microsoft Excel
  - STA 2014C  Principles of Statistics
- 15 hrs

Sophomore Year - Spring
- AMH 2020  U.S. History: 1877-Present
- AML 3031  American Literature I
- EDF 2130  Child and Adolescent Development for Educators
- ENL 2012  English Literature I
- ENL 2022  English Literature II
- TSL 4080  Theory and Practice of Teaching ESOL
- Select 1:
  - CRW 3013  Creative Writing for English Majors
  - ENC 4467  Learning Theory and Assessment
  - EDG 4410  Teaching Strategies and Classroom Management
  - SPC 1603  Fundamentals of Technical Presentations
- 12 hrs

Sophomore Year - Summer
- AML 3041  American Literature II
- EDF 4603  Analysis and Application of Ethical, Legal, and Safety Issues in Schools
- LAE 4361  Literacy Strategies for Middle and High School
- RED 4043  Content Reading in Kindergarten through Grade 12
- Select 1:
  - ENC 3311  Advanced Expository Writing
  - LIN 4105  History of the English Language
- 6 hrs

Junior Year - Fall
- CRW 3013  Creative Writing for English Majors
- EDF 4467  Learning Theory and Assessment
- EDG 4410  Teaching Strategies and Classroom Management
- TSL 4240  Issues in Second Language Acquisition
15 hrs

Junior Year - Spring
- AML 3041  American Literature II
- EDF 4603  Analysis and Application of Ethical, Legal, and Safety Issues in Schools
- LAE 4361  Literacy Strategies for Middle and High School
- RED 4043  Content Reading in Kindergarten through Grade 12
- Select 1:
  - ENC 3311  Advanced Expository Writing
  - LIN 4105  History of the English Language
- Upper Division Elective w/ RED, LAE, EDG, or EDF prefix
- 15 hrs

Junior Year - Summer
- ENG 3014  Theories and Techniques of Literature Study
- Senior Year - Fall
- EEX 4242  Teaching Exceptional Students in Secondary Settings
- LAE 3940  Internship
- LAE 4342  Programs in Teaching Language and Composition
- LAE 4380  English Instructional Analysis
- 12 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.)

College of Engineering and Computer Science
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.

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
- Required  ENC 1102  Composition II
- Suggested  SPC 1603  Fundamentals of Technical Presentations

B: Cultural & Historical Foundations (9 hrs)
- Select two courses from Historical Foundations
- Select one class from Cultural Foundations

C: Mathematical Foundations (7 hrs)
- Required  MAC 2311  Calculus with Analytic Geometry I
- Required  STA 3032  Probability and Statistics for Engineers

D: Social Foundations (6 hrs)
- Select 1:
  - Prefer  ECO 2013  Principles of Macroeconomics
  - Prefer  ECO 2023  Principles of Microeconomics

E: Science Foundations (7 hrs)
- Required  PHY 2048C  Physics for Engineers & Scientists I

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.

Environmental Engineering (B.S.Env.E.)
UCF Degree Programs

Select one of the following sequences of courses:

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<thead>
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<th>Course(s)</th>
<th>Credits</th>
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<td>CHM 2041C</td>
<td>3 hrs</td>
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or

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or

<table>
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<th>Course(s)</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHS 1440</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

1 also satisfy UCF GEP sub-requirements

3. Core Requirements: Basic Level (6 hrs)
- Environmental engineering majors must complete both Earth Science and Biological Science coursework. See assigned academic advisor for list of approved courses.
- CHM 2045C Chemistry Fundamentals I 4 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- EGN 1006C Introduction to the Engineering Profession 1 hr
- EGN 1007C Engineering Concepts and Methods 1 hr
- Earth Science - GEP 3 hrs
- Biological Science 3 hrs

4. Core Requirements: Advanced Level (51 hrs)
Courses Required for the Major
- CCE 4003 Introduction to the Construction Industry 3 hrs
- CWR 3201 Engineering Fluid Mechanics 3 hrs
- CWR 4101C Hydrology 3 hrs
- CWR 4203C Hydraulics 3 hrs
- EES 4111C Biological Process Control 3 hrs
- EES 4202C Chemical Process Control 3 hrs
- EGN 3310 Engineering Analysis-Statics 3 hrs
- EGN 3321 Engineering Analysis-Dynamics 3 hrs
- EGN 3331 Mechanics of Materials 3 hrs
- EGN 3343 Thermodynamics 3 hrs
- EGN 3373 Principles of Electrical Engineering 3 hrs
- EGN 3613 Engineering Economic Analysis 2 hrs
- EGN 3631 Environmental Engineering - Process Design 4 hrs
- STA 3032 Probability and Statistics for Engineers GEP

1 A “C” (2.0) or better is required in this course.

5. Restricted Electives (7 hrs)
- Technical electives are available in the BSEnvE program to address specific student interests in a variety of technical areas. Students should consult with their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements (6 hrs)
- Required Senior Design Courses

Select 2:
- CGN 4808C Civil Engineering Capstone Design 6 hrs
- CWR 4812C Water Resources Design or 3 hrs
- ENV 4122C Air Pollution Control Design or 3 hrs
- ENV 4300C Solid Waste Facility Design or 3 hrs
- ENV 4526C Environmental Engineering Systems Design 3 hrs

7. Foreign Language Requirements

Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

8. Electives
- None

9. Additional Requirements
- EnvE students must take the Fundamentals of Engineering (FE) Exam during their Senior year.

10. Required Minors
- None

11. Departmental Exit Requirements
- None

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 128

Honors In Major
- None

Related Programs
- Chemistry
- Civil Engineering
- Construction Engineering

Certificates
- None

Related Minors
- Bioengineering
- Chemistry
- Engineering Leadership
- Environmental Studies
- Mathematics

Advising Notes
- Each engineering student is assigned a qualified engineering academic advisor in the department of his/her major. Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.
- The Environmental Engineering program offers the opportunity for exceptionally well qualified undergraduates to enter directly into the PhD program after completion of an appropriate BS degree. This option allows outstanding undergraduates to begin planning a research program with a specific faculty advisor even before finishing the BS, and may allow completion of the PhD in a shorter time period than by taking a separate Masters followed by the PhD.

Transfer Notes
- Courses taken from Community Colleges do not substitute for Upper Division Courses unless part of an articulated pre-engineering degree program.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.
- EGN 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one for each) may, with prior approval of the department academic advisor, be moved to the Restricted Elective area.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (128 hrs)
- The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their departmental academic advisor to develop and maintain an appropriate plan of study.
### Environmental Studies Track

See Interdisciplinary Studies - Environmental Studies Track

### Event Management (B.S.)

**Rosen College of Hospitality Management**

Department of Tourism Event and Attractions, 9907 Universal Boulevard, Orlando, FL 32819

**http://www.hospitality.ucf.edu**

**E-mail:** hospitality@mail.ucf.edu

Dr. Deborah Breiter, Department Chair

Dr. Abraham Pizam, Dean

Phone: 407-903-8000

#### Admission Requirements

- None

#### Degree Requirements

- None

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

   **A: Communication Foundations** (9 hrs)

   **B: Cultural & Historical Foundations** (9 hrs)

   **C: Mathematical Foundations**

   Required:
   - MAC 1105 College Algebra (3 hrs)

   **Select 1:**
   - Required:
     - CGS 2100C Computer Fundamentals for Business or STA 2023 Statistical Methods I (3 hrs)

   **Select 1:** (3 hrs)

   **D: Social Foundations**

   **Select 1:**
   - Required:
     - ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics (3 hrs)

   **Select 1:** (3 hrs)

2. **Common Program Prerequisites (CPP)** (3 hrs)

   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

   **HFT 1000** Introduction to the Hospitality and Tourism Industry (3 hrs)

3. **Core Requirements: Basic Level** (0 hrs)

   **MAC 1105** College Algebra (GEP)

   **Select 1:**
   - Required:
     - CGS 2100C Computer Fundamentals for Business or STA 2023 Statistical Methods I (3 hrs)

   **Select 1:** (3 hrs)

4. **Core Requirements: Advanced Level** (52 hrs)

   **Hospitality Management Core** 24 hrs

   **HFT 2220** Hospitality Human Resources Management (3 hrs)
   **HFT 2254** Lodging Operations (3 hrs)
   **HFT 2401** Hospitality Industry Financial Accounting (3 hrs)
   **HFT 2500** Hospitality and Tourism Marketing (3 hrs)
   **HFT 3431** Hospitality Industry Managerial Accounting (3 hrs)
   **HFT 3540** Guest Services Management I (3 hrs)
   **HFT 4286** Hospitality Communications (3 hrs)
   **HFT 4464** Hospitality Industry Finance (3 hrs)

   **Internships** 3 hrs

   **HFT 3940** Internship (1 hr)
   **HFT 4941** Internship (1 hr)
   **HFT 4944** Practicum (1 hr)

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### Environmental Studies Track

#### 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

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### Freshman Year - Fall

- **14 hrs**
  - **BSC 1050** Biology and Environment (3 hrs)
  - **EGN 1006C** Introduction to the Engineering Profession (1 hr)
  - **ENC 1101** Composition I (3 hrs)
  - **MAC 2311** Calculus with Analytic Geometry I (4 hrs)

#### Select 1:

- **3 hrs**
  - **ECO 2013** Principles of Macroeconomics (3 hrs)
  - **ECO 2023** Principles of Microeconomics (3 hrs)

---

### Sophomore Year - Fall

- **16 hrs**
  - **GEP**
  - **CHM 2045C** Chemistry Fundamentals I (4 hrs)
  - **EGN 3310** Engineering Analysis-Statics (3 hrs)
  - **EGN 3613** Engineering Economic Analysis (2 hrs)
  - **MAC 2313** Calculus with Analytic Geometry III (4 hrs)

#### Select 1:

- **3 hrs**
  - **CGS 2100C** Computer Fundamentals for Business (3 hrs)
  - **Select 1:**
    - **Required:**
      - MAC 1105 College Algebra (3 hrs)

---

### Junior Year - Fall

- **15 hrs**
  - **EGN 3343** Thermodynamics (3 hrs)
  - **ENV 3001** Introduction to Environmental Engineering (3 hrs)

#### Select 1:

- **3 hrs**
  - **SPC 1603** Fundamentals of Technical Presentations or SPC 1608 Fundamentals of Oral Communication (3 hrs)

#### Senior Year - Fall

- **13 hrs**
  - **EES 4202C** Chemical Process Control (3 hrs)
  - **ENV 4120** Air Pollution Control (3 hrs)
  - **Select 1:**
    - **Required:**
      - MAC 1105 College Algebra (GEP)

#### 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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### Environmental Studies Track

See Interdisciplinary Studies - Environmental Studies Track
## UCF Degree Programs

### Event Management Core (25 hrs)
- **FSS 2221C** Techniques of Food Preparation 4 hrs
- **HFT 2750** The Event Industry 3 hrs
- **HFT 3373** Event Design, Production & Technology 3 hrs
- **HFT 3512** Event Promotion 3 hrs
- **HFT 3519** Event Services 3 hrs
- **HFT 3523** Event Sales 3 hrs
- **HFT 3670** Hospitality and Event Risk Management 3 hrs
- **HFT 4757** Event Management 3 hrs

### 5. Restricted Electives (18 hrs)
Complete any six restricted Event Management Electives:
- HFT 3357 Golf Event Operations or 3 hrs
- HFT 3741 Meeting Management or 3 hrs
- HFT 3798 Fairs and Festivals or 3 hrs
- HFT 3898 History and Culture of Wine or 3 hrs
- HFT 4375 Advanced Trade Show Management or 3 hrs
- HFT 4561 Destination Marketing or 3 hrs
- HFT 4736 Destination Management or 3 hrs
- HFT 4754 Exhibit and Trade Show Operations or 3 hrs
- HFT 4795 Entertainment Arts and Events or 3 hrs
- HFT 4796 International Events 3 hrs

### 6. Capstone Requirements
- None

### 7. Foreign Language Requirements

#### Admissions
- State University System foreign language admission requirement: two years in high school or one year in college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

#### Graduation
- None

### 8. Electives
- 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

### 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 event major.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF.
- Students should take advantage of both.

### Acceptable Substitutes for Transfer Courses
- None

### Plan of Study

#### Freshman Year - Fall
- **CGS 2100C** Computer Fundamentals for Business 3 hrs
- **ENC 1101** Composition I 3 hrs
- **HFT 1000** Introduction to the Hospitality and Tourism Industry 3 hrs

#### Select one course from the list 3 hrs
- **ANT 2000** General Anthropology or 3 hrs
- **PSY 2012** General Psychology or 3 hrs
- **SYG 2000** Introduction to Sociology 3 hrs

#### Cult/Historical Foundation Course 3 hrs
- **AMH 2010** U.S. History: 1492-1877 or 3 hrs
- **EIH 2000** Western Civilization I or 3 hrs
- **HUM 2210** Humanistic Tradition I or 3 hrs
- **WOH 2012** World Civilization I 3 hrs

#### Freshman Year - Spring
- **ENC 1102** Composition II 3 hrs
- **HFT 2220** Hospitality Human Resources Management 3 hrs
- **HFT 2750** The Event Industry 3 hrs
- **MAC 1105** College Algebra 3 hrs

#### Cultural Foundation Course 3 hrs
- **AMH 2020** U.S. History: 1877-Present or 3 hrs
- **EIH 2001** Western Civilization II or 3 hrs
- **HUM 2220** Humanistic Tradition II or 3 hrs
- **WOH 2022** World Civilization II 3 hrs

#### Sophomore Year - Fall
- **HFT 3519** Event Services 3 hrs
- **HFT 3670** Hospitality and Event Risk Management 3 hrs
- **SPC 1608** Fundamentals of Oral Communication 3 hrs

#### Select 1: 3 hrs
- **ECO 2013** Principles of Macroeconomics or 3 hrs
- **ECO 2023** Principles of Microeconomics 3 hrs

#### Science Foundation 3 hrs
- **ANT 2511** The Human Species or 3 hrs
- **BSC 1005** Biological Principles or 3 hrs
- **BSC 1050** Biology and Environment or 3 hrs
- **GEO 1200** Physical Geography or 3 hrs
- **GLY 1030** Geology and Its Applications 3 hrs

#### Sophomore Year - Spring
- **HFT 2220** Hospitality Human Resources Management 3 hrs
- **HFT 3523** Event Sales 3 hrs
- **HFT 3792** Event Design and Production 3 hrs

#### Science Foundation II 3 hrs
- **AST 2002** Astronomy or 3 hrs
- **CHM 1020** Concepts in Chemistry or 3 hrs
- **PSC 1121** Physical Science 3 hrs

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**UNIVERSITY OF CENTRAL FLORIDA**

190 Undergraduate Catalog 2010-2011
### Cultural Foundation Course
- ARH 2050: History of Western Art I or III 3 hrs
- FIL 1000: Cinema Survey or I 3 hrs
- LIT 2110: World Literature I or I 3 hrs
- LIT 2120: World Literature II or II 3 hrs
- MUL 2010: Enjoyment of Music or II 3 hrs
- PHI 2010: Introduction to Philosophy or II 3 hrs
- REL 2300: World Religions or II 3 hrs
- THE 2000: Theatre Survey 3 hrs

1 Food Preparation for Catered Events 4 credit hours

### Junior Year - Fall
- HFT 2254: Lodging Operations 3 hrs
- HFT 2401: Hospitality Industry Financial Accounting 3 hrs
- HFT 3373: Event Design, Production & Technology 3 hrs
- HFT 3519: Event Services 3 hrs
- HFT 3540: Guide Services Management I 3 hrs
- HFT 3940: Internship 1 hr

### Junior Year - Spring
- HFT 3431: Hospitality Industry Managerial Accounting 3 hrs
- HFT 4941: Internship 1 hr

### Event Management Restricted Electives ***See list in catalog for 9hrs

### Senior Year - Fall
- HFT 4286: Hospitality Communications 3 hrs
- HFT 4464: Hospitality Industry Finance 3 hrs
- HFT 4944: Practicum 1 hr

### Event Management Restricted Elective ***See list in catalog for 3hrs

### University Free Electives 5 hours

### Senior Year - Spring
- HFT 4757: Event Management 3 hrs

### 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.oeas.ucf.edu/alc/academic_learning_compacks.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
http://www.education.ucf.edu/
Dr. Lee Cross, Program Coordinator, lcross@mail.ucf.edu
Linda Alexander, Program Contact, lalexand@mail.ucf.edu, 407-823-2598

### Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university.
- Have a minimum 2.5 overall GPA.
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of “C-” (1.75) or better.
- Meet the Gordon Rule Requirement.
- Meet the foreign language admission requirement.

### Degree Requirements
- Students should seek advising through the Exceptional Education faculty prior to registering for classes.
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.
- Students must earn a “C-”(1.75) or better in each required Exceptional Education course
- Passing scores on ALL three applicable sections of the Florida Teacher Certification Examination. See http://www.fldoe.org for available test dates and test sites.
- FTCE General Knowledge Test (GKT)- Passing score on the GKT is required prior for admission into the College of Education.
- FTCE Professional Education Test (PEd) prior to Internship I.
- FTCE Subject Area Examination for Exceptional Student Education K-12

### 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
- Prefer AMH 2010: U.S. History: 1492-1877 3 hrs
- Prefer AMH 2020: U.S. History: 1877-Present 3 hrs

#### Select 1:
- Prefer LIT 2110: World Literature I 3 hrs
- Prefer LIT 2120: World Literature II 3 hrs
- Prefer PHI 2010: Introduction to Philosophy or 3 hrs
- Prefer REL 2300: World Religions 3 hrs

#### C: Mathematical Foundations
- Prefer STA 1060C: Basic Statistics Using Microsoft Excel or 3 hrs
- Prefer STA 2014C: Principles of Statistics 3 hrs

#### Select 1:
- Suggested MGF 1106: Finite Mathematics or 3 hrs
- Suggested MGF 1107: Explorations in Mathematics or 3 hrs

#### D: Social Foundations
- Prefer POS 2041: American National Government 3 hrs
- Prefer PSY 2012: General Psychology 3 hrs

#### E: Science Foundations
- Prefer PSC 1121: Physical Science 3 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 2085: Introduction to Diversity for Educators 3 hrs
- EME 2040: Introduction to Technology for Educators 3 hrs

1 In addition to this course, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.
### UCF Degree Programs

**3. Core Requirements: Basic Level** (15 hrs)

1. **EDF 2130** Child and Adolescent Development for Educators 3 hrs
2. **EDF 2720** Children in Schools: Legal, Ethical and Safety Concerns 3 hrs
3. **EEX 2010** Introduction to Special Education 3 hrs
4. **EEX 2758** Enhancing Family Involvement in Education 2 hrs
5. **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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 EDG 4410</td>
<td>Teaching Strategies and Classroom Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 EEX 3241</td>
<td>Methods for Academic Skills for Exceptional Students</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 RED 3012</td>
<td>Basic Foundations of Reading</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 TSL 4080</td>
<td>Theory and Practice of Teaching ESOL</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Semester II

- It is strongly recommended to take the Professional Education Test (PET) portion of the FTCE during Semester II

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 4467</td>
<td>Learning Theory and Assessment</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEX 3243</td>
<td>Techniques for Exceptional Adolescents-Adults</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LAE 4314</td>
<td>Language Arts in the Elementary School</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RED 4519</td>
<td>Diagnostic and Corrective Reading Strategies</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TSL 4240</td>
<td>Issues in Second Language Acquisition</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Semester III (Summer)

- Please note: It is required to take the Professional Education Test (PET) 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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEX 3221</td>
<td>Assessment of Exceptional Students</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEX 4066</td>
<td>Curriculum, Theory and Instructional Strategies for Students with Special Needs</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Semester IV

- Students must apply and be approved for Internship II.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEX 4941</td>
<td>Internship Exceptional Education</td>
<td>9 hrs</td>
</tr>
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</table>

### Choose one course from either the Elementary or Secondary level Methods Content Area Course I sections.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEX 4601</td>
<td>Introduction to Behavior Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEX 4763</td>
<td>Technology for Classroom Teachers of Students with Special Needs</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RED 4942</td>
<td>Practicum for Assessment and Instruction of Reading</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Elementary Level: Methods Content Area

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EAE 3430</td>
<td>Literature for Children</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAE 4326</td>
<td>How Children Learn Mathematics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SCE 3310</td>
<td>Teaching Science in Elementary School</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SSE 3312</td>
<td>Teaching Social Science in the Elementary School</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Secondary Level: Methods Content Area

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EAE 3430</td>
<td>English Instructional Analysis</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAE 4326</td>
<td>Mathematics Instructional Analysis</td>
<td>4 hrs</td>
</tr>
<tr>
<td>RED 4043</td>
<td>Content Reading in Kindergarten through Grade 12</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SCE 3460</td>
<td>Science Instructional Analysis</td>
<td>4 hrs</td>
</tr>
<tr>
<td>SSE 3461</td>
<td>Social Science Instructional Analysis</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

1. To enroll in this course, you must be registered for EEX 3942 Internship I.

#### Semester V

- It is recommended to take the Professional Education Test (PET) 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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EED 4811</td>
<td>Methods for Academic Skills for Exceptional Students</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LAE 3414</td>
<td>Language Arts in the Elementary School</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RED 3420</td>
<td>Diagnostic and Corrective Reading Strategies</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TSL 3440</td>
<td>Issues in Second Language Acquisition</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 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 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

#### Honors in Major
- None

#### Related Programs
- None

#### Certificates
- None

#### Related Minors
- None

#### Advising Notes
- None

#### Transfer Notes
- None

#### Acceptable Substitutes for Transfer Courses
- None

### Plan of Study

#### This recommended sequence may vary at selected regional campus locations. Consult with your Education advisor and review your degree audit for more recent information.

#### Freshman Year - Fall
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- ENC 1101 Composition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- PSY 2021 General Psychology 3 hrs

#### Freshman Year - Spring
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- ENC 1102 Composition II 3 hrs
- FSC 1121 Physical Science 3 hrs

Select 1:
- LIT 2110 World Literature I or 3 hrs
- LIT 2120 World Literature II or 3 hrs
- PHI 2010 Introduction to Philosophy or 3 hrs
- REL 2300 World Religions or 3 hrs

#### Freshman Year - Summer
- EME 2040 Introduction to Technology for Educators 3 hrs
- POS 2041 American National Government 3 hrs

#### Sophomore Year - Fall
- AMH 2010 U.S. History: 1492-1877 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
Select 1:
- ANT 2511 The Human Species or 3 hrs
- BSC 1005 Biological Principles 3 hrs

Select 1:
- STA 1060C Basic Statistics Using Microsoft Excel or 3 hrs
- STA 2014C Principles of Statistics 3 hrs

#### Sophomore Year - Spring
- AMH 2020 U.S. History: 1877-Present 3 hrs
- EDF 2720 Children in Schools: Legal, Ethical and Safety Concerns 3 hrs
- EEX 2758 Enhancing Family Involvement in Education 2 hrs
- MAE 2801 Elementary School Mathematics 4 hrs

#### Sophomore Year - Summer
- A passing score on the FTCE General Knowledge Test (GKT) portion of the Florida Teacher Certification Examination is required prior to admission to the Exceptional Education Program.
  - EEX 2010 Introduction to Special Education 3 hrs

#### Junior Year - Fall
- EDS 4410 Teaching Strategies and Classroom Management 3 hrs
- EEX 3241 Methods for Academic Skills for Exceptional Students 3 hrs
- RED 3012 Basic Foundations of Reading 3 hrs
- TSL 4260 Issues in Second Language Acquisition 3 hrs

#### Junior Year - Spring
- 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
  - RED 4519 Diagnostic and Corrective Reading Strategies 3 hrs
  - TSL 4240 Issues in Second Language Acquisition 3 hrs

#### Junior Year - Summer
- It is strongly recommended to take the Subject Area Examination (SAE) portion of the FTCE during Semester III.
  - EEX 3221 Assessment of Exceptional Students 3 hrs
  - EEX 4066 Curriculum, Theory and Instructional Strategies for Students with Special Needs 3 hrs

#### Senior Year - Fall
- EEX 3942 Internship I Exceptional Education 3 hrs
- EEX 4501 Introduction to Behavior Management 3 hrs
  - EEX 4763 Technology for Classroom Teachers of Students with Special Needs 3 hrs
  - RED 4942 Practicum for Assessment and Instruction of Reading 3 hrs

Select Methods Content I
- Choose from one of the following. Must be different from the selected course during Senior Year Fall Term.
  - LAE 3414 Literature for Children or 3 hrs
  - LAE 4360 English Instructional Analysis or 3 hrs
  - MAE 4326 How Children Learn Mathematics or 3 hrs
  - MAE 4360 Mathematics Instructional Analysis or 4 hrs
  - RED 4043 Content Reading in Kindergarten through Grade 12 or 3 hrs
  - SCE 3310 Teaching Science in Elementary School or 3 hrs
  - SCE 4360 Science Instructional Analysis or 3 hrs
  - SSE 3312 Teaching Social Science in the Elementary School or 3 hrs
  - SSE 4361 Social Science Instructional Analysis or 4 hrs

#### Senior Year - Spring
- EEX 4066 Internship II Exceptional Education 1 hr
- Select one approved Methods Course 3 hrs

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oelas.ucf.edu/alc/academic_learning_compacts.htm
UCF Degree Programs

Film (B.F.A.)
College of Arts and Humanities
Department of Film, Nicholson School of Communication, Room: 121
http://www.film.cah.ucf.edu
E-mail: film@mail.ucf.edu
Mr. Steve Schlow, 407-823-2845

Admission Requirements
- The Film BFA major is a limited access program.
- Entrance into most Film classes is restricted to majors. Exceptions must be approved by the Department Chair.
- A portfolio review is required for entry into the Film BFA major. Contact the Film Department for details, or visit the website, http://www.film.cah.ucf.edu.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students are required to maintain an overall average grade of “B” (3.0) or better in Film major courses.
- 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:
- Prefer CGS 1060C Introduction to Computer Science or 3 hrs
- Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

1 May substitute a higher level math

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (3 hrs)
FIL 1007 Foundations of Story 3 hrs
1 FIL 2030 History of Motion Pictures GEP

1 See transfer notes for possible substitutions.

3. Core Requirements: Basic Level (21 hrs)
- Lower level core requirements
  DIG 2300 Introduction to Digital Media 3 hrs
  FIL 1009 Cinematic Expression for Majors 3 hrs
  FIL 2107 Script Analysis 3 hrs
  FIL 2461 Cinematography I 3 hrs
  FIL 2480 Directing for Film I 3 hrs
  FIL 2481 Directing the Actor for Film I 3 hrs
  FIL 2552C Editing I 3 hrs

4. Core Requirements: Advanced Level (36 hrs)
- Upper level core requirements
  FIL 3037 Film History II 3 hrs
  FIL 3115 Short Script I 3 hrs
  FIL 3132 Short Script II 3 hrs
  FIL 3427C Introduction to Film Production 3 hrs
  FIL 3534 Sound Design for Film I 3 hrs
  FIL 3803C Film Theory and Criticism I 3 hrs
  FIL 3922 Film Colloquium 1 hr
  FIL 4486C Directing for Film II 3 hrs
  FIL 4647 Film Production Management 3 hrs
  FIL 4661 The Film Producer 3 hrs

1 Six semesters of colloquium required at 1 hour each.

5. Restricted Electives (12 hrs)
- Select four courses from the following. Must complete all core requirements before taking these courses. A maximum of 6 hours of Independent Study may be substituted with advisor’s prior approval.

Production/Direction
DIG 4704 Interactive Entertainment 3 hrs
FIL 3363C Film Documentary 3 hrs
FIL 4451 Design for Film 3 hrs
FIL 4472C Cinematography II 3 hrs
FIL 4487 Directing for Film III 3 hrs
FIL 4535C Sound Design for Film II 3 hrs
FIL 4536 Sound Design III 3 hrs
FIL 4566C Editing II 3 hrs

Screen Writing
FIL 4103 Adaptation 3 hrs
FIL 4113C Interactive Writing I 3 hrs
FIL 4114C Interactive Writing II 3 hrs
FIL 4126C Genre Writing 3 hrs
FIL 4162C Feature/TV Writing I 3 hrs
FIL 4163C Feature/TV Writing II 3 hrs
FIL 4906 Directed Independent Study 1 hr

Cinema Studies
FIL 3051 Avant-Garde Cinema 3 hrs
FIL 3804C Film Theory and Criticism II 3 hrs
FIL 3820 Italian Film 3 hrs
FIL 3822 French Film 3 hrs
FIL 3823 German Film 3 hrs
FIL 3824 Italian Neo-Realist Cinema 3 hrs
FIL 3826 American Cinema 3 hrs
FIL 3831 Black Cinema 3 hrs
FIL 3841 French New Wave Cinema 3 hrs
FIL 3847 Latin American Cinema 3 hrs
FIL 3871 The American Film Artist 3 hrs
FIL 3880C Images of Women in Film 3 hrs
FIL 4436 Film Theory/Film Production 3 hrs

Digital Cinema
ART 2823 Art as Interface 3 hrs
ART 3618C Post-Production Design 3 hrs
COP 3502C Computer Science I 3 hrs
DIG 3134 Media Software Design 3 hrs
DIG 3138C Digital Imagery 3 hrs
DIG 4780C Modeling for Realtime Systems 3 hrs
DIG 4855 Converging Media Capstone 3 hrs
ENC 4415 Digital Rhetorics and The Modern Dialectic 3 hrs
MUC 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  
- None

11. Departmental Exit Requirements  
- A student must maintain an overall average of a “B” (3.0) or better in major courses.  
- Department of Film requires an exit interview.

Computer Competency met by one of the following:  
- 3 hrs  
  CGS 1060C  Introduction to Computer Science
- 3 hrs  
  FIL 2552C  Editing I or
- 3 hrs  
  STA 1060C  Basic Statistics Using Microsoft Excel

12. University Minimum Exit Requirements  
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required  
- 120

Honors In Major  
- None

Related Programs  
- Art  
- Digital Media  
- English - Creative Writing  
- Film - Cinema Studies Track  
- Film - World Cinema Track  
- Music  
- Radio - Television  
- Theatre

Certificates  
- None

Related Minors  
- Art - Studio  
- Digital Media  
- English - Creative Writing  
- Film - Cinema Studies  
- Music  
- Theatre

Advising Notes  
- None

Transfer Notes  
- Courses taken at community colleges do not substitute for Upper Division courses.  
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses  
- FIL 2030 may substitute for FIL 1000, but FIL 2030 is a prerequisite for subsequent Film courses and still must be taken.  
- FIL 1007 may use any introductory film writing course. However, FIL 1008 is a prerequisite for all major courses and must be taken

Plan of Study

Freshman Year - Fall  
ENC 1101  Composition I  3 hrs  
FIL 1007  Foundations of Story  3 hrs  
FIL 1008  Cinematic Expression 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 2552C  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 4647  Film Production Management  3 hrs  
FIL 4661  The Film Producer  3 hrs  
FIL XXXX - Elective

Senior Year - Fall  
FIL 4434C  Capstone I  3 hrs  
FIL XXXX - Elective  
FIL XXXX - Elective

Senior Year - Spring  
FIL 4573C  Capstone II  3 hrs  
FIL XXXX - Elective

Program Academic Learning Compacts  
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:  
  http://www.oead.ucf.edu/alc/academic_learning_compacts.htm

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

Film - Cinema Studies Track (B.A.)
College of Arts and Humanities
Department of Film, Nicholson School of Communication, Room: 121
http://www.film.cah.ucf.edu
E-mail: film@mail.ucf.edu

Mr. Steve Schlow, 407-823-2845
Phone: 407-823-4285

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students are required to maintain an overall average of “C” (2.0) or better in major courses.
- Film production/directing courses are not open to Cinema Studies majors.
- Cinema Studies Track is not an entrance into the BFA Film Program.
- Internship credit can be used in this major.
- Students must consult with a departmental advisor each semester.
- Departmental Residency Requirement consists of at least 48 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Film Department.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   Prefer FIL 2030 History of Motion Pictures 3 hrs
   Prefer one course from 1.B.1 list 3 hrs
   Prefer one course from 1.B.1 or 1.B.2 list 3 hrs
   C: Mathematical Foundations (6 hrs)
   1 Suggested MGF 1106 Finite Mathematics 3 hrs
   Select 1: 3 hrs
   Prefer CGS 1060C Introduction to Computer Science or STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
   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 Transition Services section for more information.
   1 FIL 1007 Foundations of Story 3 hrs
   1 FIL 2030 History of Motion Pictures 3 hrs
   1 See Transfer Notes for possible substitutes

3. Core Requirements: Basic Level (12 hrs)
   DIG 2000 Introduction to Digital Media 3 hrs
   FIL 1006 Cinematic Expression/Aesthetics 3 hrs
   FIL 2107 Script Analysis 3 hrs
   FIL 2423 Foundations of Production 3 hrs

4. Core Requirements: Advanced Level (36 hrs)
   FIL 3006 Art of the Cinema 3 hrs
   FIL 3036 Film History I 3 hrs
   FIL 3037 Film History II 3 hrs
   FIL 3051 Avant-Garde Cinema 3 hrs
   FIL 3383C Film Documentary 3 hrs
   FIL 3462C Cinematic Expression 3 hrs
   FIL 3803C Film Theory and Criticism I 3 hrs
   FIL 3804C Film Theory and Criticism II 3 hrs
   FIL 3826 American Cinema 3 hrs
   FIL 3845 World Cinema Traditions 3 hrs
   FIL 4661 The Film Producer 3 hrs

Select 1: 3 hrs
   FIL 3102 Writing for Film and TV or FIL 3115 Short Script I 3 hrs

5. Restricted Electives (9 hrs)
   Select three courses from the following upper level FIL courses:
   - A maximum of 6 hours Independent Study and/or internship credit may be used
   - DIG 4704 Interactive Entertainment 3 hrs
   - DIG 4855 Converging Media Capstone 3 hrs
   - FIL 3041 History of Animated Films I 3 hrs
   - FIL 3820 Italian Film 3 hrs
   - FIL 3822 French Film 3 hrs
   - FIL 3823 German Film 3 hrs
   - FIL 3824 Italian Neo-Realist Cinema 3 hrs
   - FIL 3831 Black Cinema 3 hrs
   - FIL 3841 French New Wave Cinema 3 hrs
   - FIL 3842 International Cinema 3 hrs
   - FIL 3847 Latin American Cinema 3 hrs
   - FIL 3850 Cinema Directors 3 hrs
   - FIL 3852 Cinema Criticism Writing 3 hrs
   - FIL 3871 The American Film Artist 3 hrs
   - FIL 3880C Images of Women in Film 3 hrs
   - FIL 4436 Film Theory/Film Production 3 hrs
   - FIL 4906 Directed Independent Study 3 hrs
   - FIL 5612 Film and Internet Business 3 hrs

6. Capstone Requirements
- None

7. Foreign Language Requirements
   Admissions
   - Met by graduation requirement.

Graduation
   - Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
   - Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
    - Must be taken outside the Film Department. (18 hrs min)

11. Departmental Exit Requirements
    - A student must maintain an overall average of “C” (2.0) or better in major courses.
    - Computer competency met by one of the following:
      - CGS 1060C Introduction to Computer Science 3 hrs
      - FIL 1006 Cinematic Expression/Aesthetics 3 hrs
      - STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors in Major
- None
Related Programs
- Art
- English - Creative Writing
- Film
- Film - World Cinema Track
- Music
- Radio - Television
- Theatre

Certificates
- None

Related Minors
- Art - Studio
- English - Creative Writing
- Music
- Theatre

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information

Acceptable Substitutes for Transfer Courses

Acceptable substitutes for Common Program Prerequisites
FIL 2030 may substitute for FIL 1000, but FIL 2030 is a prerequisite for subsequent Film courses and still must be taken. FIL 1007 may use any introductory film writing course. However, FIL 1007 is a prerequisite for all major courses and must be taken.

Plan of Study
- A minor is required. This Plan of Study includes 18 credit hours for a minor. Please check the requirements for a desired minor as more coursework may be required.

Freshman Year - Fall
ENC 1101 Composition I 3 hrs
FIL 1007 Foundations of Story 3 hrs
FIL 2030 History of Motion Pictures 3 hrs
Foreign Language I 4 hrs

Freshman Year - Spring
ENC 1102 Composition II 3 hrs
FIL 1009 Cinematic Expression/Aesthetics 3 hrs
FIL 2107 Script Analysis 3 hrs
Foreign Language II 4 hrs

Freshman Year - Summer
GEP 3 hrs
GEP 3 hrs
GEP 3 hrs

Sophomore Year - Fall
FIL 2423 Foundations of Production 3 hrs
FIL 3006 Art of the Cinema 3 hrs
FIL 3036 Film History I 3 hrs
GEP 3 hrs
GEP 3 hrs

Sophomore Year - Spring
DIG 2000 Introduction to Digital Media 3 hrs
FIL 3037 Film History II 3 hrs

Take one of the following 3 hrs
FIL 3102 Writing for Film and TV or
FIL 3115 Short Script I 3 hrs
GEP 3 hrs
GEP 3 hrs

Junior Year - Fall
FIL 3363C Film Documentary 3 hrs
FIL 3803C Film Theory and Criticism I 3 hrs
FIL XXXX - Elective 3 hrs
GEP 3 hrs
Minor 3 hrs

Junior Year - Spring
FIL 3462C Cinematic Expression 3 hrs
FIL 3804C Film Theory and Criticism II 3 hrs
FIL 4661 The Film Producer 3 hrs
GEP 3 hrs
Minor 3 hrs

Senior Year - Fall
FIL 3826 American Cinema 3 hrs
FIL 3845 World Cinema Traditions 3 hrs
FIL XXXX - Elective 3 hrs
Minor 6 hrs

Senior Year - Spring
FIL 3051 Avant-Garde Cinema 3 hrs
FIL XXXX - Elective 3 hrs
Minor 6 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

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

Film - World Cinema Track (B.A.)
Department of Film, Nicholson School of Communication, Room: 121
http://www.film.ucf.edu
E-mail: film@mail.ucf.edu
Mr. Steve Schlow
Phone: 407-823-2845

Admission Requirements
- The Film-World Cinema track is a limited access program.
- Students must attain an overall minimum 2.5 GPA before applying.
- Students should apply to become Film majors only after completing all requirements for admission to the University.
- A portfolio and an interview are required for entry into the Film World Cinema track.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students are required to maintain an overall average grade of “B” (3.0) or better in courses within the major.
- A maximum of three credit hours on internship may be earned in one semester. A total of six credit hours of internship may be earned within the 120 credit hours required for graduation.
- Students should consult with a departmental advisor.
- All students are required to pay a fee for equipment insurance.
- Departmental residency requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Film Department.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
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 Prefer MGF 1106 Finite Mathematics 3 hrs

Select 1:
- Prefer CGS 1060C Introduction to Computer Science or 3 hrs
- Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

1 (May substitute a higher level math)

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (3 hrs)
- See “Common Prerequisites” in the Transfer and Transitions section for more information.
- 1 FIL 1007 Foundations of Story 3 hrs
- 1 FIL 2030 History of Motion Pictures GEP

1 See Transfer Notes for possible substitutes

3. Core Requirements: Basic Level (18 hrs)
- DIG 2000 Introduction to Digital Media 3 hrs
- FIL 1009 Cinematic Expression for Majors 3 hrs
- FIL 2107 Script Analysis 3 hrs
- FIL 2461 Cinematography I 3 hrs
- FIL 2480 Directing for Film I 3 hrs
- FIL 2552C Editing I 3 hrs

4. Core Requirements: Advanced Level (39 hrs)
- FIL 3035 Film History I 3 hrs
- FIL 3115 Short Script I 3 hrs
- FIL 3304C Documentary Vision 3 hrs
- FIL 3307 Docudrama 3 hrs
- FIL 3383C Film Documentary 3 hrs
- FIL 3427C Introduction to Film Production 3 hrs
- FIL 3534 Sound Design for Film I 3 hrs
- FIL 3803C Film Theory and Criticism I 3 hrs
- FIL 3845 World Cinema Traditions 3 hrs
- FIL 4301C Documentary Workshop I 3 hrs
- FIL 4302C Documentary Workshop II 3 hrs
- FIL 4602 Film Business 3 hrs
- FIL 4647 Film Production Management 3 hrs

5. Restricted Electives (9 hrs)

Select 3:
- Additional courses may be acceptable. Consult your advisor.
- FIL 3804C Film Theory and Criticism II or 3 hrs
- FIL 3847 Latin American Cinema or 3 hrs
- FIL 4681 The Film Producer or 3 hrs
- FIL 4808 Images and Text in Context or 3 hrs
- FIL 4844 Africana Cinema 3 hrs

6. Capstone Requirements (6 hrs)
- FIL 4434C Capstone I 3 hrs
- FIL 4573C Capstone II 3 hrs

7. Foreign Language Requirements

Admissions
- Met by graduation requirement.

Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Foreign Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- A student must maintain an overall average of “B” (3.0) or better in courses within the major.
- Department of Film requires a passing grade on an exit examination.
- Computer Competency met by one of the following:
  - CGS 1060C Introduction to Computer Science 3 hrs
  - FIL 2552C Editing I 3 hrs
  - STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors in Major
- None

Related Programs
- Art
- Digital Media
- English - Creative Writing
- Film
- Film - Cinema Studies Track
- Music
- Radio - Television
- Theatre

Certificates
- None

Related Minors
- African American Studies
- Asian Studies
- Digital Media
- English - Creative Writing
- Film - Cinema Studies
- International and Global Studies
- Latin American Area Studies
- Women’s Studies

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- Acceptable substitutes for Common Program Prerequisites
  - FIL 2030 may substitute for FIL 1000, but FIL 2030 is a prerequisite for subsequent Film courses and still must be taken
  - FIL 1007 may use any introductory film writing course.
- However, FIL 1007 is a prerequisite for all major courses and must be taken

Plan of Study
- None
Finance (B.S.B.A.)

College of Business Administration
Department of Finance, Business Administration I,
Room: 409

Students seeking advising must go to BA 2 room 101.
http://web.bus.ucf.edu/academics/finance/
Phone: 407-823-3575

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

Admission Requirements
- Completion of the UCF General Education Program, Golden Rule, and CLAS or an AA degree from a Florida public community college
- See Common Program Prerequisites

Degree Requirements
- Students who change their degree programs should adopt the most current catalog.
- Only grades "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each common program prerequisites class.
- Final exams will be given during exam week.
- Any student receiving a 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 must earn at least a 2.0 GPA in the major and CBA.
- Students majoring in finance must earn a grade of "C" (2.0) or better in each course applied toward the major, and a 2.0 overall average in the major. The following is included in this requirement:

1. UCF General Education Program (GEP) (36 hrs)
   - A: Communication Foundations (9 hrs)
     Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs
   - B: Cultural & Historical Foundations (9 hrs)
   - C: Mathematical Foundations (6 hrs)
     Required MAC 1140 Pre-Calculus Algebra 3 hrs
   - D: Social Foundations (6 hrs)
     Select 1: Suggested ECO 2013 Principles of Macroeconomics or 3 hrs
     Select 2: Suggested ANT 2000 General Anthropology or 3 hrs

2. Common Program Prerequisites (CPP) (18 hrs)
   - Must be completed with a "C" (2.0) or better.
   - See "Common Prerequisites" in the Transfer and Transitions services section for more information.

   ACG 2021 Principles of Financial Accounting 3 hrs
   ACG 2071 Principles of Managerial Accounting 3 hrs
   CGS 2100C Computer Fundamentals for Business 3 hrs
   ECO 2013 Principles of Macroeconomics 3 hrs
   ECO 2023 Principles of Microeconomics 3 hrs

   Select one of the following sequences of courses:
   - Students who have not completed MAC 2233 and STA 2023 with a "C" (2.0) or better must take ECO 3401.
     ECO 3401 Quantitative Business Tools I 3 hrs
     or
     MAC 2233 Concepts of Calculus and 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:
     BUL 3130 Legal and Ethical Environment of Business 4 hrs
     ECO 3411 Quantitative Business Tools II 4 hrs
     FIN 3403C Business Finance 3 hrs
     1-geb 3031 Cornerstone: Professional Skills for Business 3 hrs
     GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
     GEB 3375 Introduction to International Business 4 hrs
     ISM 3011C Essentials of Management Information Systems 4 hrs
     MAN 3025 Management of Organizations 4 hrs
     MAR 3023 Marketing 4 hrs

4. Core Requirements: Advanced Level (18 hrs)
   - 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
   - Select 2: 6 hrs
     - FIN 4524 Commercial Bank Management or 3 hrs
     - FIN 4424 Advanced Topics in Financial Management or 3 hrs
     - FIN 4514 Portfolio Analysis and Management or 3 hrs
     - FIN 4533 Financial Derivatives or 3 hrs
     - FIN 4604 International Financial Management 3 hrs

5. Restricted Electives (6 hrs)
   - Select 2: 6 hrs
     - ACG 3131 Financial Accounting Concepts and Analysis or 3 hrs
     - ACG 3141 Intermediate Financial Accounting II or 3 hrs
     - ACG 3361 Cost Accounting I or 3 hrs
     - ECO 4412 Econometrics or 3 hrs
     - FIN 3461 Financial Statement Analysis or 3 hrs
     - FIN 4424 Commercial Bank Management or 3 hrs
     - FIN 4524 Advanced Topics in Financial Management or 3 hrs
     - FIN 4514 Portfolio Analysis and Management or 3 hrs
     - FIN 4533 Financial Derivatives or 3 hrs
     - FIN 4604 International Financial Management or 3 hrs
     - 1 FIN 4903H Honors Directed Reading I or 1 hr
     - FIN 4941 Finance Internship or 3 hrs
     - 1 FIN 4970H Undergraduate Honors Thesis or 1 hr
     - GEB 4374 International Negotiations and Transactions or 3 hrs
     - MAR 3391 Professional Selling or 3 hrs
     - REE 3043 Fundamentals of Real Estate or 3 hrs
     - REE 3373 Real Estate Law or 3 hrs
     - REE 4103 Real Estate Appraisal and Valuation or 3 hrs
     - REE 4203 Commercial Real Estate Finance or 3 hrs
UCF Degree Programs

RE 4204  Residential Real Estate Finance or  3 hrs
RE 4303  Real Estate Investment Analysis or  3 hrs
RE 4732  Real Estate Development or  3 hrs
RE 4933  Advanced Topics in Real Estate or  3 hrs
TAX 4001  Taxation of Business Entities and Transactions  3 hrs

1 Must be in the UCF Honors in the Major Program. See http://www.honors.ucf.edu for details.

6. Capstone Requirements (4 hrs)
   MAN 4720  Strategic Management  4 hrs
   This course should be taken in the graduating term and requires the following prerequisites:
   FIN 3403C  Business Finance  4 hrs
   GEB 3051  Cornerstone: Professional Skills for Business  3 hrs
   MAN 3025  Management of Organizations  4 hrs
   MAR 3023  Marketing  4 hrs

7. Foreign Language Requirements
   Admissions
   Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation
   Graduation
   None

8. Electives
   (variable)

9. Additional Requirements
   None

10. Required Minors
   None

11. Departmental Exit Requirements
   None

12. University Minimum Exit Requirements
   A 2.0 UCF GPA
   60 semester hours earned after CLEP awarded
   48 semester hours of upper division credit completed
   30 of the last 39 hours of course work must be completed in residence at UCF
   A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
   Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
120

Honors In Major
None

Related Programs
None

Certificates
Finance: Banking

Finance: Corporate Finance

Finance: Investments

Related Minors
None

Advising Notes
Florida Public Community College students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

Transfer Notes
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools 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
- General electives as required to reach 120 semester hours.

The department recommends completing FIN 2100 (Personal Finance) as a general elective, prior to the junior year.

Freshman Year - Fall 15 hrs
ENC 1101  Composition I  3 hrs
MAC 1105  College Algebra  3 hrs
SPC 1608  Fundamentals of Oral Communication  3 hrs
Cult-Hist I  3 hrs
Elective  3 hrs

Freshman Year - Spring 15 hrs
CGS 2100C  Computer Fundamentals for Business  3 hrs
ENC 1102  Composition II  3 hrs
Cult-Hist II  3 hrs
Art/Music/Lit  3 hrs
Elective  3 hrs

Sophomore Year - Fall 15 hrs
ACG 2021  Principles of Managerial Accounting  3 hrs
ECO 2023  Principles of Microeconomics  3 hrs
Science  3 hrs
Psy/Ant/Soc  3 hrs
Elective  3 hrs

Sophomore Year - Spring 15 hrs
ACG 2071  Principles of Managerial Accounting  3 hrs
ECO 2023  Principles of Microeconomics  3 hrs
ECO 3401  Quantitative Business Tools I  3 hrs
Science  3 hrs
Elective  3 hrs

Junior Year - Fall 16 hrs
FIN 3403C  Business Finance  4 hrs
GB 3051  Cornerstone: Professional Skills for Business  3 hrs
GEB 3375  Introduction to International Business  4 hrs
MAR 3023  Marketing  4 hrs

Junior Year - Spring 17 hrs
ECO 3411  Quantitative Business Tools II  4 hrs
FIN 3303  Financial Markets  3 hrs
FIN 3414  Intermediate Corporate Finance  3 hrs
FIN 3504  Investment Analysis  3 hrs
MAN 3025  Management of Organizations  4 hrs

Senior Year - Fall 14 hrs
BUL 3130  Legal and Ethical Environment of Business  4 hrs
ISM 3011C  Essentials of Management Information Systems  4 hrs
FIN Elective  3 hrs
FIN Elective  3 hrs
200 Undergraduate Catalog 2010-2011
Education Rule 6A-5.066. Degree requirements are subject to designed in compliance with Florida Statutes and State Board of division education courses.

Students should be completed prior to admission to the major and upper Program) and 2 (Education Common Program Prerequisites) courses with a minimum letter grade of “C-” (1.75) or better (natives or waivers are accepted)

Meet the foreign language admission requirement

Meet the Gordon Rule Requirement

Complete all Education Common Program Prerequisite courses with a minimum letter grade of “C-” (1.75) or better

Meet the foreign language admission requirement

Degree Requirements

Students are advised to take the preferred courses.

The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.

This is a state-approved, initial teacher preparation program

Meet the foreign language admission requirement

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

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

■ Students are advised to take the preferred courses.

A: Communication Foundations (9 hrs)

Required ENC 1101 Composition I 3 hrs

Required ENC 1102 Composition II 3 hrs

Prefer SPC 1908 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)

Prefer AMH 2010 U.S. History: 1492-1877 3 hrs

Prefer AMH 2020 U.S. History: 1877-Present 3 hrs

Prefer PHI 2010 Introduction to Philosophy 3 hrs

C: Mathematical Foundations (6 hrs)

Select 1: 3 hrs

Prefer STA 1060C Basic Statistics Using Microsoft Excel or

Prefer STA 2014C Principles of Statistics 3 hrs

Select 1: 3 hrs

Suggested MGF 1106 Finite Mathematics or

Suggested MGF 1107 Explorations in Mathematics 3 hrs

D: Social Foundations (6 hrs)

Prefer POS 2041 American National Government 3 hrs

Prefer PSY 2012 General Psychology 3 hrs

E: Science Foundations (6 hrs)

Prefer PSC 1121 Physical Science 3 hrs

Select 1: 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 (6 hrs)

EDF 2130 Child and Adolescent Development for Educators 3 hrs

FRE 2201 Intermediate French Language and Civilization I 3 hrs

4. Core Requirements: Advanced Level (69 hrs)

Education Core Requirements 18 hrs

■ Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.

■ Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.

EDF 4467 Learning Theory and Assessment 3 hrs

EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs

EDG 4410 Teaching Strategies and Classroom Management 3 hrs

EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs

RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs

TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

1. Required prior to Internship I.

2. Community College transfer students may substitute EEX 2010 Introduction to Special Education.

Internship I 3 hrs

■ Program Internship I Prerequisites: EDG 4410, EDF 4467, FRE 4421, 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

1. Foreign Language Teaching in Elementary Schools 3 hrs

2. Foreign Language Teaching in the Secondary School 3 hrs

FRE 3300 French Grammar 3 hrs

FRE 3420 French Composition 3 hrs

FRE 3760 Advanced French Oral Communication 3 hrs

FRE 4421 Advanced French Conversation 3 hrs

FRE 4422 Advanced French Composition 3 hrs

FRW 3100 Survey of French Literature I 3 hrs

FRW 3101 Survey of French Literature II 3 hrs

Upper division restricted electives (FRE/FRW 3/4XXX with advisor’s consent) 6 hrs

1. Required prior to Internship I.

2. FRE 3410 and FRE 3423 may substitute for FRE 4421 and FRE 4422.
UCF Degree Programs

Other Cognate Requirements (Linguistics) 3 hrs
FRE 3780 French Phonetics and Diction 3 hrs

Internship II 12 hrs
■ At least 80% of all required foreign language courses and all methods courses must be completed with a letter grade of “C-” (1.75) or better before registering for Internship II. All methods courses and at least 80% of all specialization courses must be completed with a letter grade of “C-” (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admision to Internship II.
■ Passing score on the Subject Area Examination (French K-12) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II.
■ Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/
■ Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education Rule 6A-5.066.
FLE 4941 Internship 12 hrs

5. Restricted Electives (0 hrs)
■ None

6. Capstone Requirements
■ None

7. Foreign Language Requirements
Admissions
■ State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)
Graduation
■ None

8. Electives
■ None

9. Additional Requirements
■ None

10. Required Minors
■ None

11. Departmental Exit Requirements
■ Achieve a minimum 2.5 GPA in all courses within the major.
■ Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
■ Pass all applicable sections of the Florida Teacher Certification Examination.

12. University Minimum Exit Requirements
■ A 2.0 UCF GPA
■ 60 semester hours earned after CLEP awarded
■ 48 semester hours of upper division credit completed
■ 30 of the last 39 hours of course work must be completed in residency at UCF
■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
■ Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
■ 120

Honors In Major
■ None
### Foreign Language Education - Spanish (B.S.)

**College of Education**

**Department of Teaching and Learning Principles,**

**Education Building, Room: 209**

[http://www.education.ucf.edu/language](http://www.education.ucf.edu/language)

**E-mail: kverkler@mail.ucf.edu**

Dr. Karen Verkler, ED 220L

Dr. Janet Andreassen, ED 123Q, jan andreas@email.ucf.edu, 407-823-5430

Phone: 407-823-5235

#### Admission Requirements

- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university
- Have a minimum 2.5 overall GPA
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of “C-” (1.75) or better.
- Meet the Gordon Rule Requirement.
- Meet the foreign language admission requirement.

#### Degree Requirements

- Students should see an advisor prior to registering for classes
- The foreign language admission requirement applies.

1. **UCF General Education Program (GEP)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required ENC 1101 Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Required ENC 1109 Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Select 1:</td>
<td></td>
</tr>
<tr>
<td>STA 1060C Basic Statistics Using Microsoft</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 2014C Principles of Statistics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

2. **Social Foundations**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 2005 Introduction to the Teaching Profession</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDF 2085 Introduction to Diversity for Educators</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EME 2040 Introduction to Technology for Educators</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

3. **Core Requirements: Basic Level**

4. **Core Requirements: Advanced Level**

#### Education Core Requirements

- 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
  - TSL 4080 Theory and Practice of Teaching ESOL

1. **Internship I**

   - Required prior to Internship I

2. **Internship II**

   - Community College transfer students may substitute EEX 2010 Introduction to Special Education.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLE 3941 Internship</td>
<td>12 hrs</td>
</tr>
</tbody>
</table>

**Foreign Language Education - Spanish (B.S.)**

**Program Academic Learning Compacts**

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oecs.ucf.edu/alic/academic_learning_compacts.htm](http://www.oecs.ucf.edu/alic/academic_learning_compacts.htm)
Specialization Requirements 27 hrs

1. FLE 4314 Foreign Language Teaching in Elementary Schools 3 hrs
2. FLE 4333 Foreign Language Teaching in the Secondary School 3 hrs
SPN 3300 Advanced Spanish Grammar and Composition 3 hrs
SPN 3344 Advanced Spanish Native Fluency I 3 hrs
SPN 3345 Advanced Spanish Native Fluency II 3 hrs
SPN 3420 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

1 Required prior to Internship I
2 SPW 3130 and SPW 3131 may substitute for SPW 3100 and SPW 3101.

Upper Division Restricted Electives 6 hrs

Community college transfer students may substitute lower division restricted electives.

Select two upper division Spanish courses (SPN 3/4XXX) 6 hrs with advisor’s consent. The following courses are recommended:

1. SPN 4410 Advanced Spanish Conversation 3 hrs
2. SPN 4421 Advanced Spanish Composition 3 hrs
3. SPN 4510 Spanish Civilization and Culture 3 hrs
4. SPN 4520 Latin American Civilization and Culture 3 hrs

Other Cognate Requirements 3 hrs

Select 1: 3 hrs

1. SPN 3852 Bilinguismo 3 hrs
2. SPN 4800 Spanish-American Syntax or 3 hrs
3. SPN 4801 Spanish Morphosyntax 3 hrs

Internship II Block 12 hrs

At least 80% of all required foreign language courses and all methods courses must be completed with a letter grade of "C-" (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.

Passing score on the Subject Area Examination (Spanish K-12) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II. Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.clinicalexperiences.education.ucf.edu.

Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education Rule 6A-5.066.

FLE 4941 Internship 12 hrs

5. Restricted Electives (0 hrs)

None

6. Capstone Electives

None

7. Foreign Language Requirements

Admissions

State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation

None

8. Electives

None

9. Additional Requirements

None

10. Required Minors

None

11. Departmental Exit Requirements

Achieve a minimum 2.5 GPA in all courses within the major.
Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
Pass all applicable sections of the Florida Teacher Certification Examination.

12. University Minimum Exit Requirements

A 2.0 UCF GPA
60 semester hours earned after CLEP awarded
48 semester hours of upper division credit completed
30 of the last 39 hours of course work must be completed in residency at UCF
A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

120

Honors In Major

None

Related Programs

None

Certificates

None

Related Minors

None

Advising Notes

None

Transfer Notes

None

Acceptable Substitutes for Transfer Courses

None

Plan of Study

Recommended Four Year Sequence of Courses

Freshman Year - Fall 12 hrs
EDF 2005 Introduction to the Teaching Profession 3 hrs
ENC 1101 Composition I 3 hrs
MGF 1106 Finite Mathematics 3 hrs
PSY 2012 General Psychology 3 hrs

Freshman Year - Spring 12 hrs
EDF 2085 Introduction to Diversity for Educators 3 hrs
ENC 1102 Composition II 3 hrs
POS 2041 American National Government 3 hrs
PSC 1212 Physical Science 3 hrs

Freshman Year - Summer 3 hrs
EME 2040 Introduction to Technology for Educators 3 hrs

Sophomore Year - Fall 15 hrs
AMH 2010 U.S. History: 1492-1877 3 hrs
EDF 2130 Child and Adolescent Development for Educators 3 hrs
EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
SPO 1608 Fundamentals of Oral Communication 3 hrs

Select 1: 3 hrs

1. STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
2. STA 2014C Principles of Statistics 3 hrs

2 Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

Sophomore Year - Spring 12 hrs
AMH 2020 U.S. History: 1877-Present 3 hrs
PHI 2010 Introduction to Philosophy 3 hrs
SPN 3234 Advanced Directed Readings 3 hrs
## Forensic Science - Analysis Track (B.S.)

### College of Sciences

#### Department of Chemistry, Chemistry, Room: 306A

http://chemistry.cos.ucf.edu/

**E-mail:** chemistry@ucf.edu

Dr. G. Mattson, mattson@mail.ucf.edu, 407-823-1522

Phone: 407-823-2246

#### Admission Requirements

- None

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### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Chemistry
- Co-op credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Students must complete categories 2 (Common Program Prerequisites) and 3 (Core Requirements: Basic Level) below and achieve a minimum 2.5 cumulative GPA in categories 2 and 3 prior to enrolling in the courses described in categories 4 and 5.
- Students must maintain a minimum 2.5 cumulative GPA in categories 4 and 5 to continue in the major.
- Individual course prerequisites for enrollment in courses selected to complete categories 4 and 5 will be enforced.
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. **UCF General Education Program (GEP)** (39 hrs)
   - Note: Certain courses must be selected in the GEP for this major, which brings the GEP hours above 36

   **A: Communication Foundations** (9 hrs)
   - Required ENC 1101 Composition I
   - Required ENC 1102 Composition II
   - Prefer SPC 1603 Fundamentals of Technical Presentations

   **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

   **D: Social Foundations** (6 hrs)
   - Required BSC 2010C Biology I
   - Required PHY 2049C Physics for Engineers & Scientists I

   **E: Science Foundations** (8 hrs)
   - Required BSC 2010C Biology I
   - Required PHY 2049C 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.

3. **Core Requirements: Basic Level** (18 hrs)
   - Core Science and Math Requirements (18 hrs)

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### UCF Degree Programs

**University of Central Florida**

205 Undergraduate Catalog 2010-2011
UCF Degree Programs

4. Core Requirements: Advanced Level (34 hrs)

A. Forensic Science Core: 18 hrs
- CHS 3501 Introduction to Forensic Science 3 hrs
- CHS 3505C Forensic Microscopy 4 hrs
- CHS 3533 Forensic Biochemistry I 2 hrs
- CHS 3595 Forensic Science in the Courtroom 3 hrs
- CHS 4537 Forensic Laboratory Quality Assurance 2 hrs
- CHS 4591 Forensic Science Internship 4 hrs

B. Forensic Analysis Track: 16 hrs
- CHM 3222 Applied Physical Chemistry 3 hrs
- CHM 4130 Advanced Analytical Laboratory Technique 3 hrs
- CHM 4130L Advanced Analytical Chemistry Laboratory 2 hrs
- CHS 3511C Trace Evidence 4 hrs
- CHS 3530C Forensic Analysis of Controlled Substances 4 hrs

5. Restricted Electives (12 hrs)
Select 12 hours from the following:
- Note: Substitutions require prior approval by the department.
- ANT 4521C Forensic Anthropology 3 hrs
- BCH 4053 Biochemistry I 3 hrs
- CHM 3212L Organic Laboratory Techniques II 2 hrs
- CHM 4912 Directed Independent Research 1 hr
- CHS 4506C Forensic Investigation Technology 3 hrs
- CHS 4515C Forensic Crime Scene Investigation 4 hrs
- CHS 4547C Advanced Topics in Trace Analysis 3 hrs
- PCB 3063L Genetics Laboratory 1 hr
- PCB 3233L Immunology Laboratory 1 hr

6. Capstone Requirements
- None

7. Foreign Language Requirements
Admissions
- Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- Select primarily from upper level courses after consulting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Earn a grade of "C" (2.0) or better in each course used to satisfy categories 2, 3, 4, and 5 of the degree requirements.
- Achieve at least a minimum overall 2.5 GPA in all courses used to satisfy categories 2 and 3 of the departmental degree requirements.
- Achieve at least a minimum overall 2.5 GPA in all courses used to satisfy categories 4 and 5 of the departmental degree requirements.
- Computer Competency met by
  - CHS 3505C Forensic Microscopy 4 hrs
  - CHS 4537 Forensic Laboratory Quality Assurance 2 hrs
- The last 30 credit hours of regularly scheduled courses that satisfy degree requirements must be taken in Residence at UCF
- Before applying to graduate, the CLAS must be completed.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 124

Honors in Major
- None

Related Programs
- Chemistry
- Forensic Science - Biochemistry Track

Certificates
- None

Related Minors
- Chemistry

Advising Notes
- None

Transfer Notes
- Lower Division courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- CHM 2045C: may use CHM X040 plus CHM X041.
- Calculus: Although other math courses may satisfy the CPP, the specified courses are required in the major and still must be taken.
- Physics: Although CPP requirements permit substitution by Organic Chemistry, all the specified courses are required for graduation and still must be taken.

Plan of Study
- One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or 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
- CHM 2045C Chemistry Fundamentals I 4 hrs
- ENC 1101 Composition I 3 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs

Freshman Year - Spring 15 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- CHS 3501 Introduction to Forensic Science 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- PHY 2048C Physics for Engineers & Scientists I 4 hrs

Sophomore Year - Fall 16 hrs
- GEP 3 hrs
- CHM 2210 Organic Chemistry I 3 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs
- SPC 1603 Fundamentals of Technical Presentations 3 hrs
- STA 2023 Statistical Methods I 3 hrs

Sophomore Year - Spring 14 hrs
- GEP 3 hrs
- Restricted Elective 3 hrs
- CHM 2211 Organic Chemistry II 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs
- ENC 1102 Composition II 3 hrs

Junior Year - Fall 14 hrs
- Free Elective 1 hr
- CHM 3120 Analytical Chemistry 3 hrs
- CHM 3120L Analytical Chemistry Laboratory 1 hr
- CHS 3505C Forensic Microscopy 4 hrs
- CHS 4537 Forensic Laboratory Quality Assurance 2 hrs
- PCB 3063 Genetics 3 hrs

UNIVERSITY OF CENTRAL FLORIDA

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Junior Year - Spring
GEP 14 hrs
Restricted Elective
CHM 4130
CHM 4130L
GHS 3595
Senior Year - Fall
16 hrs
GEP
Free Elective
Free Elective
CHM 3422
CHS 3530C
PCB 3233
Senior Year - Spring
16 hrs
GEP
Restricted Elective
Restricted Elective
Free Elective
CHS 3511C
Senior Year - Summer
4 hrs
CHS 4591
Program Academic Learning Compacts
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm
Equipment Fees
Part-Time Student: $45 per term
Full-Time Student: $90 per term
Forensic Science - Biochemistry Track (B.S.)
College of Sciences
Department of Chemistry, Chemistry, Room: 306A
http://chemistry.cos.ucf.edu/
E-mail: chemistry@ucf.edu
Dr. G. Mattson, mattson@mail.ucf.edu, 407-823-1522
Phone: 407-823-2246
Admission Requirements
None
Degree Requirements
Students who change degree programs and select this major must adopt the most current catalog.
Departmental Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Chemistry.
Co-op credit cannot be used in this major.
Students should consult with a departmental advisor.
Students must complete categories 2 (Common Program Prerequisites) and 3 (Core Requirements: Basic Level) below and achieve a minimum 2.5 cumulative GPA in categories 2 and 3 prior to enrolling in the courses described in categories 4 and 5.
Students must maintain a minimum 2.5 cumulative GPA in categories 4 and 5 to continue in the major.
Individual course prerequisites for enrollment in courses selected to complete categories 4 and 5 will be enforced.
Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
1. UCF General Education Program (GEP) (39 hrs)
   Certain courses must be selected in the GEP for this major, which brings the GEP hours above 36.
   A: Communication Foundations (9 hrs)
   Required: ENC 1101 Composition I 3 hrs
   Required: ENC 1102 Composition II 3 hrs
   Prefer: SPC 1603 Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (7 hrs)
   Required: MAC 2311 Calculus with Analytic Geometry I 4 hrs
   Required: STA 2023 Statistical Methods I 3 hrs
D: Social Foundations (6 hrs)
E: Science Foundations (8 hrs)
   Required: BSC 2010C Biology I 4 hrs
   Required: PHY 2048C 4 hrs
2. Common Program Prerequisites (CPP) (16 hrs)
   See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
   BSC 2010C Biology I GEP
   CHM 2045C Chemistry Fundamentals I 4 hrs
   CHM 2046 Chemistry Fundamentals II 3 hrs
   CHM 2046L Chemistry Fundamentals Laboratory 1 hr
   MAC 2311 Calculus with Analytic Geometry I GEP
   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 (20 hrs)
   Core Science and Mathematics Requirements
   BSC 2010C Biology I GEP
   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
   MAC 2311 Calculus with Analytic Geometry I GEP/CPP
   MAC 2312 Calculus with Analytic Geometry II CPP
   PCB 3063 Genetics 3 hrs
   PCB 3063L Genetics Laboratory 1 hr
   PCB 3233 Immunology 3 hrs
   PCB 3233L Immunology Laboratory 1 hr
   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 (45 hrs)
   A: Forensic Science Core (18 hrs)
   CHS 3501 Introduction to Forensic Science 3 hrs
   CHS 3505C Forensic Microscopy 4 hrs
   CHS 3533 Forensic Biochemistry I 2 hrs
   CHS 3595 Forensic Science in the Courtroom 3 hrs
   CHS 4537 Forensic Laboratory Quality Assurance 2 hrs
   CHS 4591 Forensic Science Internship 4 hrs
   B: Forensic Biochemistry Track: (27 hrs)
   BCH 4053 Biochemistry I 3 hrs
   BCH 4054 Biochemistry II 3 hrs
   BCH 4103L Biochemical Methods 2 hrs
   BSC 3403C Quantitative Biological Methods 4 hrs
   CHS 3530L Forensic Biochemistry I Laboratory 1 hr
   CHS 4534C Forensic Biochemistry II 3 hrs
   MCB 3020C General Microbiology 5 hrs
   PCB 4522 Molecular Biology I 3 hrs
   PCB 4524 Molecular Biology II 3 hrs
5. Restricted Electives (3 hrs)
   Any course approved by the Forensic Program advisor.
6. Capstone Requirements
   None
UCF Degree Programs

7. Foreign Language Requirements
   Admissions
   ■ Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.
   Graduation
   ■ None

8. Electives
   ■ Select primarily from upper level courses after consulting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
   ■ None

10. Required Requirements
    ■ None

11. Departmental Exit Requirements
    ■ Earn a grade of “C” (2.0) or better in each course used to satisfy categories 2, 3, 4, and 5 of the departmental degree requirements.
    ■ Achieve at least a minimum overall 2.5 GPA in all courses used to satisfy categories 2, 3, 4 and 5 of the departmental degree requirements.
    ■ The last 30 credit hours of regularly scheduled courses that satisfy degree requirements must be taken in Residence at UCF.
    ■ Before applying to graduate, the CLAS must be completely satisfied.
    ■ Computer Competency met by the following:
      CHS 3505C Forensic Microscopy 4 hrs
      CHS 4537 Forensic Laboratory Quality Assurance 2 hrs

12. University Minimum Exit Requirements
    ■ A 2.0 UCF GPA
    ■ 60 semester hours earned after CLEP awarded
    ■ 48 semester hours of upper division credit completed
    ■ 30 of the last 39 hours of course work must be completed in residency at UCF
    ■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    ■ Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
■ 124

Honors In Major
■ None

Related Programs
■ Chemistry
■ Forensic Science - Analysis Track
■ Molecular Biology and Microbiology

Certificates
■ None

Related Minors
■ Chemistry
■ Molecular Biology and Microbiology

Advising Notes
■ None

Transfer Notes
■ Lower Division courses taken at community colleges do not substitute for Upper Division courses.
■ Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
■ CHM 2045C: may use CHM X040 plus CHM X041.
■ Calculus: Although other math classes satisfy the CPP, the specified courses are required in the major and still must be taken.
■ Physics: Although CPP requirements permit substitution by Organic Chemistry, all the specified courses are required for graduation and still must be taken.

Plan of Study
■ One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
■ Before registering for Chemistry, take Chemistry Placement Test ~ http://chemplacement.sdes.ucf.edu/
■ Before registering for Math, take Math Placement Test ~ http://mathplacement.sdes.ucf.edu/

Freshman Year - Fall 15 hrs
BSC 2010C Biology I 4 hrs
CHM 2045C Chemistry Fundamentals I 4 hrs
ENC 1101 Composition I 3 hrs
MAC 2311 Calculus with Analytic Geometry I 4 hrs

Freshman Year - Spring 15 hrs
CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory 1 hr
CHS 3501 Introduction to Forensic Science 3 hrs
MAC 2312 Calculus with Analytic Geometry II 4 hrs
PHY 2048C Physics for Engineers & Scientists I 4 hrs

Sophomore Year - Fall 16 hrs
GEP 3 hrs
CHM 2210 Organic Chemistry I 3 hrs
PHY 2049C Physics for Engineers and Scientists II 4 hrs
SFC 1603 Fundamentals of Technical Presentations 3 hrs
STA 2023 Statistical Methods I 3 hrs

Sophomore Year - Spring 16 hrs
GEP 3 hrs
GEP 3 hrs
CHM 2211 Organic Chemistry II 3 hrs
CHM 2211L Organic Laboratory Techniques I 2 hrs
MCB 3020C General Microbiology 5 hrs

Junior Year - Fall 14 hrs
Restricted Elective 3 hrs
Free Elective 1 hr
CHS 3505C Forensic Microscopy 4 hrs
CHS 4537 Forensic Laboratory Quality Assurance 2 hrs
PCB 3063 Genetics 3 hrs
PCB 3063L Genetics Laboratory 1 hr

Junior Year - Spring 13 hrs
GEP 3 hrs
CHM 3120 Analytical Chemistry 3 hrs
CHM 3120L Analytical Chemistry Laboratory 1 hr
CHS 3595 Forensic Science in the Courtroom 3 hrs
ENC 1102 Composition II 3 hrs

Senior Year - Fall 16 hrs
BCH 4053 Biochemistry I 3 hrs
CHS 3533 Forensic Biochemistry I 2 hrs
CHS 3533L Forensic Biochemistry I Laboratory 1 hr
PCB 3233 Immunology 3 hrs
PCB 3233L Immunology Laboratory 1 hr
PCB 3522 Molecular Biology I 3 hrs
PCB 4524 Molecular Biology II 3 hrs

Senior Year - Spring 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

Program Academic Learning Compacts
■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oaes.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
■ Part-Time Student: $45 per term
■ Full-Time Student: $90 per term
French (B.A.)

College of Arts and Humanities
Department of Modern Languages and Literatures,
Colbourn Hall, Room: 523
http://mll.cah.ucf.edu/
Dr. Paul Giordano
Phone: 407-823-2472

Placement in Modern Language courses is based on one year of high school language being equivalent to one semester of college work. For example, four years of high school French may place the student in the first semester of the third year. Native speakers, or students who have received advanced education in French-speaking societies, may not take lower division French courses. They must also substitute other upper division level courses for FRE 3420, FRE 4422, FRE 3760, and FRE 4421.

### Admission Requirements
- None

### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- 36 credits in French must be taken at the 3000 level or above.
- At least six of the 36 French credits must be at the 4000 level.
- At least 30 hours must be taken in Modern Language courses taught in French.
- Earn at least a “C” (2.0) in each upper division French course.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Modern Languages and Literatures.
- Language credit by exam will not be given in courses lower in level than those in which students are presently enrolled. Native speakers will be allowed Credit by Examination in literature courses only.
- Co-op or internship credit cannot be used in this major.
- Students must see their advisor to obtain proper counseling and have their schedule approved before registering for courses in their major.
- Courses designated in 1 (Gen Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

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

**A: Communication Foundations** (9 hrs)

**B: Cultural & Historical Foundations** (9 hrs)

**C: Mathematical Foundations** (6 hrs)

- \[\text{Required: MGF 1106 Finite Mathematics} \quad 3 \text{ hrs}\]
- \[\text{Prefer: STA 1060C Basic Statistics Using Microsoft Excel} \quad 3 \text{ hrs}\]

- (may substitute a higher level math)

**D: Social Foundations** (6 hrs)

**E: Science Foundations** (6 hrs)

#### 2. Common Program Prerequisites (CPP) (14 hrs)

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

1. **FRE 1120C**  Elementary French Language and Civilization I  4 hrs
2. **FRE 1121C**  Elementary French Language and Civilization II  4 hrs
3. **FRE 2200**  Intermediate French Language and Civilization I  3 hrs
4. **FRE 2201**  Intermediate French Language and Civilization II  3 hrs

1. *May be met by proficiency test or completion of FRE 2201

#### 3. Core Requirements: Basic Level (0 hrs)

- None

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

- **FCL 3730**  Romance Philology  3 hrs
- ¹ **FRE 3300**  French Grammar  3 hrs
- ¹ **FRE 3780**  French Phonetics and Diction  3 hrs
- **FRW 3100**  Survey of French Literature I  3 hrs

Select 1:

- **FRE 3420**  French Composition or  3 hrs
- **FRE 4422**  Advanced French Composition  3 hrs

Select 1:

- ¹ **FRE 3760**  Advanced French Oral Communication or  3 hrs
- **FRE 4421**  Advanced French Conversation  3 hrs

Select 1:

- **FRW 310L**  Survey of French Literature II or  3 hrs
- **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

**Electives**

- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

**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**

- Modern Language Combination
- Spanish
Certificate Programs
- 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
Phone: 407-823-2184

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

Admission Requirements
- Completion of the UCF General Education program, Gordon Rule, and CLAS or an AA degree from a Florida Public Community College
- See Common Program Prerequisites

Degree Requirements
- Must complete all Gordon Rule requirements, prior to admission to this degree.
- Students who change degree programs and select this major must adopt the most current catalog.
- Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.
- Students wanting to major in General Business must apply for admission to the major.
- Final exams will be given during Exam Week.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Students must have at least a 2.0 GPA in the major and COB.
- Students majoring in General Business must earn a grade of “C” (2.0) or better in each course applied towards the major, and a 2.0 overall average in the major.
- These five courses are restricted to the courses listed below:

First or subsequent semester in the College of Business Administration:
BUL 3130 Legal and Ethical Environment of Business and
ECON 4311 Quantitative Business Tools II and
FIN 3403C Business Finance and
GEB 3031 Cornerstone: Professional Skills for Business and
GEB 3031L Cornerstone Lab: Professional Skills for Business and
GE 3375 Introduction to International Business and
ISM 3011C Essentials of Management Information Systems and
MAN 3025 Management of Organizations and
MAR 3023 Marketing

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)
- None

C: Mathematical Foundations (6 hrs)
- Required CGS 2100C Computer Fundamentals for Business 3 hrs
- Required MAC 1140 Pre-Calculus Algebra 3 hrs

D: Social Foundations (6 hrs)
- Select 1:
  - Required ECO 2021 Principles of Macroeconomics or 3 hrs
  - Required ECO 2023 Principles of Microeconomics 3 hrs
- Select 1:
  - Suggested ANT 2000 General Anthropology or 3 hrs
  - Suggested PSY 2012 General Psychology or 3 hrs
  - Suggested SYG 2000 Introduction to Sociology 3 hrs

E: Science Foundations (6 hrs)
- 2. Common Program Prerequisites (CPP) (18 hrs)
  - Must be completed with a “C” (2.0) or better.
  - ACG 2021 Principles of Financial Accounting 3 hrs
  - ACG 2071 Principles of Managerial Accounting 3 hrs
  - CGS 2100C Computer Fundamentals for Business 3 hrs
  - ECO 2013 Principles of Macroeconomics 3 hrs
  - ECO 2023 Principles of Microeconomics 3 hrs
- Select one of the following sequences of courses:
  - Students must receive a “C” (2.0) in both MAC 2233 and STA 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 (0 hrs)
- None

4. Core Requirements: Advanced Level (32 hrs)
Core Classes 32 hrs

First or subsequent semester in the College of Business Administration:
BUL 3130 Legal and Ethical Environment of Business and
ECON 4311 Quantitative Business Tools II and
FIN 3403C Business Finance and
GEB 3031 Cornerstone: Professional Skills for Business and
GEB 3031L Cornerstone Lab: Professional Skills for Business and
GE 3375 Introduction to International Business and
ISM 3011C Essentials of Management Information Systems and
MAN 3025 Management of Organizations and
MAR 3023 Marketing

Second Level Core 15 hrs
- Students must take one course from each of the following areas: Economics (must take ECP 4703), Finance, Management, Management Information Systems, and Marketing.
- These five courses are restricted to the courses listed below:

Finance (3 hrs)
- FIN 3303 Financial Markets or 3 hrs
- FIN 3414 Intermediate Corporate Finance or 3 hrs
- FIN 3504 Investment Analysis 3 hrs

UNIVERSITY OF CENTRAL FLORIDA
## Management
- 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

## Management Information Systems
- ISM 3253: MIS Techniques or - 4 hrs
- ISM 4153C: Enterprise Information Systems or - 3 hrs
- ISM 4154: Enterprise Application Development - 3 hrs

## Marketing
- MAR 3403: Sales Force Management or - 3 hrs
- MAR 3613: Marketing Analysis and Research or - 3 hrs
- MAR 456: International Marketing or - 3 hrs
- MAR 4841: Services Marketing - 3 hrs

### Economics
- ECP 4703 is required. The other two courses are restricted electives only. With permission of an Economics advisor, any other 3000 or 4000 level ECO, ECP, or ECS course may be substituted as an Economics restricted elective. The substitution must be petitioned and have written approval.

### Restricted Electives (9 hrs)
- Restricted electives are to be taken from two different departments and from the courses listed above, at least two of the restricted electives must be at the 4000 level.

### Capstone Requirements (4 hrs)
- MAN 4720: Strategic Management - 4 hrs
- This course should be taken in the graduating term and requires the following prerequisites:
  - FIN 3403C: Business Finance - 4 hrs
  - GEB 3113: How to Start a Business or - 3 hrs
  - MAN 3201: Management of Organizations - 4 hrs
  - MAR 3203: Marketing Finance and Marketing - 3 hrs

### 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

### Electives
- General electives as required to reach 120 semester hours.

### 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.

### Required Minors
- None

### Departmental Exit Requirements
- None

### University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required
- 120

## Honors in Major
- None

## Related Programs
- None

## 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, Microeconomics, Macroecomics, 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>Freshman Year - Fall</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPC 1608</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 SPC 1608 Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1. Must complete nine hours in a summer term.

<table>
<thead>
<tr>
<th>Freshman Year - Spring</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>CGS 2100C</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 1105</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sophomore Year - Fall</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACG 2021</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 2023</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 ACG 2021 Principles of Financial Accounting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 2023 Principles of Microeconomics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Sophomore Year - Spring</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACG 2071 Principles of Managerial Accounting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 2013 Principles of Macroeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 3401 Quantitative Business Tools I</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
Junior Year - Fall 16 hrs
BUL 3130 Legal and Ethical Environment of Business 4 hrs
GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
ISM 3011C Essentials of Management Information Systems 4 hrs
MAN 3025 Management of Organizations 4 hrs
GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr

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
1 GEB 3375 Introduction to International Business 4 hrs

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

Equipment Fees
- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

General Business - A.S. to B.S. Track (B.S.B.A.)
NOTE: For detailed information, see description of this program in the Statewide Articulated AS to BS Programs section.

Health Informatics and Information Management (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
Ms. Alice M. Noblin, anoblin@mail.ucf.edu
Phone: 407-823-2353

Admission Requirements
- Separate application to the limited access program must be made directly to the program prior to March 1 for fall admission of the year admission is sought or October 1 for the following year spring admission.
- UCF application must also be submitted by the program deadline of March 1st for fall and October 1st for spring.
- Acceptance to UCF is necessary before acceptance to the program can occur.
- This limited access program is work-intensive and courses include clinical practice in a variety of settings. Due to this it is strongly recommended that students be at least one year post high school prior to applying to the program. Students with concerns or questions should contact the program to schedule an appointment with an advisor.
- Student must complete all general education, foreign language admissions, and program prerequisites prior to the start of the program.
- All applicants must have a minimum overall GPA of 2.5 and complete all program prerequisite courses with at least a grade of “C” (2.0)
- Acceptance to the university does not necessarily constitute admission to the upper division Health Informatics and Information Management program.

Degree Requirements
- Students who are pending Health Informatics and Information Management and are admitted to the program must adopt the most current catalog
- Students should complete the General Education Program, Foreign Language Admissions and the Common Program Prerequisites Requirements before transferring within the Florida Public University/Community College System
- Students should consult with a departmental advisor
- The courses designated in sections 1 and 2 below may be taken at a Florida community college, and should be completed in the first 60 hours
- A minimum overall GPA of 2.5 and a minimum grade of “C” (2.0) in prerequisite and major courses is required for admission to, continuation in, and graduation from the Health Informatics and Information Management Program
- UCF Residency Requirement: 30 hours

1. UCF General Education Program (GEP) (37 hrs)
A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (6 hrs)
Suggested MAC 1105 College Algebra 3 hrs
Suggested STA 2014C Principles of Statistics 3 hrs
D: Social Foundations (6 hrs)
Suggested BSC 2010C Biology I 4 hrs
Suggested CHM 1032 General Chemistry 3 hrs

2. Common Program Prerequisites (CPP) (17 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
ACG 2021 Principles of Financial Accounting 3 hrs
ACG 2071 Principles of Managerial Accounting 3 hrs
1 CGS 2100C Computer Fundamentals for Business 3 hrs
PCB 3703C Human Physiology 4 hrs
STA 2014C Principles of Statistics GEP
1 ZOO 3733C Human Anatomy 4 hrs

1 See Transfer Notes

3. Core Requirements: Basic Level (0 hrs)
- None

4. Core Requirements: Advanced Level (66 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 4226C Coding Procedures I 5 hrs
HIM 4256C Coding Procedures II 3 hrs
HIM 4344C Health Information Department Management 4 hrs
HIM 4508C Quality Management 3 hrs
HIM 4656C Health Information Management Systems 3 hrs
HIM 4676 Professional Development and Issues in Health Information Management 3 hrs
HIM 4816C Professional Practice Experience II 3 hrs
HIM 4838 Management Affiliation 5 hrs
HSA 3170 Health Care Finance 3 hrs
HSA 4109 Principles of Managed Care 3 hrs
HSA 4191 Health Care Automation 3 hrs
HSA 4702 Health Sciences Research Methods 3 hrs
HSC 3147 Introduction to Pharmacology 3 hrs
HSC 3537 Medical Terminology 3 hrs
HSC 4555 Pathophysiologic Mechanisms 3 hrs
HSC 4652 Health Law and Ethics 3 hrs

Select 1: 3 hrs
HSA 4180 Organization & Management for Health Agencies I or
MAN 3025 Management of Organizations 4 hrs

5. Restricted Electives (0 hrs)
- None
6. Capstone Requirements
   ■ None

7. Foreign Language Requirements
   Admissions
   ■ Two years of one foreign language in high school, or one
     year of one foreign language in college (or equivalent proficien-
     cy 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 reg-
      istration examination administered by the American Health
      Information Management Association to qualify as a Registered
      Health Information Administrator.

12. University Minimum Exit Requirements
    ■ A 2.0 UCF GPA
    ■ 60 semester hours earned after CLEP awarded
    ■ 48 semester hours of upper division credit completed
    ■ 30 of the last 39 hours of course work must be completed in
      residency at UCF
    ■ A maximum of 45 hours of extension, correspondence,
      CLEP, Credit by Exam, and Armed Forces credits permitted.
    ■ Complete the General Education Program, the Gordon
      Rule, the CLAS and nine hours of Summer credit (if applicable)

   Total Semester Hours Required
   ■ 120

Honors In Major
■ None

Related Programs
■ Business Administration
■ Computer Science
■ Health Services Administration

Certificates
■ None

Related Minors
■ Business
■ Computer Science
■ Health Services Administration

Advising Notes
■ None

Transfer Notes
■ Community College Equivalents:
  ■ Human Anatomy & Physiology I & II (BSC X085 and X086)
  ■ Financial Accounting (ACG 2021)
  ■ Managerial Accounting (ACG 2071)
  ■ Statistics (STA 2014C or any other statistics course)
  ■ Computer Science for Business (CGS 2100C)

Acceptable Substitutes for Transfer Courses
■ None

Plan of Study

<table>
<thead>
<tr>
<th>Freshman Year - Fall</th>
<th>14 hrs</th>
</tr>
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<tbody>
<tr>
<td>CHM 1032</td>
<td>General Chemistry</td>
</tr>
<tr>
<td>ENC 1101</td>
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<tbody>
<tr>
<td>ACG 2021</td>
<td>Principles of Managerial Accounting</td>
</tr>
<tr>
<td>CGS 2100C</td>
<td>Computer Fundamentals for Business</td>
</tr>
<tr>
<td>ZOO 3733C</td>
<td>Human Anatomy</td>
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<tbody>
<tr>
<td>ARH 2050</td>
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<td>ARH 2051</td>
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<tr>
<td>LIT 2110</td>
</tr>
<tr>
<td>LIT 2120</td>
</tr>
<tr>
<td>MUL 2010</td>
</tr>
<tr>
<td>PHI 2010</td>
</tr>
<tr>
<td>REL 2300</td>
</tr>
<tr>
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<tr>
<td>HIM 3006</td>
<td>Foundations of Health Information Management (HIM)</td>
</tr>
<tr>
<td>1 HSA 4191</td>
<td>Health Care Automation</td>
</tr>
<tr>
<td>1 HSC 3537</td>
<td>Medical Terminology</td>
</tr>
<tr>
<td>1 HSC 4555</td>
<td>Pathophysiologic Mechanisms</td>
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<td>HSA 4180</td>
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<td>1 MAN 3025</td>
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1 The asterisked courses may be taken at any time during the two years.
Certain HIM courses are offered only during the semester in which they
appear on this schedule and are restricted to majors only.

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<thead>
<tr>
<th>Sophomore Year - Spring</th>
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<tbody>
<tr>
<td>ACG 2071</td>
<td>Principles of Managerial Accounting</td>
</tr>
<tr>
<td>PCB 3703C</td>
<td>Human Physiology</td>
</tr>
<tr>
<td>SPC 1608</td>
<td>Fundamentals of Oral Communication</td>
</tr>
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<table>
<thead>
<tr>
<th>Select 1:</th>
</tr>
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<tbody>
<tr>
<td>ARH 2050</td>
</tr>
<tr>
<td>ARH 2051</td>
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<tr>
<td>LIT 2110</td>
</tr>
<tr>
<td>LIT 2120</td>
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<tr>
<td>MUL 2010</td>
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<tr>
<td>PHI 2010</td>
</tr>
<tr>
<td>REL 2300</td>
</tr>
<tr>
<td>THE 2000</td>
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</table>

<table>
<thead>
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<th>Junior Year - Spring</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIM 3116C</td>
<td>Health Record Organization and Management</td>
</tr>
<tr>
<td>HIM 3806C</td>
<td>Professional Practice Experience I</td>
</tr>
<tr>
<td>HIM 4226C</td>
<td>Coding Procedures I</td>
</tr>
<tr>
<td>HSC 3147</td>
<td>Introduction to Pharmacology</td>
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<table>
<thead>
<tr>
<th>Junior Year - Summer</th>
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<tbody>
<tr>
<td>HSA 4109</td>
<td>Principles of Managed Care</td>
</tr>
<tr>
<td>1 HSC 4652</td>
<td>Health Law and Ethics</td>
</tr>
</tbody>
</table>

1 The asterisked courses may be taken at any time during the two years.
Certain HIM courses are offered only during the semester in which they
appear on this schedule and are restricted to majors only.

<table>
<thead>
<tr>
<th>Senior Year - Fall</th>
<th>13 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIM 4256C</td>
<td>Coding Procedures II</td>
</tr>
<tr>
<td>HIM 4344C</td>
<td>Health Information Department Management</td>
</tr>
<tr>
<td>HIM 4508C</td>
<td>Quality Management</td>
</tr>
<tr>
<td>HIM 4656C</td>
<td>Health Information Management Systems</td>
</tr>
</tbody>
</table>
UCF Degree Programs

Senior Year - Spring 
HIM 4676  Professional Development and Issues in Health Information Management 3 hrs  
HIM 4816C  Professional Practice Experience II 3 hrs  
HSA 3170  Health Care Finance 3 hrs  
HSA 4702  Health Sciences Research Methods 3 hrs  

1. The asterisked courses may be taken at any time during the two years. Certain HIM courses are offered only during the semester in which they appear on this schedule and are restricted to majors only.

Senior Year - Summer 
HIM 4838  Management Affiliation 5 hrs  

Program Academic Learning Compacts 
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees 
- Part-Time Student: $15.00 per term 
- Full-Time Student: $30.00 per term

Health Sciences - Pre-Clinical Track (B.S.) 
College of Health and Public Affairs 
Department of Health Professions, Health and Public Affairs II, Room: 203 
http://www.cohpa.ucf.edu/health.pro/hsgbs.cfm
TBD
Phone: 407-823-2214

The Health Sciences-Pre-Clinical Track is a preparatory program for graduate level clinical disciplines for the student who wishes to seek admission to graduate level clinical programs in physical therapy, occupational therapy, and physician assistant. Students in this program must be planning to attend graduate school after graduation. Students with this preparation could also pursue graduate programs in Health Care Informatics, Public Health, Environmental Health or Health Services Administration.

Admission Requirements 
- None

Degree Requirements 
- Students who change to Health Sciences Pre-Clinical Track must adopt the most current catalog.
- Students should complete the General Education Program and the Program Prerequisites requirements before transferring within the Florida Public University/Community College System.
- The courses designated in sections 1 and 2 below may be taken at a Florida community college, and should usually be completed in the first 60 hours.
- Students must earn at least a “C” (2.0) in each course accepted as a Program Prerequisite and Core Requirement (see sections 2, 3 and 4 below)
- No transfer course will be accepted with a grade lower than a “C.”
- Students should have access to a personal computer, modem, and software in order to interact with the instructional faculty.
- Courses in math, biology, chemistry and physics listed are the minimum levels. Students with adequate preparation are encouraged to enroll in higher course levels in the discipline.
- Students should consult with a college advisor each semester.

1. UCF General Education Program (GEP) (38 hrs)

A: Communication Foundations (9 hrs) 
Suggested 
SPC 1608  Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs) 
Select 1: 
- Required MUL 2010  Enjoyment of Music or 3 hrs
- Required PHI 2010  Introduction to Philosophy or 3 hrs
- Required REL 2300  World Religions or 3 hrs
- Required THE 2000  Theatre Survey or 3 hrs

C: Mathematical Foundations (6 hrs) 
Required MAC 1105  College Algebra 3 hrs

D: Social Foundations (6 hrs) 
Required PSY 2012  General Psychology 3 hrs

Select 1: 
- Required ECO 2013  Principles of Macroeconomics or 3 hrs
- Required ECO 2023  Principles of Microeconomics or 3 hrs

E: Science Foundations (8 hrs) 
Required BSC 2010C  Biology I 4 hrs
- Required PHY 2053C  College Physics I 4 hrs

2. Common Program Prerequisites (CPP) (0 hrs) 
BSC 2010C  Biology I GEP
- MAC 1114  College Trigonometry 3 hrs
- PSY 2012  General Psychology GEP

Select 1: 
- Required STA 2014C  Principles of Statistics or 3 hrs
- Required STA 2023  Statistical Methods I or 3 hrs

Select 1: 
- ECO 2013  Principles of Macroeconomics or 3 hrs
- ECO 2023  Principles of Microeconomics or 3 hrs

3. Core Requirements: Basic Level (32 hrs) 
CHM 2046  Chemistry Fundamentals I 4 hrs
- CHM 2046L  Chemistry Fundamentals Laboratory 1 hr
- CHM 2205  Introduction to Organic and Biochemistry 5 hrs
- DEP 2004  Developmental Psychology 3 hrs
- HSC 2000  Introduction to the Allied Health Professions 2 hrs
- HUN 2002  Modern Concepts in Nutrition 3 hrs
- MCB 2004C  Microbiology for Health Professionals 4 hrs
- PHY 2053C  College Physics I GEP
- PHY 2054C  College Physics II 4 hrs

Select 1: 
- CGS 1060C  Introduction to Computer Science or 3 hrs
- CGS 2100C  Computer Fundamentals for Business 3 hrs

4. Core Requirements: Advanced Level (29 hrs) 
Basic and Health Sciences 
HSC 3147  Introduction to Pharmacology 3 hrs
- HSC 4555  Pathophysiologic Mechanisms 3 hrs
- PCB 3703C  Human Physiology 4 hrs
- ZOO 3733C  Human Anatomy 4 hrs

Health Services 
HIM 4508C  Quality Management 3 hrs
- HSA 3111  U.S. Health Care Systems 3 hrs
- HSA 4702  Health Sciences Research Methods 3 hrs
- HSC 4500  Epidemiology 3 hrs
- HSC 4652  Health Law and Ethics 3 hrs

5. Restricted Electives (21 hrs) 
A minimum of 7 courses from the list below:

- Some courses below may have additional prerequisite courses required. Course selection should be in consultation with an advisor and may vary by student depending on individual needs and objectives. Laboratory courses are required with selection of science classes.
- BCH 4053  Biochemistry I 3 hrs
- HSA 3430  Health Care Economics 3 hrs
- HSA 4180  Organization & Management for Health Agencies I 3 hrs
- HSC 3110  Medical Self Assessment 3 hrs
**University of Central Florida**

**UCF Degree Programs**

HSC 3211  Preventive Health Care  3 hrs
HSC 3537  Medical Terminology  3 hrs
HSC 3593  HIV Disease: A Human Concern  3 hrs
HSC 4158  Medical Pharmacology I  3 hrs
HSC 4159  Medical Pharmacology II  2 hrs
HSC 4564  Health Care Needs of the Elderly  3 hrs
MCB 3020C  General Microbiology  5 hrs
MCB 3203  Pathogenic Microbiology  3 hrs
MCB 3203L  Pathogenic Microbiology  1 hr
MCB 4603C  Virology  3 hrs
PCB 3063  Genetics  3 hrs
PCB 3063L  Genetics Laboratory  1 hr
PCB 3233  Immunology Laboratory  1 hr
PCB 4805  Endocrinology  3 hrs
PET 3620  Principles of Athletic Training  3 hrs
PET 3633C  Clinical Skills for Athletic Trainers I  2 hrs
PET 3649C  Clinical Skills for Athletic Training II  2 hrs
PET 4606  Applied Fitness in Sport  3 hrs
ZOO 3744  Neurobiology  3 hrs
ZOO 4605  Human Clinical Embryology and Congenital Malformation  3 hrs
ZOO 4704C  Clinical Neuroanatomy and Neuroscience  4 hrs

**General Education Program**

**Total Semester Hours Required**  120

**University Minimum Exit Requirements**
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**  120

**Honors in Major**
- Interested students should consult with a faculty advisor

**Related Programs**
- The participating student may also consider applying for consideration to one or more of the following undergraduate professional degree options:
  - Health Informatics and Information Management
  - Health Services Administration
  - This program is a preparatory program for graduate level clinical disciplines for the student who wishes to seek admission to graduate level clinical programs in physical therapy, occupational therapy, and physician assistant.
  - Students should consult a pre-professional advisor before making application to a graduate program.

**Certificates**
- None

**Related Minors**
- Biology
- Chemistry
- Health Informatics and Information Management
- Health Services Administration
- Molecular Biology and Microbiology

**Advising Notes**
- None

**Transfer Notes**
- Completion of a Florida public community college Associate of Arts Degree is strongly recommended. Students who transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.
- Students who begin a two-semester sequence course (e.g. General Chemistry) at a Florida public community college are strongly encouraged to complete the sequence before transferring. If it will not be possible to complete the sequence at the community college, the student should postpone beginning the course until enrolling at UCF. Students may elect to take Organic Chemistry I (CHM 2210) and Organic Chemistry II (CHM 2211) with labs at a Florida community college in order to meet the University’s requirement for Intro to Organic and Biochemistry (CHM 2205).
- Students may elect to take Human Anatomy (ZOO 3733C) and Human Physiology (PCB 3703C) at UCF in order to meet the University’s requirement that students complete 48 semester hours of upper division (3000/4000 level) credit.

**Acceptable Substitutes for Transfer Courses**
- None

**Plan of Study**

**Freshman Year - Fall**
- CHM 2045C  Chemistry Fundamentals I  3 hrs
- ENC 1101  Composition I  3 hrs
- 1 HSC 2000  Introduction to the Allied Health Professions  2 hrs
- MAC 1105  College Algebra  3 hrs

**Select 1:**
- CGS 1060C  Introduction to Computer Science or  3 hrs
- CGS 2100C  Computer Fundamentals for Business  3 hrs

**Freshman Year - Spring**
- BSC 2010C  Biology I  4 hrs
- ENC 1102  Composition II  3 hrs
- PSY 2012  General Psychology  3 hrs

**Take all of the following:**
- CHM 2046  Chemistry Fundamentals II and  3 hrs
- CHM 2046L  Chemistry Fundamentals Laboratory  1 hr

**Freshman Year - Summer**
- MAC 1114  College Trigonometry  3 hrs

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**Undergraduate Catalog 2010-2011**

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# UCF Degree Programs

## Sophomore Year - Fall
<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tr>
<td>HUN 2002 Modern Concepts in Nutrition</td>
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<tr>
<td>PHY 2053C College Physics I</td>
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<tr>
<td>SPG 1608 Fundamentals of Oral Communication</td>
<td>3 hrs</td>
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<td><strong>Select 1:</strong> AMH 2010 U.S. History: 1492-1877</td>
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<tr>
<td></td>
<td>EIU 200 Western Civilization I or HUM 2210 Humanistic Tradition</td>
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<tr>
<td><strong>Select 1:</strong> STA 2014C Principles of Statistics or STA 2023 Statistical Methods I</td>
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## Sophomore Year - Spring
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<tr>
<td>MCB 2004C Microbiology for Health Professionals</td>
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<tr>
<td>PHY 2054C College Physics II</td>
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<tr>
<td><strong>Select 1:</strong> MUL 2010 Enjoyment of Music or PHI 2010 Introduction to Philosophy or REL 2300 World Religions or THE 2000 Theatre Survey</td>
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</tr>
<tr>
<td><strong>Select 1:</strong> ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics</td>
<td>3 hrs</td>
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## Sophomore Year - Summer

- If not satisfied in high school:
  - Foreign Language 4 hrs
  - Foreign Language 4 hrs

## Junior Year - Fall
<table>
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<tr>
<td>DEP 2004 Developmental Psychology</td>
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<tr>
<td>HSA 3111 U.S. Health Care Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSC 3147 Introduction to Pharmacology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ZOO 3733C Human Anatomy</td>
<td>4 hrs</td>
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## Junior Year - Spring
<table>
<thead>
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<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Restricted Elective</td>
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<tr>
<td>CHM 2205 Introduction to Organic and Biochemistry</td>
<td>5 hrs</td>
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<tr>
<td>HSC 4562 Health Law and Ethics</td>
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<tr>
<td>PCB 3703C Human Physiology</td>
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## Senior Year - Fall
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<th>Course</th>
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<td>Restricted Elective</td>
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<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
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<tr>
<td>HSA 4702 Health Sciences Research Methods</td>
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<tr>
<td>HSC 4555 Pathophysiological Mechanisms</td>
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## Senior Year - Spring
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<th>Course</th>
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<tbody>
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<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
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<tr>
<td>HIM 4508C Quality Management</td>
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</tr>
<tr>
<td>HSC 4500 Epidemiology</td>
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</table>

## Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

## Health Services Administration (B.S.)
**College of Health and Public Affairs**
**Department of Health Management and Informatics, Health and Public Affairs II, Room: 210**

http://www.cohpa.ucf.edu/hmi/

E-mail: hsainfo@mail.ucf.edu

Dr. Kendall Cortelyou-Ward, Undergraduate Program Director
Dr. Myron Fottler, Exec. Director of HSA Programs
Phone: 407-823-2359

This program is currently available online and in the classroom. Students who choose to take online courses are urged to complete either CGS 2100C or CGS 1060C prior to enrolling in online-based courses. After enrolling in online courses, students should visit http://learn.ucf.edu. Students must complete all University-wide graduation requirements (general education, foreign language, CLAS, Gordon Rule, etc.), some of which are rarely online. Prerequisite courses are rarely offered online. For more information, see http://distrib.ucf.edu/home.

### Admission Requirements
- None

### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog
- Students should complete the General Education Program and the Common Program Prerequisites before transferring within the Florida Public University/Community College System
- Students should consult with a departmental advisor prior to first semester of enrollment.
- The courses designated in sections 1 and 2 below may be taken at a Florida Community College, and should usually be completed in the first 60 hours
- UCF Residency Requirement: 30 hours
- HSA Residency Requirement: Students must complete at least 45 credit hours of the core requirements at UCF in the department of Health Management and Informatics.

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

**A: Communication Foundations** (9 hrs)
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

**B: Cultural & Historical Foundations** (9 hrs)

**C: Mathematical Foundations** (6 hrs)
- Suggested MAC 2233 College Algebra 3 hrs

**Select 1:** (3 hrs)
- Suggested CGS 1060C Introduction to Computer Science or CGS 2100C Computer Fundamentals for Business 3 hrs

**D: Social Foundations** (6 hrs)
- Suggested ECO 2023 Principles of Microeconomics 3 hrs

**Select 1:** (3 hrs)
- Prefer PSY 2012 General Psychology or SYG 2000 Introduction to Sociology 3 hrs

**E: Science Foundations** (6 hrs)

**2. Common Program Prerequisites (CPP) (9 hrs)**
- Students must earn a “C” (2.0) or better in each Common Program Prerequisite
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

- ACG 2021 Principles of Financial Accounting 3 hrs
- ACG 2071 Principles of Managerial Accounting 3 hrs
- ECO 2023 Principles of Microeconomics GEP
- STA 2023 Statistical Methods I 3 hrs

**Select 1:** (0 hr)
- CGS 1060C Introduction to Computer Science or CGS 2100C Computer Fundamentals for Business GEP
### 3. Core Requirements: Basic Level (0 hrs)
- None

### 4. Core Requirements: Advanced Level (48 hrs)
- Students must earn a “C” (2.0) or better in each Core Requirement

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>HIM 4508C</td>
<td>Quality Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSA 3111</td>
<td>U.S. Health Care Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSA 3170</td>
<td>Health Care Finance</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSA 3222</td>
<td>Long Term Care and Administration</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSA 3430</td>
<td>Health Care Economics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSA 4109</td>
<td>Principles of Managed Care</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSA 4180</td>
<td>Organization &amp; Management for Health Agencies I</td>
<td>3 hrs</td>
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<tr>
<td>HSA 4184</td>
<td>Organization &amp; Management for Health Agencies II</td>
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<td>HSA 4191</td>
<td>Health Automation</td>
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</tr>
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<td>HSA 4702</td>
<td>Health Sciences Research Methods</td>
<td>3 hrs</td>
</tr>
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<td>HSA 4941</td>
<td>Internship</td>
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<td>HSC 3537</td>
<td>Medical Terminology</td>
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<td>HSC 4201</td>
<td>Community Health</td>
<td>3 hrs</td>
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<tr>
<td>HSC 4500</td>
<td>Epidemiology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSC 4564</td>
<td>Health Care Needs of the Elderly</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSC 4652</td>
<td>Health Law and Ethics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 5. Restricted Electives (0 hrs)
- None

### 6. Capstone Requirements (3 hrs)
- HSA 4939 Health Services Administration Capstone 3 hrs

### 7. Foreign Language Requirements
- Eligibility 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.

### 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.

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**UCF Degree Programs**

3. Core Requirements: Basic Level (0 hrs)

- None

4. Core Requirements: Advanced Level (48 hrs)

- Students must earn a “C” (2.0) or better in each Core Requirement

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIM 4508C</td>
<td>Quality Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSA 3111</td>
<td>U.S. Health Care Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSA 3170</td>
<td>Health Care Finance</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSA 3222</td>
<td>Long Term Care and Administration</td>
<td>3 hrs</td>
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<tr>
<td>HSA 3430</td>
<td>Health Care Economics</td>
<td>3 hrs</td>
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<tr>
<td>HSA 4109</td>
<td>Principles of Managed Care</td>
<td>3 hrs</td>
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<tr>
<td>HSA 4180</td>
<td>Organization &amp; Management for Health Agencies I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSA 4184</td>
<td>Organization &amp; Management for Health Agencies II</td>
<td>3 hrs</td>
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<tr>
<td>HSA 4191</td>
<td>Health Automation</td>
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<tr>
<td>HSA 4702</td>
<td>Health Sciences Research Methods</td>
<td>3 hrs</td>
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<td>HSA 4941</td>
<td>Internship</td>
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<td>HSC 3537</td>
<td>Medical Terminology</td>
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<td>HSC 4201</td>
<td>Community Health</td>
<td>3 hrs</td>
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<tr>
<td>HSC 4500</td>
<td>Epidemiology</td>
<td>3 hrs</td>
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<tr>
<td>HSC 4564</td>
<td>Health Care Needs of the Elderly</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSC 4652</td>
<td>Health Law and Ethics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

5. Restricted Electives (0 hrs)

- None

6. Capstone Requirements (3 hrs)

- HSA 4939 Health Services Administration Capstone 3 hrs

7. Foreign Language Requirements

- Eligibility 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.

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.
Sophomore Year - Summer  
Select 1: Elective / Minor  3 hrs 
A: Communication Foundations (9 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
Select one course from 1.B.1 list 3 hrs

C: Mathematical Foundations (6 hrs)
 Prefer CGS 1000C Introduction to Computer Science 3 hrs
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) (0 hrs)
■ 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 3 hrs

or
WOH 2012 World Civilization I and 3 hrs
WOH 2022 World Civilization II 3 hrs

4. Core Requirements: Advanced Level (3 hrs)
HIS 4150 History and Historians 3 hrs

5. Restricted Electives (21 hrs)
■ (Must be taken within the History Department)
Select six hours of approved history courses 18 hrs
within three of 4 geographic regions
Asian, African, and Middle Eastern or 6 hrs
British and European or 6 hrs
Latin American or 6 hrs
U.S. and Canadian 6 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.

History (B.A.)
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. Beiler
Phone: 407-823-2225

Admission Requirements
■ None

Degree Requirements
■ Students who change degree programs and select this major must adopt the most current catalog.
■ Students must earn at least a “C” (2.0) in each history course for it to be counted toward the major.
■ Co-op credit cannot be used in this major.
■ Students should consult with a departmental advisor.
■ Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF History Department.
■ Students must compile a portfolio of 8-12 examples of graded, written work from UCF History classes.
■ Students must complete 36 hours in history.
■ Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

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

A: Communication Foundations (9 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

History (B.A.)
12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Humanities

Certificates
- None

Related Minors
- African American Studies
- American Studies
- Asian Studies
- Humanities
- Judaic Studies
- Latin American Area Studies
- Women’s Studies

Advising Notes
- None

Transfer Notes
- Grades below “C” (2.0) are not accepted.
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
1. AMH 2010 U.S. History: 1492-1877 3 hrs
   may be substituted with:
2. AMH 2020 U.S. History: 1877-Present 3 hrs
   may be substituted with:
1. AMH 2010 is a prerequisite for subsequent American History courses.
2. AMH 2020 is a prerequisite for subsequent American History courses.

Plan of Study
- One of numerous possible plans of study. See program description for all requirements.

Freshman Year - Fall 15 hrs
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- AMH 2010 U.S. History: 1492-1877 3 hrs
- ENC 1101 Composition I 3 hrs

Freshman Year - Spring 15 hrs
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- AMH 2020 U.S. History: 1877-Present 3 hrs
- ENC 1102 Composition II 3 hrs

Sophomore Year - Fall 16 hrs
- GEP 3 hrs
- Core Course 3 hrs
- Restricted Elective 3 hrs
- CGS 1060C Introduction to Computer Science 3 hrs
- SPN 1120C Elementary Spanish Language and Civilization I 4 hrs

Sophomore Year - Spring 16 hrs
- Core Course 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- SPN 1121C Elementary Spanish Language and Civilization II 4 hrs

Junior Year - Fall 15 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- HIS 4150 History and Historians 3 hrs

Junior Year - Spring 15 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Senior Year - Fall 15 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Senior Year - Spring 13 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 4 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

History - Accelerated Undergraduate-Graduate Program (B.A / M.A.)
NOTE: For detailed information, see description of this program in the Accelerated Undergraduate-Graduate Programs section.

Hospitality Management (B.S.)
Rosen College of Hospitality Management
Department of Hospitality Services, 9907 Universal Boulevard, Orlando, FL 32819
http://www.hospitality.ucf.edu
E-mail: hospitality@mail.ucf.edu
Dr. Fevzi Okumus, Department Chair
Dr. Abraham Pizam, Dean
Phone: 407-903-8000

Admission Requirements
- None

Degree Requirements
- None

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations
      Required MAC 1105 College Algebra 3 hrs
      Select 1: 3 hrs
         Required CGS 2100C Computer Fundamentals for Business or
         STA 2023 Statistical Methods I 3 hrs
   D: Social Foundations
      Select 1: 3 hrs
         Required ECO 2013 Principles of Macroeconomics or
         ECO 2023 Principles of Microeconomics 3 hrs
### UCF Degree Programs

**Select 1:**
- Required: ANT 2000 General Anthropology or 3 hrs
- Required: PSY 2012 General Psychology or 3 hrs
- Required: SYG 2000 Introduction to Sociology 3 hrs

**E: Science Foundations** (6 hrs)

2. **Common Program Prerequisites (CPP)** (3 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

   1. Core Requirements: Basic Level (34 hrs)
   - **Hospitality Management Core** 34 hrs
     - FSS 2212C Techniques of Food Preparation 4 hrs
     - HFT 2220 Hospitality Human Resources Management 3 hrs
     - HFT 2401 Hospitality Industry Financial Accounting 3 hrs
     - HFT 2500 Hospitality and Tourism Marketing 3 hrs
     - HFT 3431 Hospitality Industry Managerial Accounting 3 hrs
     - HFT 3444 Hospitality Information Systems 3 hrs
     - HFT 3540 Guest Services Management I 3 hrs
     - HFT 3603 Legal Environment in the Hospitality and Tourism Industry 3 hrs
     - HFT 4286 Hospitality Communications 3 hrs
     - HFT 4295 Leadership and Strategic Management in Hospitality Industry 3 hrs
     - HFT 4464 Hospitality Industry Finance 3 hrs

   - **Quantitative Tools**
     - MAC 1105 College Algebra GEP

   - **Select 1:**
     - CGS 2100C Computer Fundamentals for Business or 0 hr
     - STA 2023 Statistical Methods I GEP

   - **Select 1:**
     - ECO 2013 Principles of Macroeconomics or 0 hr
     - ECO 2023 Principles of Microeconomics GEP

3. **Core Requirements: Advanced Level** (21 hrs)
   - **Sectoral Core (Choose 6 of the Following 7)** 18 hrs
     - Select 6:
       - HFT 2254 Lodging Operations or 3 hrs
       - HFT 2750 The Event Industry or 3 hrs
       - HFT 3263 Restaurant Management or 3 hrs
       - HFT 3273 Principles of Resort Timesharing or 3 hrs
       - HFT 3700 Tourism Management or 3 hrs
       - HFT 4277 Yacht, Country, And City Club Management or 3 hrs
       - HFT 4755 Theme Park and Attraction Management 3 hrs

   - **Internships**
     - HFT 3940 Internship 1 hr
     - HFT 4941 Internship 1 hr
     - HFT 4944 Practicum 1 hr

4. **Restricted Electives** (15 hrs)
   - Students should select one of the following track options to fulfill their restricted electives requirement

   **Restricted Electives** 15 hrs
   - Students must take 15 credit hours (five courses) of Hospitality Management courses in the restricted electives of the other two degree programs (Restaurant and Foodservice Management B.S. and/or Event Management B.S.) offered by the Rosen College.
   - Please note: No more than three courses (nine credit hours) may be taken from the restricted electives of either one of these two other degree programs of the Rosen College of Hospitality Management.

   **Or**
   - **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 3784 Amusement Technology or 3 hrs
     - HFT 4532 Managing the Employee Experience in the Theme Park and Attraction Industry or 3 hrs
     - HFT 4614 Risk Management in Theme Parks and Attractions or 3 hrs
     - HFT 4758 Contemporary Issues in the Theme Park and Attraction Industry 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 1350 Career & Promotional Development in Golf or 3 hrs
     - HFT 1356 Concepts and Practices of Golf Associations or 3 hrs
     - HFT 2359 Design & Maintenance of Golf Equipment or 3 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 Event Operations or 3 hrs
     - HFT 3384 Golf and Club Enterprises Management or 3 hrs
     - HFT 4358 Golf Course Facility Design 3 hrs

6. **Capstone Requirements**
   - None

7. **Foreign Language Requirements**
   - None

8. **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.)

9. **Graduation**
   - None

10. **Electives**
    - 3-11 hours as necessary to result in 120 total credit hours.

11. **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.

12. **University Minimum Exit Requirements**
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF
    - A 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
UCF Degree Programs

Hospitality Management - A.S. to B.S. Track (B.S.)

NOTE: For detailed information, see description of this program in the Statewide Articulated AS to BS Programs section.

Humanities (B.A.)

College of Arts and Humanities

Department of Philosophy, Psychology Building, Room: 220

http://www.philosophy.cah.ucf.edu/

E-mail: philosophy@mail.ucf.edu
Dr. Doug Evans
Phone: 407-823-2273

Admission Requirements

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: (3 hrs)

- Prefer PHI 2010 Introduction to Philosophy or
- Prefer REL 2300 World Religions (3 hrs)

Certificate

- None

Related Minors

- None

Advising Notes

- None

Transfer Notes

- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF College of Hospitality Management.
- Florida Public Community College students are encouraged to complete the general education requirements prior to transferring to UCF.
- A minimum of 30 semester hours must be completed at UCF within the hospitality major.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Students should take advantage of both.

Acceptable Substitutes for Transfer Courses

- None

Plan of Study

- Plan your required nine summer credit hours into your course of study.

Freshman Year - Fall (12 hrs)

- ENC 1101 Composition I (3 hrs)
- HFT 1000 Introduction to the Hospitality and Tourism Industry (3 hrs)

Select 1: (3 hrs)

- CGS 2100C Computer Fundamentals for Business or STA 2023 Statistical Methods I (3 hrs)

Freshman Year - Spring (15 hrs)

- ANT 2511 The Human Species (3 hrs)
- ENC 1102 Composition II (3 hrs)
- MAC 1105 College Algebra (3 hrs)
- PSY 2012 General Psychology (3 hrs)
- SYG 2000 Introduction to Sociology (3 hrs)

Sophomore Year - Fall (15 hrs)

- AST 2002 Astronomy (3 hrs)
- HFT 2220 Hospitality Human Resources Management (3 hrs)

Select 1: (3 hrs)

- ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics (3 hrs)

Select 1: (3 hrs)

- HFT 2254 Lodging Operations or HFT 2750 The Event Industry (3 hrs)

Sophomore Year - Spring (13 hrs)

- ANT 2511 The Human Species (3 hrs)
- FSS 2221C Techniques of Food Preparation (4 hrs)
- HFT 2401 Hospitality Industry Financial Accounting (3 hrs)
- HFT 3444 Hospitality Information Systems (3 hrs)

Junior Year - Fall (14 hrs)

- HFT 3431 Hospitality industry Managerial Accounting (3 hrs)
- HFT 3540 Guest Services Management I (3 hrs)
- HFT 3663 Legal Environment in the Hospitality and Tourism Industry (3 hrs)
- HFT 3940 Internship (1 hr)

Select 4: (12 hrs)

- HFT 2254 Lodging Operations or HFT 2750 The Event Industry or HFT 3263 Restaurant Management or HFT 3273 Principles of Resort Timesharing or HFT 3700 Tourism Management or HFT 4277 Yacht, Country, And Club Industry Management or HFT 4755 Theme Park and Attraction 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

Hospitality Management - A.S. to B.S. Track (B.S.)

NOTE: For detailed information, see description of this program in the Statewide Articulated AS to BS Programs section.

UNIVERSITY OF CENTRAL FLORIDA

Department of Philosophy, Psychology Building, Room: 220

http://www.philosophy.cah.ucf.edu/

E-mail: philosophy@mail.ucf.edu

Dr. Doug Evans

Phone: 407-823-2273

Admission Requirements

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: (3 hrs)

- Prefer PHI 2010 Introduction to Philosophy or
- Prefer REL 2300 World Religions (3 hrs)
UCF Degree Programs

C: Mathematical Foundations (6 hrs)
- MGF 1106 Finite Mathematics 3 hrs
- STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

1 (may substitute a higher level math)

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (0 hrs)
- None

3. Core Requirements: Basic Level (6 hrs)
- HUM 2020 Encountering the Humanities 3 hrs
- HUM 2210 Humanistic Tradition I GEP 3 hrs
- HUM 2220 Humanistic Tradition II GEP 3 hrs
- HUM 4933 Senior Research Seminar 3 hrs

4. Core Requirements: Advanced Level (24 hrs)
- Concentrations (choose one):
  - Note: Appropriate new or special topics courses in philosophy or humanities may be substituted for some courses with prior approval by department advisor.

Classical Humanities (24 hrs)

- Western Traditions and Applications (9 hrs)
  - ARH 4170 Greek & Roman Art or 3 hrs
  - ARH 4310 Italian Renaissance Art or 3 hrs
  - CLT 3370 Classical Mythology or 3 hrs
  - CLT 3378 Comparative Mythology or 3 hrs
  - HUM 3552 Christian Thought or 3 hrs
  - HUM 3553 Moses, Jesus and Muhammad or 3 hrs
  - JST 3401 The Jewish People I or 3 hrs
  - PHH 3100 Ancient Philosophy or 3 hrs
  - PHH 3200 Medieval Philosophy or 3 hrs
  - PHH 3460 Modern Western Philosophy or 3 hrs
  - REL 3432 Roots of Western Mysticism 3 hrs

- World Intellectual Traditions (6 hrs)
  - ANT 3245 Native American Religions or 3 hrs
  - HUM 3401 Asian Humanities or 3 hrs
  - HUM 3417 Hindu Thought and Culture or 3 hrs
  - HUM 3419 Islamic Thought and Culture or 3 hrs
  - HUM 3460 Latin American Humanities or 3 hrs
  - HUM 4303 The Spiritual Ideal or 3 hrs
  - HUM 4554 Religious Quest and Human Dilemma or 3 hrs
  - PHI 3790 African Philosophy or 3 hrs
  - PHI 3781 African-American Philosophy or 3 hrs
  - REL 3340 Buddhist Thought 3 hrs

- Foundations (3 hrs)
  - HUM 4301 The Classical Ideal 3 hrs
  - Select 2: 6 hrs
  - HUM 3255 Modern Humanities or 3 hrs
  - HUM 3431 Ancient Humanities or 3 hrs
  - HUM 3435 Medieval Humanities 3 hrs

1 Only one of these courses may be taken.

Multicultural Humanities (24 hrs)

- Traditions and Applications (15 hrs)
  - ANT 3311 Indians of the Southeastern United States or 3 hrs
  - ARH 3520 African Art or 3 hrs
  - HUM 3401 Asian Humanities or 3 hrs
  - HUM 3417 Hindu Thought and Culture or 3 hrs
  - HUM 3419 Islamic Thought and Culture or 3 hrs
  - HUM 3460 Latin American Humanities or 3 hrs
  - HUM 3553 Moses, Jesus and Muhammad or 3 hrs
  - JST 3401 The Jewish People I or 3 hrs
  - PHI 3701 Native American Philosophy or 3 hrs
  - PHI 3790 African Philosophy or 3 hrs
  - PHM 3123 Feminist Theories 3 hrs

1 Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

- Foundations (3 hrs)
  - HUM 3320 Contemporary Multicultural Studies 3 hrs

Select 1: 3 hrs
- HUM 3431 Ancient Humanities or 3 hrs
- HUM 3435 Medieval Humanities 3 hrs

Select 1: 3 hrs
- HUM 3252 Contemporary Humanities or 3 hrs
- HUM 3255 Modern Humanities 3 hrs

Critical Humanities (24 hrs)

- Traditions and Applications (15 hrs)
  - HUM 3394 Representations of Place and Space or 3 hrs
  - HUM 4330 Performance Theory or 3 hrs
  - HUM 4554 Religious Quest and Human Dilemma or 3 hrs
  - PHH 3510 Marx and Nietzsche or 3 hrs
  - PHI 3022 Sexuality, Gender & Philosophy or 3 hrs
  - PHI 3033 Philosophy, Religion, and the Environment or 3 hrs
  - PHI 3638 Ethical Issues in the 21st Century or 3 hrs
  - PHM 3123 Feminist Theories or 3 hrs
  - PHP 3786 Existentialism or 3 hrs
  - PHP 4782 Phenomenology or 3 hrs
  - REL 3111 Religion and Philosophy Through Film or 3 hrs
  - REL 3115 Religion, Spirituality, and Popular Music 3 hrs

5. Restricted Electives (3 hrs)
- Select one course from the ‘Traditions and Applications’ category in the concentrations that are not being used to satisfy Core Requirements, or other courses as approved by advisor.

Select 1: 3 hrs
- HUM 4303 The Spiritual Ideal or 3 hrs
- PHI 3700 Aesthetics or 3 hrs
- PHI 3800 Philosophy of Religion or 3 hrs
- Or other courses as approved by advisor 3 hrs

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Met by graduation requirement

Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. Majors who are contemplating graduate school should complete two years of a foreign language, preferably one functional in their area of proposed graduate interest.

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Earn a “C” (2.0) or better in each required course.
- Departmental Exit Exam in final semester.
- To avoid delaying graduation, you must request a review of requirements prior to registering for your last term.
- Computer Competency met by one of the following:
  - HUM 4933 Senior Research Seminar 3 hrs
HUM 4970H  Undergraduate Honors Thesis  1 hr
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
- Humanities - Philosophy, Religion, & Popular Culture Track
- Philosophy
- Religious Studies

Certificates
- None

Related Minors
- Environmental Studies
- Humanities
- Philosophy
- Religious Studies

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Freshman Year - Fall  16 hrs
Foreign Language  4 hrs
ENC 1101  Composition I  3 hrs
HUM 2202  Encountering the Humanities  3 hrs
HUM 2210  Humanistic Tradition I  3 hrs
MGF 1106  Finite Mathematics  3 hrs

Freshman Year - Spring  16 hrs
Foreign Language  4 hrs
ENC 1102  Composition II  3 hrs
HUM 2230  Humanistic Tradition II  3 hrs
STA 1060C  Basic Statistics Using Microsoft Excel  3 hrs

Select 1:  3 hrs
- PHI 2010  Introduction to Philosophy or
- REL 2300  World Religions  3 hrs

Sophomore Year - Fall  12 hrs
GEP  3 hrs
GEP  3 hrs
GEP  3 hrs
Restricted Elective  3 hrs

Sophomore Year - Spring  15 hrs
GEP  3 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Supporting Elective  3 hrs
Supporting Elective  3 hrs

Junior Year - Fall  15 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Supporting Elective  3 hrs
Supporting Elective  3 hrs

Junior Year - Spring  15 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Restrictive Elective  4 hrs
HUM 4933  Senior Research Seminar  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  16 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Restricted Elective  4 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Humanities - Philosophy, Religion, & Popular Culture Track (B.A.)
College of Arts and Humanities
Department of Philosophy, Psychology Building, Room: 220
http://www.philosophy.cah.ucf.edu/
E-mail: philosophy@mail.ucf.edu
Dr. Doug Evans, 407-823-2273
Dr. Shelley Parker (Cocoa Campus), 321-433-7919

Admission Requirements
- None
UCF Degree Programs

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in this major without prior approval by the chair.
- Students must earn at least a “C” (2.0) in each required course.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Philosophy Department.
- Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

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

A: Communication Foundations (9 hrs)
- HUM 2210 Humanistic Tradition I 3 hrs
- HUM 2230 Humanistic Tradition II 3 hrs

Select 1: (9 hrs)
- PHI 2010 Introduction to Philosophy 3 hrs
- REL 2300 World Religions 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- HUM 2210 Humanistic Tradition I 3 hrs
- HUM 2230 Humanistic Tradition II 3 hrs

C: Mathematical Foundations (6 hrs)
- MGF 1106 Finite Mathematics 3 hrs
- STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

1. May substitute a higher level math

D: Social Foundations (6 hrs)
- PHI 2010 Introduction to Philosophy 3 hrs
- HUM 2230 Humanistic Tradition II 3 hrs

E: Science Foundations (6 hrs)
- PHI 2010 Introduction to Philosophy 3 hrs
- REL 2300 World Religions 3 hrs

2. Common Program Prerequisites (CPP) (0 hrs)

3. Core Requirements: Basic Level (0 hrs)
- HUM 2210 Humanistic Tradition I GEP
- HUM 2230 Humanistic Tradition II GEP
- PHI 2010 Introduction to Philosophy GEP

4. Core Requirements: Advanced Level (18 hrs)

Core Requirements

Theoretical Foundations
- PHI 3684 Ways of Living and 3 hrs
- PHI 3431 Ways of Knowing 3 hrs

Philosophy
- PHI 2108 Critical Thinking or 3 hrs
- PHI 3670 Ethical Theory or 3 hrs
- PHI 3700 Philosophy of Religion or 3 hrs
- PHI 3720 Faith and Reason or 3 hrs
- PHI 3800 Aesthetics or 3 hrs
- PHI 4300 Theories of Knowledge or 3 hrs
- PHI 4804 Critical Theory or 3 hrs
- PHM 3100 Freedom and Justice or 3 hrs
- PHP 3786 Existentialism 3 hrs

Religion
- CLT 3578 Comparative Mythology or 3 hrs
- HUM 3417 Hindu Thought and Culture or 3 hrs
- HUM 3419 Islamic Thought and Culture or 3 hrs
- HUM 3552 Christian Thought or 3 hrs
- HUM 3553 Moses, Jesus and Muhammad or 3 hrs
- HUM 4303 The Spiritual Ideal or 3 hrs
- HUM 4554 Religious Quest and Human Dilemma or 3 hrs
- PHI 3750 The Problem of Evil 3 hrs

Popular Culture Studies
- 12 hrs

Contemporary Media
- HUM 3320 Contemporary Multicultural Studies or 3 hrs
- HUM 4330 Performance Theory or 3 hrs
- HUM 4556 Religion and the Arts or 3 hrs
- PHI 3625 Virtual Ethics or 3 hrs
- PHI 4931 Philosophy in the News or 3 hrs
- POS 3235 Mass Media and Politics or 3 hrs
- POS 3258 Politics in Film or 3 hrs
- REL 3111 Religion and Philosophy Through Film or 3 hrs
- REL 3115 Religion, Spirituality, and Popular Music or 3 hrs
- SYP 3630 Popular Culture In Society 3 hrs

Contemporary Forms of Life
- ANT 3302 Sex, Gender and Culture or 3 hrs
- HUM 3252 Contemporary Humanities or 3 hrs
- PHI 3022 Sexuality, Gender & Philosophy or 3 hrs
- PHI 3033 Philosophy, Religion, and the Environment or 3 hrs
- PHI 3629 Family Values or 3 hrs
- PHI 3638 Ethical Issues in the 21st Century or 3 hrs
- PHI 3683 Philosophy of Friendship or 3 hrs
- PHI 4321 Philosophies of Embodiment: Mind/Body/Self or 3 hrs
- PHM 3020 Philosophy of Love or 3 hrs
- PHM 3123 Feminist Theories or 3 hrs
- PHM 3401 Philosophy of Law or 3 hrs
- REL 3131 Religion in America 3 hrs

5. Restricted Electives (0 hrs)
- None

6. Capstone Requirements (3 hrs)
- HUM 4933 Senior Research Seminar 3 hrs

7. Foreign Language Requirements

Admissions
- Met by graduation requirement

Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. Majors who are contemplating graduate school should complete two years of a foreign language, preferably one functional in their area of proposed graduate interest.

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

10. Additional Requirements
- None

11. Departmental Exit Requirements
- Departmental Exit Exam in final semester.
- Earn a “C” (2.0) or better in each required course.
- To avoid delaying graduation, you must request a review of requirements prior to registering for your last term.
- Computer Competency met by one of the following:
  - HUM 4933 Senior Research Seminar 3 hrs
  - HUM 4970H Undergraduate Honors Thesis 1 hr
  - 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)
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 Upper Division courses.
  b. Honors Thesis 6 hrs
  c. Additional Requirements of Honors in the Major

Degree Requirements
- Each engineering student is assigned a qualified engineering academic advisor in the department of his/her major. Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.

1. UCF General Education Program (GEP) (38 hrs)
- The UCF General Education Program (GEP) is described in the section, General Education Program, found elsewhere in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida State University/ Community College Systems should complete the GEP and the Common Program Prerequisites before transferring.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Select 1: 3 hrs
  - Prefer SPC 1603 Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Select two courses from 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 (9 hrs)
- Select 1: 3 hrs
  - Prefer ECO 2023 Principles of Macroeconomics or 3 hrs
  - Prefer ECO 2013 Principles of Microeconomics 3 hrs

E: Science Foundations (7 hrs)
- Required PHY 2048C Physics for Engineers & Scientists I 4 hrs
- Select one class from Science Foundations 3 hrs

2. Common Program Prerequisites (CPP) (19 hrs)
- These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. A 2.0 cumulative GPA or better is required for those courses in this section.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements: Basic Level (2 hrs)

Total Semester Hours Required
- 120

Related Programs
- Humanities
- Philosophy

Certificates
- None

Related Minors
- Humanities
- Philosophy
- Religious Studies

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oesas.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, wthompson@mail.ucf.edu
Phone: 407-823-2204

Admission Requirements
- None
UCF Degree Programs

4. Core Requirements: Advanced Level (58 hrs)

Engineering Core: Advanced 15 hrs
COP 3223 Introduction to Programming with C 3 hrs
EGN 3310 Engineering Analysis-Statics 3 hrs
EGN 3321 Engineering Analysis-Dynamics 3 hrs
EGN 3373 Principles of Electrical Engineering 3 hrs

Select 1: 3 hrs
EGN 3343 Thermodynamics or 3 hrs
EGN 3358 Thermo-Fluids-Heat Transfer 3 hrs

Courses Required for the Major 43 hrs

The Industrial Engineering and Management Systems department requires all students within the major to achieve a "C" (2.0) GPA or better in each course listed.

EGN 3613 Engineering Economic Analysis 2 hrs
EGN 4624 Engineering Administration 3 hrs
EIN 3000 Introduction to Industrial Engineering and Management Systems 2 hrs
EIN 3314C Work Measurement & Design 3 hrs
EIN 4243C Human Engineering 3 hrs
EIN 4333 Production and Distribution Systems 3 hrs
EIN 4364C Industrial Facilities Planning and Design 3 hrs
EIN 4391C Manufacturing Engineering 3 hrs
EIN 4517 Systems Engineering 3 hrs
ESI 4221 Empirical Methods for Industrial Engineering 3 hrs
ESI 4234 Quality Engineering 3 hrs
ESI 4312 Operations Research 3 hrs
ESI 4523C Systems Simulation 3 hrs
ESI 4628C Industrial Engineering Applications of Computers 3 hrs
STA 3032 Probability and Statistics for Engineers 3 hrs

5. Restricted Electives (5 hrs)

Technical electives are available in the BSIE program to address specific student interests in a variety of technical areas. Students should consult with their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements

None

7. Foreign Language Requirements

Admissions

Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

None

8. Electives

None

9. Additional Requirements

None

10. Required Minors

None

11. Departmental Exit Requirements

EIN 4516C Systems Analysis and Design 3 hrs
EIN 4697C Industrial Engineering Senior Design Project 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 128

Honors in Major

None

Related Programs

Mechanical Engineering

Certificates

None

Related Minors

Engineering Leadership

Advising Notes

None

Transfer Notes

Courses taken from Community Colleges do not substitute for Upper Division Courses unless part of an articulated pre-engineering degree program.

Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.

EGN 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one hour each) may, with prior approval of the department academic advisor, be moved to the area S. Approved Technical Electives.

Acceptable Substitutes for Transfer Courses

None

Plan of Study (128 hrs)

Tentative Course Schedule for Entering Freshmen: The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

Freshman Year - Fall 12 hrs
CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs
EGN 1006C Introduction to the Engineering Profession 3 hrs
MAC 2311 Calculus with Analytic Geometry I 4 hrs

Freshman Year - Spring 12 hrs
EGN 1007C Engineering Concepts and Methods 1 hr
ENC 1101 Composition I 3 hrs
MAC 2312 Calculus with Analytic Geometry II 4 hrs
PHY 2048C Physics for Engineers & Scientists I 4 hrs

Freshman Year - Summer 6 hrs
COP 3223 Introduction to Programming with C 3 hrs

Select 1: 3 hrs
ECO 2013 Principles of Macroeconomics or 3 hrs
ECO 2023 Principles of Microeconomics 3 hrs

Sophomore Year - Fall 13 hrs
EIN 3000 Introduction to Industrial Engineering and Management Systems 2 hrs
MAC 2313 Calculus with Analytic Geometry III 4 hrs
PHY 2049C Physics for Engineers and Scientists II 4 hrs
STA 3032 Probability and Statistics for Engineers 3 hrs

Sophomore Year - Spring 15 hrs
EGN 3310 Engineering Analysis-Statics 3 hrs
EIN 4243C Human Engineering 3 hrs
EIN 4517 Systems Engineering 3 hrs
MAP 2302 Differential Equations 3 hrs

Select 1: 3 hrs
SPC 1603 Fundamentals of Technical Presentations or 3 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs

Sophomore Year - Summer 8 hrs
GEP 3 hrs
EGN 3321 Engineering Analysis-Dynamics 3 hrs
EGN 3613 Engineering Economic Analysis 2 hrs
UCF Degree Programs

Information Technology (B.S.)
College of Engineering and Computer Science
School of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 246
http://www.eecs.ucf.edu/
E-mail: undergraduate@eecs.ucf.edu
Dr. Ali Orooji, HEC 245D
Charlese Hilton-Brown, HEC 245F
Phone: 407-823-2787

Admission Requirements
■ None

Degree Requirements
■ "C" (2.0) or better required in all prerequisites and courses required for the major.
■ Students should consult with a departmental advisor.
■ A Residency Requirement consists of at least 24 semester hours of regularly scheduled 3000-5000 level courses taken from the School of Computer Science at UCF.
■ 12 of the 24 Residency hours must be at the 4000-5000 level.

1. UCF General Education Program (GEP) (37 hrs)
A: Communication Foundations (9 hrs)
Required ENC 1101 Composition I 3 hrs
Required ENC 1102 Composition II 3 hrs
Select 1: 3 hrs
Prefer SPC 1603 Fundamentals of Technical Presentations or
Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (6 hrs)
Required STA 2023 Statistical Methods I 3 hrs
Select 1: 3 hrs
Suggested MAC 1105 College Algebra or
Suggested MAC 1140 Pre-Calculus Algebra 3 hrs

D: Social Foundations (6 hrs)
Required ECO 2013 Principles of Macroeconomics 3 hrs
Required PSY 2012 General Psychology 3 hrs

E: Science Foundations (7 hrs)
Required PHY 2053C College Physics I 4 hrs
Select one course from Science Foundations 3 hrs

2. Common Program Prerequisites (CPP) (15 hrs)
■ A “C” (2.0) or better is required in all these courses.
■ See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements: Basic Level (0 hrs)
■ None

4. Core Requirements: Advanced Level (51 hrs)
■ A “C” (2.0) or better is required in all these courses.

Support Courses (6 hrs)
■ A “C” (2.0) or better is required in all these courses.

Select 1:
ENC 4265 Writing for the Computer Industry or
ENC 4293 Documentation and the Collaborative Process or
ENC 4414 Writing and Hypertext or
ENC 4415 Digital Rhetoric and the Modern Dialectic 3 hrs

Select 1:
ENC 3211 Theory and Practice of Technical Writing or
ENC 3241 Writing for the Technical Professional or
ENC 3250 Professional Writing 3 hrs

5. Restricted Electives (6 hrs)
■ Six hours of any 3000-level (or higher) courses offered by Computer Science and Information Technology programs.
■ A “C” (2.0) or better is required in all these courses.

6. Capstone Requirements
■ None
UCF Degree Programs

7. Foreign Language Requirements
   - None

8. Electives
   - Remaining hours needed to meet minimum of 120 hours for graduation should be met with Free Electives.

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - Complete an exit interview with an assigned faculty advisor
    - Computer competency met by completion of major

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
   - 120

Honors In Major
   - None

Related Programs
   - Computer Engineering
   - Computer Science

Certificates
   - None

Related Minors
   - Computer Science
   - Interdisciplinary Informatics Technology
   - Secure Computing and Networks

Advising Notes
   - None

Transfer Notes
   - Grades below "C" (2.0) are not accepted
   - Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
   - Courses taken at community colleges do not substitute for Upper Division courses

Acceptable Substitutes for Transfer Courses
   - None

Plan of Study
Freshman Year - Fall
   - COP 3223 Introduction to Programming with C 3 hrs
   - ENC 1101 Composition I 3 hrs
   - SPC 1603 Fundamentals of Technical Presentations 3 hrs

Select 1:
   - MAC 1105 College Algebra or 3 hrs
   - MAC 1140 Pre-Calculus Algebra 3 hrs

Freshman Year - Spring
   - COP 3502C Computer Science I 3 hrs
   - ECO 2013 Principles of Macroeconomics 3 hrs
   - ENC 1102 Composition II 3 hrs
   - MAC 1114 College Trigonometry 3 hrs
   - PSY 2012 General Psychology 3 hrs

Sophomore Year - Fall
   - GEP 3 hrs
   - CIS 3003 Fundamentals of Information Technology 3 hrs
   - COP 3330 Object Oriented Programming 3 hrs
   - MAD 2104 Foundations of Discrete Math 3 hrs
   - PHY 2053C College Physics I 4 hrs

Sophomore Year - Spring
   - GEP 6 hrs
   - CGS 2545C Database Concepts 3 hrs
   - CGS 3269 Computer Architecture Concepts 3 hrs
   - STA 2023 Statistical Methods I 3 hrs

Junior Year - Fall
   - CAP 4104 Human and Technology Interaction 3 hrs
   - CIS 3560 Security in Computing 3 hrs
   - CNT 3004 Computer Network Concepts 3 hrs
   - EEL 3041 Circuit Analysis 3 hrs

Select 1:
   - ENC 3211 Theory and Practice of Technical Writing or 3 hrs
   - ENC 3241 Writing for the Technical Professional or 3 hrs
   - ENC 3250 Professional Writing 3 hrs

Junior Year - Spring
   - GEP 3 hrs
   - CGS 3763 Operating System Concepts 3 hrs
   - CIS 4313 Managing IT Integration 3 hrs
   - PHI 3626 Advanced Ethics in Science and Technology 3 hrs

Select 1:
   - ENC 4265 Writing for the Computer Industry or 3 hrs
   - ENC 4293 Documentation and the Collaborative Process or 3 hrs
   - ENC 4414 Writing and Hypertext or 3 hrs
   - ENC 4415 Digital Rhetorics and The Modern Dialectic 3 hrs

Senior Year - Fall
   - Restricted Elective 3 hrs
   - CIS 4004 Web-Based Information Technology 3 hrs
   - CNT 4603 System Administration and Maintenance 3 hrs
   - CNT 4703C Design and Implementation of Computer Communication Networks 3 hrs

Senior Year - Spring
   - Restricted Elective 3 hrs
   - Free Elective 5 hrs
   - CNT 4714 Enterprise Computing 3 hrs
   - COP 4810 Frontiers in Information Technology 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

Interdisciplinary Studies (B.A. / B.S.)
Office of Undergraduate Studies
Office of Interdisciplinary Studies, Classroom I, Room: 302
http://www.is.ucf.edu
E-mail: is@mail.ucf.edu
Phone: 407-823-0144

Interdisciplinary Studies is a university-wide program leading to either the Bachelor of Arts or the Bachelor of Science in Interdisciplinary Studies, depending on the concentration of work selected in consultation with an Interdisciplinary Studies adviser. The program is administered through the Office of Interdisciplinary Studies and is designed for academic flexibility. It recognizes that there are many combinations of courses that meet the needs of individual students. This program may be taken online; however, there
are limited area, course, and minor selections available. Advisement is required from a member of the Interdisciplinary Studies Advising Team. Students may not be able to complete all courses online. Students must complete all University-wide graduation requirements (general education, foreign language, CLAS, Gordon Rule, etc.), some of which are not available via online courses. For more information, see http://online.ucf.edu/.

Admission Requirements
■ None

Degree Requirements
■ Students who change degree programs and select this major must adopt the most current catalog.
■ Students must have declared an Interdisciplinary Studies major at least two semesters before graduation.
■ Co-op credit cannot be used in this major.
■ Independent study forms must be approved by the director prior to taking an independent study or internship for use in the Interdisciplinary Studies areas. Non-approved independent studies or internship will not be counted towards the major.
■ Students must earn at least a “C” (2.0) in each core and restricted elective course.
■ Students must consult with an Interdisciplinary Studies adviser to enter the program.
■ Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
■ No courses can count in more than one subject area or in a subject area and a minor.
■ Students wishing to earn an Interdisciplinary Studies degree as a double degree, double major, or second major, must complete all restricted elective credits exclusive of the credits done for the other degree(s) or major(s), including any minors associated with that degree or degrees.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   D: Social Foundations (6 hrs)
   E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (0 hrs)
■ None

3. Core Requirements: Basic Level (6 hrs)
   IDS 3933 Cornerstone Experience 3 hrs
   IDS 4934 Capstone Experience 3 hrs

4. Core Requirements: Advanced Level (0 hrs)
■ None

5. Restricted Electives (30 hrs)
■ Students must complete two different subject area concentrations from among those specified below.
■ Students must take a minimum of 15 hours of approved courses in each selected subject area (excluding GEP courses). Courses are considered approved only when they have been reviewed by an Interdisciplinary Studies adviser and not simply when they appear on a student audit.
■ Students are required to take a minimum of 15 UCF hours, as well as 15 upper division hours, in the two areas combined.
■ See the Interdisciplinary Studies Advising Team for details regarding each area:
   ■ Arts
   ■ Behavioral and Social Sciences
   ■ Commerce
   ■ Communication
   ■ Computational Sciences
   ■ Education
   ■ Engineering

6. Capstone Requirements
■ None

7. Foreign Language Requirements
Admissions
■ BA: Proficiency equivalent to one year of college instruction in 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.

Graduation
■ BA: Met by graduation requirement.
■ BS: Met by graduation requirement.
■ Note: Students entering without having met the admission requirements must do so in order to graduate.

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
Phone: 407-823-0144

The Environmental Studies track is a program that prepares students for a number of interesting and challenging careers. Its interdisciplinary nature provides students with tools that can be applied across a spectrum of science, social behavior, and humanities, using the strengths of the various areas. Students seeking journalistic or artistic careers will gain a scientific background by which to understand environmental science, while students going into the sciences will appreciate the social, political, and ethical dimensions of environmental actions and policy decisions.

Admission Requirements
■ None

Degree Requirements
■ Students who change degree programs and select this major must adopt the most current catalog
■ Students must have declared an Interdisciplinary Studies major at least one semester before graduation
■ Independent study forms must be approved by the director prior to taking an independent study or internship for use in the program; non-approved independent studies will not be counted towards the major
■ Co-op credit cannot be used in the major
■ Students must earn at least a "C" (2.0) grade in each required course in the core and subject areas
■ Students must consult with an Interdisciplinary Studies adviser when entering the program
■ Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours
■ Students wishing to earn an Interdisciplinary Studies degree as a double degree, double major, or second degree, must complete all fifty-four credits exclusive of credits done for the other degree(s) and/or major(s), including any minors associated with that degree

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   1 Required MAC 1105 College Algebra 3 hrs
   Required STA 2023 Statistical Methods I 3 hrs

2. Common Program Prerequisites (CPP) (0 hrs)
   ■ None

3. Core Requirements: Basic Level (11 hrs)
   ■ Core for Environmental Studies:

   Physical/Mathematical Sciences
   CHM 2045C Chemistry Fundamentals I GEP
   MAC 1105 College Algebra GEP
   PSC 1121 Physical Science 3 hrs
   STA 2023 Statistical Methods I GEP

   Life Sciences
   BSC 2010C Biology I GEP
   BSC 2011C Biology II 4 hrs
   PCB 3044 Principles of Ecology 3 hrs
   PCB 3044L Principles of Ecology Laboratory 1 hr

   Social Science & Humanities
   SYG 2000 Introduction to Sociology GEP
   ECO 2013 Principles of Microeconomics or GEP
   ECO 2023 Principles of Microeconomics GEP

4. Core Requirements: Advanced Level (19 hrs)

   Environmental Studies Fundamentals
   ECP 3302 Economics and the Environment 3 hrs
   GIS 3043C GIS for Environmental Studies 3 hrs
   GIS 4301C Advanced GIS Applications in Environmental Studies 4 hrs
   IDS 3150 Foundations of Environmental Studies 3 hrs
   PUP 3203 Environmental Politics 3 hrs
   SYD 4510 Environment and Society 3 hrs

5. Restricted Electives (18 hrs)
   ■ Students will complete one of the concentrations listed below. Each concentration requires a minimum of eighteen credit hours. A student completing the Environmental Studies core can reasonably expect to meet entry requirements for most electives listed.
   ■ Select eighteen hours in one concentration.

Science Concentration
■ Note: This subject area is available only to Interdisciplinary Studies - Environmental Studies track majors.

D: Social Foundations (6 hrs)
   Required SYG 2000 Introduction to Sociology 3 hrs

Select 1: (3 hrs)
   Required ECO 2013 Principles of Microeconomics or 3 hrs
   Required ECO 2023 Principles of Microeconomics 3 hrs

E: Science Foundations (8 hrs)
   Required BSC 2010C Biology I 4 hrs
   Required CHM 2045C Chemistry Fundamentals I 4 hrs

Note: This subject area is available only to Interdisciplinary Studies - Environmental Studies track majors.
Values, Planning, & Policy Concentration

Note: This subject area is available only to Interdisciplinary Studies - Environmental Studies track majors.

- ANT 3541 Biobehavioral Anthropology 3 hrs
- BOT 3802 Ethnobotany 3 hrs
- ECP 4303 Environmental and Natural Resource Economics 3 hrs
- ENC 3211 Theory and Practice of Technical Writing 3 hrs
- ENC 3241 Writing for the Technical Professional 3 hrs
- ENC 4360 Nature Writing 3 hrs
- GIS 4035C Remote Sensing of the Environment 3 hrs
- INR 4351 International Environmental Law 3 hrs
- PAD 3330 Urban and Regional Planning 3 hrs
- PAD 4351 Issues in Environmental Program 3 hrs

Management

- PHI 3033 Philosophy, Religion, and the Environment 3 hrs
- PHI 3640 Environmental Ethics 3 hrs
- PHI 4400 Philosophy of Science 3 hrs
- PHI 4633 Ethics and Biological Science 3 hrs
- PHM 4031 Environmental Philosophy 3 hrs
- PLA 4554 Environmental Law 3 hrs
- PUP 4204 Sustainability 3 hrs
- PUP 4209 Urban Environmental Policy 3 hrs

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Two years of high school, or one year college language (or equivalent proficiency exam) prior to graduation

Graduation

- Proficiency equivalent to one semester of college instruction in a foreign language or one course with a multicultural dimension. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives

- Select primarily from upper level courses, with adviser approval

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- A grade of “C” or above (2.0) is required for each course taken in the subject areas and core
- Computer Competency is met by completing this major

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in 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
- Economics
- Environmental Engineering
- Political Science

Certificates

- None

Related Minors

- All minors

Advising Notes

- None

Transfer Notes

- Courses taken at community colleges do not substitute for upper division courses.
- Transfer courses must be evaluated for equivalency credit and/or for use in the degree program by the Interdisciplinary Advising Team. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- None

Plan of Study

- None

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.o eas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student:
- Full-Time Student:

Interdisciplinary Studies - Women’s Studies Track (B.A.)

Office of Undergraduate Studies

Office of Interdisciplinary Studies, Classroom 1, Room: 302

Program in Women’s Studies, Colburn Hall, Room: 411

http://www.is.ucf.edu

E-mail: is@mail.ucf.edu

E-mail: womenst@mail.ucf.edu

Interdisciplinary Studies Advising Team, 407-823-0144

Dr. M.C. Santana, 407-823-2260

Phone: 407-823-0144

Interdisciplinary Studies - Women’s Studies track is a broadly based interdisciplinary curriculum which leads to the Bachelor of Arts degree in Interdisciplinary Studies. The program is administered through the Office of Interdisciplinary Studies and the Women’s Studies Program in the College of Arts and Humanities.

Admission Requirements

- None

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students must have declared an Interdisciplinary Studies major - Women’s Studies track at least one semester before graduation.
- Independent study forms must be approved by the director prior to taking an independent study or internship for use in the Interdisciplinary Studies areas. Non-approved independent studies will not be counted towards the major.
- Co-op credit cannot be used in this track.
- Students must earn at least a “C” (2.0) in each restricted elective course.
- Students must consult with an Interdisciplinary Studies adviser when entering the degree program and regularly thereafter.
- Courses designated in 1. (General Education Program) and 2. (Common Program Prerequisites) are usually completed in the first 60 hours.
- Students wishing to earn an Interdisciplinary Studies degree as a double degree, double major, or second degree, must complete all fifty-four credits exclusive of credits done for the other degree(s) and/or major(s), including any minors associated with that degree.

Undergraduate Catalog 2010-2011
## UCF Degree Programs

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

| A: Communication Foundations | 9 hrs |
| B: Cultural & Historical Foundations | 9 hrs |
| C: Mathematical Foundations | 6 hrs |
| D: Social Foundations | 6 hrs |
| E: Science Foundations | 6 hrs |

### 2. Common Program Prerequisites (CPP) (0 hrs)
- None

### 3. Core Requirements: Basic Level (0 hrs)
- None

### 4. Core Requirements: Advanced Level (0 hrs)
- 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 (18 hrs)
- Take 18 hours from either the Womanist/Women of Color Area or from the Women’s Studies Cognate Area

Select 5: 15 hrs
- AML 3614 Topics in African-American Literature or 3 hrs
- AML 3662 Ethnic Literature in America or 3 hrs
- ANT 4308 Gender Issues in Latin America or 3 hrs
- ASH 4304 Women in China or 3 hrs
- SYD 3751 North American Indian Women Today or 3 hrs

Other courses approved by the Interdisciplinary Studies Advising Team

#### First Study Area - Women's Studies Cognate (18 hrs)
- Take 18 hours from either the Womanist/Women of Color Area or from the Women’s Studies Cognate Area

Select 6: 18 hrs
- Relevant Special Topics courses are periodically offered through various departments; with prior approval from the Women’s Studies Director, some courses may substitute.
- AML 3614 Topics in African-American Literature or 3 hrs
- AML 3662 Ethnic Literature in America or 3 hrs
- AML 4261 Literature of the South or 3 hrs
- ANT 3212 Peoples of the World or 3 hrs
- CCJ 4129 Cultural Diversity in Criminal Justice or 3 hrs
- CCJ 4681 Domestic Violence and the Justice System or 3 hrs
- EUH 3242 Modern Europe and the First World War or 3 hrs
- HSC 3593 HIV Disease: A Human Concern or 3 hrs
- LIN 4643 Cross Cultural Communication or 3 hrs
- LIT 5556 Advanced Feminist Theories or 3 hrs
- PEM 2405 Self Defense for Women and Men or 3 hrs
- PHI 3640 Environmental Ethics or 3 hrs
- PHI 3670 Ethical Theory or 3 hrs
- PHI 4300 Theories of Knowledge or 3 hrs
- PUP 3314 Minorities in American Politics or 3 hrs
- SOP 2772 Sexual Behavior or 3 hrs
- SOP 3784 Psychology of Diversity 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 proficiency equivalent to American Sign Language III. Standardized examinations may be used to meet the requirement.
- Note: Students entering without having met the admission requirement must do so in order to graduate.

### 8. Electives
- Select primarily from upper level courses, with Interdisciplinary Studies advisor's approval. May be outside of Women's Studies.

### 9. Additional Requirements
- None

### 10. Required Minors
- Women's Studies

### 11. Departmental Exit Requirements
- A grade of 'C' or above (2.0) is required for each course taken in each of the subject areas.
- Computer Competency is met by departmental assessment, or the following courses:
  - CGS 1060C Introduction to Computer Science 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
- Interdisciplinary Studies

#### Certificates
- None

#### Related Minors
- Most UCF minors
International and Global Studies (B.A.)

College of Sciences
Department of Political Science, Howard Phillips Hall, Room: 302
http://www.cos.ucf.edu/politicalscience
E-mail: politics@ucf.edu
Dr. Roger Handberg
Phone: 407-823-2608

Admission Requirements
None

Degree Requirements
Students who 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:
Students who double major/dual 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 2041 American National Government 3 hrs
POS 3703 Scope and Methods of Political Science 3 hrs
Students who major in International and Global Studies, and minor in Political Science, shall not count more than one course toward both programs, except for the following course:
POS 2041 American National Government 3 hrs

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

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)
Preferred WOH 212 World Civilization I 3 hrs
Preferred WOH 222 World Civilization II 3 hrs
Required One course from GEP B.2 list 3 hrs

C: Mathematical Foundations (6 hrs)
Math: 3 hrs
Preferred MGF 1106 Finite Mathematics 3 hrs
Preferred MGF 1107 Explorations in Mathematics 3 hrs
May substitute a higher level math with appropriate scores on the Math Placement Exam.

Statistics: 3 hrs
Preferred STA 1060C Basic Statistics Using Microsoft Excel or STA 2014C Principles of Statistics 3 hrs
May substitute a more advanced STA course.

D: Social Foundations (6 hrs)
Preferred POS 2041 American National Government 3 hrs
Required One course from GEP D.2 list 3 hrs

E: Science Foundations (6 hrs)

3. Core Requirements: Basic Level (6 hrs)
ECO 2013 Principles of Macroeconomics 3 hrs
INR 2002 International-Relations Theory and Practice 3 hrs
POS 2041 American National Government GEP

4. Core Requirements: Advanced Level (15 hrs)
CPO 3033 Comparative Politics 3 hrs
GEO 3471 World Political Geography 3 hrs
IDS 4315 Global Perspectives 3 hrs
INR 4603 International Relations Theory 3 hrs
POS 3703 Scope and Methods of Political Science 3 hrs

5. Restricted Electives (18 hrs)

Regional 9 hrs
Select from the following listing:
CPO 3034 Politics of Developing Areas 3 hrs
CPO 3104 Politics of Western Europe 3 hrs
CPO 3403 Politics of the Middle East 3 hrs
CPO 3614 Politics of Eastern Europe 3 hrs
CPO 4062 Comparative Judicial Process 3 hrs
CPO 4074 Political Economy 3 hrs
CPO 4101 Politics of the European Union 3 hrs
CPO 4123 Government and Politics of Great Britain 3 hrs
CPO 4303 Comparative Latin American Politics 3 hrs
CPO 4514 Politics of East Asia 3 hrs
CPO 4553 Politics of Japan 3 hrs
CPO 4643 Government and Politics of Russia 3 hrs
CPO 4710 Women in Comparative Politics 3 hrs
CPO 5334 Contemporary Politics of the Mayan Region 3 hrs
POS 3253 Contemporary Revolution and Political Violence 3 hrs

Functional 9 hrs
Select from the following listing:
INR 3253 International Politics of Africa 3 hrs
INR 4030 Diplomacy 3 hrs
INR 4035 International Economic Policy 3 hrs
INR 4054 Global Politics of Energy 3 hrs
INR 4074 Immigration Policy 3 hrs
INR 4075 Human Rights Policy 3 hrs
INR 4076 Global Drug Policy 3 hrs
INR 4084 Politics of International Terrorism 3 hrs
INR 4085 Women, Gender, and Globalization 3 hrs
INR 4102 American Foreign Policy 3 hrs
INR 4104 Topics and Cases in American Foreign Policy 3 hrs
INR 4114 American Security Policy 3 hrs
INR 4115 Strategic Weapons and Arms Control 3 hrs
INR 4224 Contemporary International Politics of Asia 3 hrs
INR 4243 International Politics of Latin America 3 hrs
INR 4304 Issues in International Public Policy 3 hrs
INR 4335 Coercion in International Politics 3 hrs
INR 4350 Global Environmental Politics 3 hrs
INR 4351 International Environmental Law 3 hrs
INR 4354 The Intelligence Community 3 hrs
INR 4401 International Law I 3 hrs
INR 4402 International Law II 3 hrs
INR 4404 Space Law 3 hrs
INR 4502 International Organizations 3 hrs
INR 4714 Politics of International Trade Policy 3 hrs
1 INR 4941 Internship 3 hrs
PUP 4503 Government and Science 3 hrs
PUP 4510 Space Policy 3 hrs

1 A maximum of 3 hours of Internship can be used.
UCF Degree Programs

6. Capstone Requirements
   ■ None

7. Foreign Language Requirements

Admissions
   ■ Met by graduation requirement

Graduation
   ■ Proficiency equivalent to four semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
   ■ Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.
   ■ Internship Program: Political Science: For students who excel, a limited number of internship may be available each semester for three to six hours of credit. Under the Internship Director, the student is typically placed in an office of local, state, or national government, a law office, or campaign headquarters.

9. Additional Requirements
   ■ None

10. Required Minors
   ■ Select from the following minors (18 hours min)
   ■ No more than one course may be used to fulfill both this track and the minor; students may not utilize the International and Global Studies minor to complete the degree requirements for the BA in International and Global Studies. The language and area studies minor requirement will be waived for students who double major in French, Spanish, or Modern Language Combination.
   ■ Asian Studies
   ■ European Studies
   ■ French
   ■ German
   ■ International Business
   ■ Italian
   ■ Latin American Area Studies
   ■ Middle Eastern Studies
   ■ Spanish

11. Departmental Exit Requirements
   ■ Maintain a minimum GPA of 2.0 in the major.
   ■ Before applying to graduate, the CLAS must be completely satisfied.
   ■ Computer Competency met by the following:
     POS 3703 Scope and Methods of Political Science 3 hrs

12. University Minimum Exit Requirements
   ■ A 2.0 UCF GPA
   ■ 60 semester hours earned after CLEP awarded
   ■ 48 semester hours of upper division credit completed
   ■ 30 of the last 39 hours of course work must be completed in residency at UCF
   ■ A 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
   ■ Philosophy
   ■ Psychology
   ■ Sociology

Advising Notes
   ■ None

Transfer Notes
   ■ Lower division courses taken at community colleges do not substitute for Upper Division courses.
   ■ Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
   ■ None

Plan of Study (120 hrs)
   ■ One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

**Freshman Year - Fall (16 hrs)**
- Foreign Language 4 hrs
- ENC 1101 Composition I 3 hrs
- MGF 1107 Explorations in Mathematics 3 hrs
- POS 2041 American National Government 3 hrs
- WOH 2012 World Civilization I 3 hrs

**Freshman Year - Spring (16 hrs)**
- Foreign Language 4 hrs
- ENC 1102 Composition II 3 hrs
- INR 2002 International Relations-Theory and Practice 3 hrs
- STA 2014C Principles of Statistics 3 hrs
- WOH 2022 World Civilization II 3 hrs

**Sophomore Year - Fall (16 hrs)**
- Foreign Language 4 hrs
- GEP 3 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs
- MGF 1107 Explorations in Mathematics 3 hrs
- POS 3703 Scope and Methods of Political Science 3 hrs

**Sophomore Year - Spring (16 hrs)**
- Foreign Language 4 hrs
- GEP 3 hrs
- CPD 3103 Comparative Politics 3 hrs
- IDS 4315 Global Perspectives 3 hrs
- INR 4603 International Relations Theory 3 hrs

**Junior Year - Fall (15 hrs)**
- Restricted Elective 3 hrs
- GEP 3 hrs
- Elective / Minor 3 hrs
- Restricted Elective 3 hrs
- Free Elective 3 hrs

**Junior Year - Spring (15 hrs)**
- Restricted Elective 3 hrs
- GEP 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
- Free Elective 3 hrs
### Degree Requirements

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<thead>
<tr>
<th>Senior Year - Fall</th>
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<tbody>
<tr>
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<td>Elective / Minor</td>
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<td>Free Elective</td>
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<table>
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<th>Senior Year - Spring</th>
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<td>Restricted Elective</td>
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<tr>
<td>Elective / Minor</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

### Interpersonal/Organizational Communication (B.A.)

**Nicholson School of Communication, NSC, Room: 143**

**http://communication.cos.ucf.edu**

Dr. Jim Katt, Area Coordinator, jkatt@mail.ucf.edu

Ms. Rebecca Morales, Academic Support, rmorales@mail.ucf.edu

Phone: 407-823-2681

**Admission Requirements**

- None

**Degree Requirements**

- Students who change degree programs (other than from I/O Pending) and select this major must adopt the most current catalog.
- Co-op or internship credit may be used in this major with prior advisor approval.
- Students cannot exceed a total of six credits of internship, Co-op, and independent study credits combined.
- Students should consult with a departmental advisor.
- School Residency Requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Communication.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

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

#### A: Communication Foundations (9 hrs)

<table>
<thead>
<tr>
<th>Required</th>
<th>3 hrs</th>
</tr>
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<tbody>
<tr>
<td>ENC 1101 Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 1102 Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPC 1608 Fundamentals of Oral Communication</td>
<td>3 hrs</td>
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</table>

#### B: Cultural & Historical Foundations (9 hrs)

#### C: Mathematical Foundations (6 hrs)

**Statistics:**

- Required STA 1060C Basic Statistics Using Microsoft Excel or STA 2014C Principles of Statistics 3 hrs

**Math:**

- Suggested MGF 1106 Finite Mathematics or MGF 1107 Explorations in Mathematics 3 hrs
- Prefer MGF 1107 Explorations in Mathematics or MGF 1106 Finite Mathematics 3 hrs

**You may substitute a higher level math with appropriate scores on the Math Placement Exam.**

#### D: Social Foundations (6 hrs)

#### E: Science Foundations (6 hrs)

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

- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
- Students are expected to select these courses outside their major, and outside the GEP. The courses may be interspersed throughout their 4 year program.

### 3. Core Requirements: Basic Level (6 hrs)

| SPC 1608 Fundamentals of Oral Communication | GEP |

**Statistics:**

- STA 1060C Basic Statistics Using Microsoft Excel or STA 2014C Principles of Statistics 3 hrs

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

#### Computer Science:

- CGS 2100C Computer Fundamentals for Business or CGS 2585C Desktop/Internet Publishing 3 hrs
- CGS 3175 Internet Applications 3 hrs

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

**Take all of the following:**

- COM 3011C Communication and Human Relations and COM 3120 Organizational Communication and COM 3311 Communication Research Methods and SPC 3301 Interpersonal Communication 3 hrs

### 5. Restricted Electives (27 hrs)

#### Internal Restricted Electives:

- 21 hrs
- Select from the following list:
  - COM 3013 Communication and the Family 3 hrs
  - COM 3110 Business and Professional Communication 3 hrs
  - COM 3322 Communication, Technology, and Change 3 hrs
  - COM 3406 Role of Motivation in Communication 3 hrs
  - COM 4014 Gender Issues in Communication 3 hrs
  - COM 4461 Intercultural Communication 3 hrs
  - COM 4462 Conflict Management 3 hrs
  - SPC 3445 Leadership Through Oral Communication 3 hrs
  - SPC 3513 Argumentation and Debate 3 hrs
  - SPC 4331 Nonverbal Communication 3 hrs
  - SPC 4426 Group Dynamics 3 hrs
  - SPC 4540 Attitudes and Communication 3 hrs
  - A maximum of 6 credits of any combination of the following can be used:
    - COM 4906 Directed Independent Study or
    - COM 4941 Internship or
    - SPC X949 Coop or

**A maximum of 3 credits of any combination of the following can be used:**

- ENC 3241 Writing for the Technical Professional 3 hrs
- ENC 3250 Professional Writing or
- ENC 3311 Advanced Expository Writing 3 hrs

**Other upper division COM or SPC courses with prior approval of department advisor.**

**External Restricted Electives:**

- 6 hrs
- A minimum of six upper division credit hours selected from courses in Nicholson School of Communication outside of the Interpersonal/Organizational area (i.e. Advertising/Public Relations, Journalism, or Radio/Television).

### 6. Capstone Requirements

- None

### 7. Foreign Language Requirements

**Admissions**

- Met by graduation requirement

**Graduation**

- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

### 8. Electives

- Select primarily from upper level courses. May be taken outside of the School of Communication.

### 9. Additional Requirements

- None
10. Required Minors
   - None

11. Departmental Exit Requirements
   - Achieve a "C" (2.0) or better average GPA in Nicholson School courses.
   - To avoid graduation delays, meet with your advisor to review graduation requirements before registering for your last term.
   - Before applying to graduate, the CLAS must be completely satisfied.
   - Computer Competency met by achieving a "C" (2.0) or better in the following courses or by departmental assessment:
     - CGS 2100C  Computer Fundamentals for Business 3 hrs
     - CGS 2585C  Desktop/Internet Publishing 3 hrs
     - CGS 3175  Internet Applications 3 hrs

12. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 39 hours of course work must be completed in residency at UCF
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
   - Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)
   - Free Elective

Total Semester Hours Required
   - 120

Honors in Major
   - None

Related Programs
   - None

Certificates
   - None

Related Minors
   - Interpersonal/Organizational Communication
   - Mass Communication

Advising Notes
   - None

Transfer Notes
   - Lower division courses taken at community colleges do not substitute for Upper Division courses.
   - Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
   - None

Plan of Study
   - One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

Freshman Year - Fall 13 hrs
   - Foreign Language 4 hrs
   - ENC 1101  Composition I 3 hrs
   - MGF 1107  Explorations in Mathematics 3 hrs
   - SPC 1608  Fundamentals of Oral Communication 3 hrs

Freshman Year - Spring 16 hrs
   - GEP 3 hrs
   - Foreign Language 4 hrs
   - ENC 1102  Composition II 3 hrs
   - STA 2014C  Principles of Statistics 3 hrs

Sophomore Year - Fall 16 hrs
   - Free Elective 3 hrs
   - GEP 3 hrs
   - GEP 3 hrs
   - Free Elective 4 hrs

Sophomore Year - Spring 15 hrs
   - Free Elective 3 hrs
   - GEP 3 hrs
   - GEP 3 hrs
   - Free Elective 3 hrs

Junior Year - Fall 15 hrs
   - Restricted Elective 3 hrs
   - Free Elective 3 hrs
   - COM 3011C  Communication and Human Relations 3 hrs
   - COM 3311  Communication Research Methods 3 hrs

Junior Year - Spring 15 hrs
   - Restricted Elective 3 hrs
   - Restricted Elective 3 hrs
   - Free Elective 3 hrs
   - COM 3120  Organizational Communication 3 hrs
   - SPC 3301  Interpersonal Communication 3 hrs

Senior Year - Fall 15 hrs
   - Restricted Elective 3 hrs
   - Restricted Elective 3 hrs
   - Free Elective 3 hrs
   - Free Elective 3 hrs
   - Free Elective 3 hrs

Senior Year - Spring 15 hrs
   - Restricted Elective 3 hrs
   - Restricted Elective 3 hrs
   - Free Elective 3 hrs
   - Free Elective 3 hrs

Program Academic Learning Compacts
   - Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
     http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Journalism (B.A.)

College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu
E-mail: journalism@ucf.edu
Mr. Rick Brunson, Area Coordinator, rbrunson@mail.ucf.edu
Ms. Rebecca Morales, Academic Support, rmorales@mail.ucf.edu
Phone: 407-823-2681

Admission Requirements
   - Students should apply to become Journalism majors only after completing all requirements for admission.
   - Admission is based on multiple factors, not strictly GPA.
   - Attain an overall minimum 2.25 GPA based on a minimum of 30 credit hours of college work. NOTE: Meeting the minimum GPA does not guarantee admission since students are admitted on a space available basis.
   - Submit an essay demonstrating commitment to the field; include previously published journalistic work, if any.
   - Meet a grammar proficiency standard. Students must pass a grammar proficiency exam administered by UCF’s Counseling and Testing Center unless they have AP credit in English or an “A-” or better in both of the following courses:
     - ENC 1101  Composition I 3 hrs
     - ENC 1102  Composition II 3 hrs

Application Deadlines:
   - October 1 to be admitted the next Spring term
   - February 1 to be admitted the next Summer term
   - July 1 to be admitted the next Fall term

Degree Requirements
   - Students who change degree programs (other than from Journalism Pending) and select this major must adopt the most current catalog.
The Journalism faculty strongly recommends that majors work for a student newspaper.

- Journalism majors may obtain an off-campus internship with a commercial newspaper, a magazine, or web site.
- To receive credit for an internship, students must have a 2.5 GPA in their required major courses. Students with less than a 2.5 GPA will not be given academic internship credit.
- Students can enroll in a maximum of six hours of internship credit. However, the internships must be with different employers. Each internship must be approved by and supervised by a Journalism faculty advisor.
- A portfolio of representative work must be submitted to, and approved by, a faculty committee at least one semester before graduation. At least 75% of the work must be produced while at UCF.
- Co-op or internship credit cannot be used in this major without prior approval.
- Students should consult with a school advisor.
- All students are required to pay a fee for equipment insurance.

Of the 120 hours required for graduation, 80 hours must be taken outside of the Nicholson School of Communication.

- Of these 80 hours, 65 must be taken in the liberal arts (i.e., within the College of Arts & Humanities or the College of Sciences).
- To ensure completion within 120 hours and to comply with the 80 hour rule, no more than 40 (or 43 if a GEP speech class was taken at UCF) of the 120 hours may be taken within the Nicholson School of Communication.
- Journalism majors must select their required minor from outside the School of Communication to remain below the 40 credit hour school maximum.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- School Residency Requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the 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.
- Required ENC 1101 Composition I and 3 hrs
- Required ENC 1102 Composition II 3 hrs

Speech: Select one course.
- Suggested SPC 1603 Fundamentals of Oral Communication 3 hrs
- Required SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)

Group 1: Select a course from group 1.
- Prefer AMH 2010 U.S. History: 1492-1877 or 3 hrs
- Prefer AMH 2020 U.S. History: 1877-Present 3 hrs

Group 2: Select a course from group 2.

Group 3: Select a third course from either group 1 or 2.

C: Mathematical Foundations (6 hrs)

Statistics-Computers:
- Suggested CSE 1060C Introduction to Computer Science or 3 hrs
- Preferred STA 2014C Principles of Statistics 3 hrs

Math: (12 hrs)
- Suggested 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 Exam.

D: Social Foundations (6 hrs)

Group 1: (0 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 one of the following: 0 hr
- SPC 1603 Fundamentals of Technical Presentations or 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

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 3 hrs

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Met by graduation requirement

Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
- Select primarily from upper level courses, with school advisor’s approval. Must be from outside of the school in order to not exceed the 40 credit hour cap. The majority of electives should be taken in the Liberal Arts to comply with the 65 hour Liberal Arts requirement.
9. Additional Requirements
- None

10. Required Minors
- Journalism majors must complete an 18 hour minor in an academic area outside of the School of Communication. When no official minor is offered, students may complete an 18-credit-hour area of concentration approved by the Faculty.
- The minor must be from outside of the school in order to not exceed the 40 credit hour cap.

11. Departmental Exit Requirements
- Acceptance of portfolio by faculty
- To avoid delaying graduation, you must request a review of requirements before registering for your last term
- Achieve an overall "C" GPA (2.0) in courses taken within the school used to satisfy the major.
- Before applying to graduate, the CLAS must be completely satisfied.
- Computer Competency met by departmental assessment, or by completing the following course:
  Select 1:
  - CGS 1060C Introduction to Computer Science or
  - STA 2014C Principles of Statistics

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- English - Creative Writing
- English - Technical Communication

Certificates
- None

Related Minors
- NOTE: Minors taught within the School of Communication are not open to Journalism majors.
- English - Creative Writing
- English - Linguistics
- English - Literature
- English - Technical Communication
- English - Writing
- History
- Magazine Journalism
- Political Science
- Sociology

Advising Notes
- It is the student's responsibility to ensure they have satisfied course prerequisites before registering for a class.
- Students are urged to contact their departmental advisor before registering for courses.

Transfer Notes
- Lower division courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

Freshman Year - Fall
- GEP
- Foreign Language
- ENC 1101 Composition I
- MGF 1107 Explorations in Mathematics
- SPC 1608 Fundamentals of Oral Communication

Freshman Year - Spring
- GEP
- Elective / Minor
- ENC 1102 Composition II
- STA 2014C Principles of Statistics

Sophomore Year - Fall
- GEP
- GEP
- Elective / Minor
- JOU 2100C News Reporting

Sophomore Year - Spring
- GEP
- GEP
- Elective / Minor
- Elective / Minor
- JOU 3004 History of American Journalism

Junior Year - Fall
- Elective / Minor
- Restricted Elective
- Restricted Elective
- Free Elective
- MMC 2004 Mass Media

Junior Year - Spring
- Elective / Minor
- Restricted Elective
- Free Elective
- MMC 3200 Mass Communication Law
- VIC 3001 Visual Communication

Senior Year - Fall
- Elective / Minor
- Restricted Elective
- Restricted Elective
- Free Elective
- JOU 4700 Journalism Ethics

Senior Year - Spring
- Restricted Elective
- Free Elective
- Free Elective
- Free Elective

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $22 per term
- Full-Time Student: $44 per term
Legal Studies (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
David Slaughter
Phone: 407-823-2603

The Legal Studies Program provides students with a broad understanding of basic principles of law and the role and function of the legal system. While no specific major is prescribed for admission to law school, many pre-law students elect to major in legal studies. The legal studies program, in addition to preparing students for law-related careers, provides a foundation for law school or other graduate education. All of the full time Legal Studies faculty are attorneys who are graduates of ABA approved law schools and are available for law school advising. Pre-law students are encouraged to work closely with legal studies advisors in planning their programs. Satisfactory completion of program requirements leads to the degree of Bachelor of Arts or Bachelor of Science with a major in Legal Studies.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog
- Students should complete the General Education Program before transferring within the Florida Public University/Community College System
- Students should consult with a departmental advisor
- The courses designated in section 1 below may be taken at a Florida Community College, and should usually be completed in the first 60 hours
- 33 hours of PLA coursework must be taken at UCF
- 2.0 in all PLA work at UCF and overall

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   Required ENC 1101 Composition I 3 hrs
   Required ENC 1102 Composition II 3 hrs
   Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   D: Social Foundations (6 hrs)
   E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (0 hrs)
   - None

3. Core Requirements: Basic Level (0 hrs)
   - None

4. Core Requirements: Advanced Level (18 hrs)
   - All core requirements must be completed with a minimum grade of “C” (2.0) to satisfy the major.
   - PLA 3014 Law and the Legal System 3 hrs
   - PLA 3108 Legal Research 3 hrs
   - PLA 3155 Legal Writing 3 hrs
   - PLA 3205 Civil Practice and Procedure 3 hrs
   - PLA 3615 Property and Real Estate Law 3 hrs
   - PLA 4703 Professional Ethics and Liability 3 hrs

5. Restricted Electives (0 hrs)
   - 21 additional hours of Legal Studies coursework selected in consultation with an advisor.

Supporting Courses (9 hrs)
- Students pursuing the B.A. degree must complete nine semester hours of supporting courses chosen with the approval of the student’s advisor. Students pursuing the B.S. degree must complete 15 hours of supporting courses chosen with the approval of the student’s advisor.

Specializations
- Students may earn a specialization within the general program of study. The specializations do not substitute for the general legal studies degree requirements; they are earned within the general program by selecting particular courses to satisfy the legal studies restricted electives and supporting courses requirements. Students are not required to declare a specialization. The following specializations are offered:
  - Law and Society, Litigation and Advocacy, Public Law, Sports and Entertainment Law, Criminal Law and Individual Liberties, Estates and Property Law, Comparative and International Law, Commercial and Transactional Law
  - A student may earn a maximum of two specializations. Specific course requirements are available at the department office or from the student’s advisor.

6. Capstone Requirements (3 hrs)
   PLA 4935 Capstone: Legal Issues 3 hrs

7. Foreign Language Requirements

Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at college level.

8. Electives
- Students taking the following electives must complete them with a minimum grade of “C” (2.0): PLA 4020, PLA 4240, PLA 4910.

9. Additional Requirements
- None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - Students must take a minimum of 33 hours of PLA courses at UCF. The total semester hours required is 120.

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF
    - A 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
- Business Administration
- Criminal Justice
- History
- Political Science
- Public Administration
- Sociology

UCF Degree Programs
## UCF Degree Programs

### Certificates
- None

### Related Minors
- Business
- Criminal Justice
- Political Science
- Public Administration
- Sociology

### Advising Notes
- None

### Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses.

### Acceptable Substitutes for Transfer Courses
- None

### Plan of Study

#### Freshman Year - Fall
- **14 hrs**
  - 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
  - BSC 1005 Biological Principles or MCB 1310 Introduction to Biotechnology and Genetic Engineering 3 hrs

#### Freshman Year - Spring
- **15 hrs**
  - Select 1: 3 hrs
  - Free Elective 3 hrs
  - CGS 1060C Introduction to Computer Science 3 hrs
  - ENC 1102 Composition II 3 hrs
  - Select 1: 3 hrs
  - ECO 2013 Principles of Microeconomics or ECO 2023 Principles of Macroeconomics or POS 2041 American National Government 3 hrs

#### Sophomore Year - Fall
- **16 hrs**
  - Select 1: 3 hrs
  - CHM 1020 Concepts in Chemistry or PSC 1121 Physical Science 3 hrs
  - Select 1: 3 hrs
  - AMH 2020 U.S. History: 1877-Present or EUH 2001 Western Civilization II or HUM 2230 Humanistic Tradition II 3 hrs
  - Foreign Language I or BS option 4 hrs

#### Sophomore Year - Spring
- **16 hrs**
  - Select 1: 3 hrs
  - Free Elective 3 hrs
  - PLA 3014 Law and the Legal System 3 hrs

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

### Liberal Studies
- Note: See Interdisciplinary Studies.

### Management (B.S.B.A.)

#### College of Business Administration

#### Department of Management, Business Administration

**II, Room: 101**
http://www.bus.ucf.edu/
Phone: 407-823-2184

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 3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)
- Required CGS 2100C Computer Fundamentals for Business 3 hrs
- Required MAC 1140 Pre-Calculus Algebra 3 hrs

D: Social Foundations (6 hrs)
- Select 1:
  - Required ANT 2000 General Anthropology or 3 hrs
  - Required PSY 2012 General Psychology or 3 hrs
  - Required SYG 2000 Introduction to Sociology 3 hrs

- Select 1:
  - Required ECO 2013 Principles of Macroeconomics or 3 hrs
  - Required ECO 2023 Principles of Microeconomics or 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 info.
  - ACG 2021 Principles of Financial Accounting 3 hrs
  - ACG 2071 Principles of Managerial Accounting 3 hrs
  - CGS 2100C Computer Fundamentals for Business 3 hrs
  - ECO 2013 Principles of Macroeconomics 3 hrs
  - ECO 2023 Principles of Microeconomics 3 hrs

Select one of the following sequences of courses:
- Students who have not completed 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 3 hrs
  - STA 2023 Statistical Methods I 3 hrs

3. Core Requirements: Basic Level (0 hrs)
- None

4. Core Requirements: Advanced Level (32 hrs)
- First or subsequent semester in the College of Business Administration:
  - BUL 3130 Legal and Ethical Environment of Business 4 hrs
  - ECO 3411 Quantitative Business Tools II 4 hrs
  - FIN 3403C Business Finance 4 hrs
  - GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
  - GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
  - GEB 3375 Introduction to International Business 4 hrs
  - ISM 311C Essentials of Management Information Systems 4 hrs
  - MAN 3025 Management of Organizations 4 hrs
  - MAR 3023 Marketing 4 hrs

5. Restricted Electives (24 hrs)
- Within the Management major, students can concentrate in 3 areas of study. Courses for each are outlined below:

**Human Resource Management Track** (24 hrs)

- Required Courses 15 hrs
  - MAN 3301 Management of Human Resources and 2 hrs
  - MAN 4240 Organizations: Theory and Behavior and 3 hrs
  - MAN 4320 Human Resources Recruitment and Selection and 3 hrs
  - MAN 4330 Compensation Administration and 3 hrs
  - MAN 4350 Training and Development 3 hrs
UCF Degree Programs

- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**

- 120

**Honors In Major**

- None

**Related Programs**

- None

**Certificates**

- None

**Related Minors**

- None

**Advising Notes**

- Florida Public Community College students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

**Transfer Notes**

- Courses taken at community colleges do not substitute for upper division courses
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, 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 may be substituted with: ACG X001 3 hrs
- ACG 2021 Principles of Financial Accounting may be substituted with: ACG X011 3 hrs

**Plan of Study**

- Must complete 9 hours in a summer semester.

**Freshman Year - Fall**

- ENC 1101 Composition I 3 hrs
- SPC 1503 Fundamentals of Oral Communication 3 hrs
- Cult-Hist I Elective 3 hrs
- Cult-Hist I Elective 3 hrs

**Freshman Year - Spring**

- CGS 2100 Computer Fundamentals for Business 3 hrs
- ENC 1102 Composition II 3 hrs
- MAC 1105 College Algebra 3 hrs
- Cult-Hist II Art/Music/Lit 3 hrs

**Sophomore Year - Fall**

- ACG 2021 Principles of Financial Accounting 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs
- Science 3 hrs
- Psy/Soc/Ant Elective 3 hrs

1 "C" (2.0) or better required in each class.

**Sophomore Year - Spring**

- ACG 2071 Principles of Managerial Accounting 3 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs
- ECO 3401 Quantitative Business Tools I 3 hrs
- Science 3 hrs
- Elective 3 hrs

1 "C" (2.0) or better required in each class.

**Junior Year - Fall**

- General Management Track
  - BUL 3130 Legal and Ethical Environment of Business 4 hrs
  - GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
  - ISM 3530 Quality & Productivity Management 3 hrs
  - MAN 3025 Management of Organizations 4 hrs
  - GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr

**Junior Year - Spring**

- General Management Track
  - ECO 3411 Quantitative Business Tools II 4 hrs
  - FIN 3403C Business Finance 4 hrs
  - ISM 3011C Essentials of Management Information Systems 4 hrs
  - MAR 3023 Marketing 4 hrs

**Senior Year - Fall**

- General Management Track
  - GEB 3375 Introduction to International Business 4 hrs
  - MAN 3301 Management of Human Resources 3 hrs
  - MAN 4240 Organizations: Theory and Behavior 3 hrs
  - MAN Elective 3 hrs
  - MAN Elective 3 hrs

**Senior Year - Spring**

- General Management Track
  - MAN 4441 Conflict Resolution and Negotiation 3 hrs
  - MAN 4701 Business Ethics and Society 3 hrs
  - MAN 4720 Strategic Management 4 hrs
  - MAN Elective 3 hrs
  - Elective 3 hrs

**Human Resource Management Track**

**Junior Year - Fall**

- GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
- GEB 3375 Introduction to International Business 4 hrs
- MAN 3301 Management of Organizations 4 hrs
- MAR 3023 Marketing 4 hrs
- GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr

**Junior Year - Spring**

- BUL 3130 Legal and Ethical Environment of Business 4 hrs
- ECO 3411 Quantitative Business Tools II 4 hrs
- FIN 3403C Business Finance 4 hrs
- ISM 3011C Essentials of Management Information Systems 4 hrs
- MAN 4441 Conflict Resolution and Negotiation 3 hrs
- MAN 4240 Organizations: Theory and Behavior 3 hrs
- MAN 4303 Compensation Administration 3 hrs
- MAN 4320 Human Resources Recruitment and Selection 3 hrs
- MAN 4330 Comp Human Resources Administration 3 hrs
- MAN 4330 Training and Development 3 hrs
- MAN 4330 Human Resources Recruitment and Selection 3 hrs
- MAN 4350 Training and Development 3 hrs
- MAN 4441 Conflict Resolution and Negotiation 3 hrs

**Senior Year - Fall**

- Free Elective 3 hrs
- MAN 4350 Training and Development 3 hrs
- MAN 4720 Strategic Management 4 hrs
- MAN Elective 3 hrs
- MAN Elective 3 hrs

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Entrepreneurship Track

Junior Year - Fall 16 hrs
- GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
- GSB 3375 Introduction to International Business 4 hrs
- MAN 3025 Management of Organizations 4 hrs
- MAR 3023 Marketing 4 hrs
- GSB 3031L Cornerstone Lab: Professional Skills for Business 1 hr

Junior Year - Spring 15 hrs
- BUL 3130 Legal and Ethical Environment of Business 4 hrs
- ECO 3411 Quantitative Business Tools II 4 hrs
- FIN 3403C Business Finance 4 hrs
- MAN 4802 Entrepreneurship 3 hrs

Senior Year - Fall 16 hrs
- ISM 3011C Essentials of Management Information Systems 4 hrs
- MAN 3301 Management of Human Resources 3 hrs
- Select 1: 3 hrs
  - FIN 3461 Financial Statement Analysis or 3 hrs
  - GEB 4111 New Venture Finance 3 hrs
- Select 1: 3 hrs
  - MAR 3391 Professional Selling or 3 hrs
  - MAR 3641 Marketing Intelligence 3 hrs
- MAN Elective 3 hrs

Senior Year - Spring 16 hrs
- Free Elective 2 hrs
- GEB 4110 Business Plan Preparation 3 hrs
- MAN 4720 Strategic Management 4 hrs
- MAN Elective 3 hrs
- MAN Elective 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.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
Phone: 407-823-2184

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

Admission Requirements
- Completion of the UCF General Education program
- Gordon Rule, and CLAS or an AA degree from a Florida Public Community College
- See Common Program Prerequisites

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.
- Students wanting to major in Marketing must apply for admission to the major.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department of school in which the student majors.

- Students must earn at least a 2.0 GPA in the major and COB.
- Must complete all Gordon Rule requirements, prior to admission to this degree.
- Final exams will be given during Exam Week
- Students majoring in Marketing must earn a grade of “C” (2.0) or better in each course applied toward the major, and a 2.0 overall average in the major. The following is included in this requirement:
  - 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)
   - Required MAC 1140 Pre-Calculus Algebra 3 hrs
   C: Mathematical Foundations (6 hrs)
   - Required CGS 2100C Computer Fundamentals for Business 3 hrs
   - Required ECO 3401 Principles of Macroeconomics or 3 hrs
   - Select 1: 3 hrs
     - Suggested ECO 2013 Principles of Microeconomics 3 hrs
     - Suggested ECO 2023 Principles of Microeconomics 3 hrs

D: Social Foundations (6 hrs)
   - Select 1: 3 hrs
     - Suggested ANT 2000 General Anthropology or 3 hrs
     - Suggested PSY 2012 General Psychology 3 hrs
     - Suggested SYG 2000 Introduction to Sociology 3 hrs

E: Science Foundations (6 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
     - ECO 3401 Quantitative Business Tools II 3 hrs
     - Select 1: 3 hrs
       - Suggested ACG 2073 Principles of Managerial Accounting 3 hrs
       - Suggested ACG 2071 Principles of Financial Accounting 3 hrs
       - Suggested ACG 2071 Principles of Managerial Accounting 3 hrs
   - Suggested ECO 2103 Principles of Macroeconomics 3 hrs
   - ECO 2013 Principles of Microeconomics 3 hrs
   - ECO 2023 Principles of Microeconomics 3 hrs

3. Core Requirements: Basic Level (0 hrs)
   - None

4. Core Requirements: Advanced Level (50 hrs)
   - First or subsequent semester in the College of Business Administration:
     - BUL 3130 Legal and Ethical Environment of Business 4 hrs
     - ECO 3411 Quantitative Business Tools II 4 hrs
     - FIN 3403C Business Finance 4 hrs
     - GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
     - GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
     - GEB 3375 Introduction to International Business 4 hrs
     - ISM 3011C Essentials of Management Information Systems 4 hrs
     - MAN 3025 Management of Organizations 4 hrs
     - MAN 3023 Marketing 4 hrs
     - MAR 3391 Professional Selling 3 hrs
     - MAR 3641 Marketing Intelligence 3 hrs
     - MAR 4803 Marketing Management 3 hrs
     - MAR 4804 Marketing Strategy 3 hrs

1 Required in 1st or 2nd semester

Required Courses 18 hrs
- MAR 3391 Professional Selling 3 hrs
- MAR 3503 Customer Behavior 3 hrs
- MAR 3613 Marketing Analysis and Research 3 hrs
- MAR 3641 Marketing Intelligence 3 hrs
- MAR 4803 Marketing Management 3 hrs
- MAR 4804 Marketing Strategy 3 hrs
5. Restricted Electives (6 hrs)

General Marketing
- Select a minimum of 2 courses from the following list of courses:
  - MAR 3323 Integrated Marketing Communication 3 hrs
  - MAR 3403 Sales Force Management 3 hrs
  - MAR 3721 E-Marketing 3 hrs
  - MAR 4156 International Marketing 3 hrs
  - MAR 4231 Retailing Management 3 hrs
  - MAR 4711 Sport Marketing 3 hrs
  - MAR 4712 Healthcare Marketing 3 hrs
  - MAR 4715 Entertainment Marketing 3 hrs
  - MAR 4724 Strategic Foundations in Global E-Business 3 hrs
  - MAR 4841 Services Marketing 3 hrs
  - MAR 4934 Contemporary Marketing Topics in Florida 3 hrs
  - MAR 4941 Marketing Internship 3 hrs

Sales Track 9 hrs
- Admission by department approval: Restricted to declared marketing majors. Requires submission of application by May 1. Department faculty committee will select a maximum of 40 sales track participants based on academic achievement, work experience, outside activities and leadership positions, and responses to questions on the application form. Must have earned a grade of B (3.0) or higher in the following to apply:
  - MAR 3391 Professional Selling 3 hrs

Take all of the following: 9 hrs
- MAR 3403 Sales Force Management and 3 hrs
- MAR 4413C Strategic Issues in Sales-Lecture and 3 hrs
- MAR 4415C Advanced Professional Selling 3 hrs

6. Capstone Requirements (4 hrs)
- MAN 4720 Management 4 hrs

This course should be taken in the graduating term and requires the following prerequisites:
  - FIN 3403C Business Finance 4 hrs
  - GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
  - MAN 3025 Management of Organizations 4 hrs
  - MAR 3023 Marketing 4 hrs

7. Foreign Language Requirements

Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- (Variable)

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- None

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

\[ \text{Related Programs} \]
- None

\[ \text{Certificates} \]
- Marketing: e-Marketing
- Marketing: Entertainment Marketing
- Marketing: Healthcare Marketing
- Marketing: Retailing Management
- Marketing: Selling and Sales Management
- Marketing: Services Marketing
- Marketing: Sport Marketing Management

\[ \text{Related Minors} \]
- None

\[ \text{Advising Notes} \]
- 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.

\[ \text{Transfer Notes} \]
- 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, 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 residency 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.

\[ \text{Acceptable Substitutes for Transfer Courses} \]
- None

\[ \text{Plan of Study} \]
- Must complete nine hours in a summer semester

\[ \text{Freshman Year - Fall} \]
- 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

\[ \text{Freshman Year - Spring} \]
- CGS 2100C Computer Fundamentals for Business 3 hrs
- ENC 1102 Composition II 3 hrs
- MAC 1105 College Algebra 3 hrs
- Cult-Hist II 3 hrs
- Art/Music/Lit 3 hrs

\[ \text{Sophomore Year - Fall} \]
- ACG 2021 Principles of Financial Accounting 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs
- Science 3 hrs
- Psy/Ant/Soc 3 hrs
- Elective 3 hrs
### Sophomore Year - Spring
- ACG 2071 Principles of Managerial Accounting: 3 hrs
- ECO 2013 Principles of Macroeconomics: 3 hrs
- ECO 3401 Quantitative Business Tools I: 3 hrs
- Science: 3 hrs
- Elective: 3 hrs

### Junior Year - Fall
- 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

### Senior Year - Fall
- ISM 3011C Essentials of Management Information Systems: 4 hrs
- MAN 3025 Management of Organizations: 4 hrs
- MAR 3613 Marketing Analysis and Research: 3 hrs

### Junior Year - Spring
- BUL 3130 Legal and Ethical Environment of Business: 4 hrs
- FIN 3403C Business Finance: 4 hrs
- MAR 3391 Professional Selling: 3 hrs
- MAR 3503 Customer Behavior: 3 hrs

### Sophomore Year - Spring
- MAR 4803 Marketing Management: 3 hrs
- MAR 4415C Advanced Professional Selling: 3 hrs
- MAR 3641 Marketing Intelligence: 3 hrs
- MAN 3025 Management of Organizations: 4 hrs

### Junior Year - Spring
- BUL 3130 Legal and Ethical Environment of Business: 4 hrs
- MAR 3023 Marketing: 4 hrs
- GEB 3375 Introduction to International Business: 4 hrs
- Science: 3 hrs

### Sophomore Year - Fall
- Health: 3 hrs
- MAC 2311 Calculus with Analytic Geometry I: 4 hrs
- COP 3502C Computer Science I: 3 hrs
- Required: 3 hrs

### Junior Year - Spring
- MAC 2312 Calculus with Analytic Geometry II: 4 hrs
- MAR 3503 Customer Behavior: 3 hrs
- MAR 3613 Marketing Analysis and Research: 3 hrs
- Required: 3 hrs

### Senior Year - Fall
- ISM 3011C Essentials of Management Information Systems: 4 hrs
- MAN 3025 Management of Organizations: 4 hrs
- MAR 3613 Marketing Analysis and Research: 3 hrs
- Required: 3 hrs

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oears.ucf.edu/acl/academic_learning_compacts.htm](http://www.oears.ucf.edu/acl/academic_learning_compacts.htm)

### Equipment Fees
- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

### Mathematics - Applied Track (B.S.)

#### Department of Mathematics, MAP, Room: 207

**http://math.ucf.edu**

**E-mail:** math@mail.ucf.edu

**Dr. H. Martin, MAP 215A, martin@math.ucf.edu, 407-823-5700**

**Phone:** 407-823-6264

The Department of Mathematics offers some courses with the same prefix and number as listed in requirements 1, 2 and 3, but with a suffix of H. These are for students in the Honors Program.

### Admission Requirements
- None

### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement: at least 24 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Math Department
- Co-op or internship credit cannot be used in this major
- Students must earn at least a “C” (2.0) in each required course
- Students should consult with a departmental advisor
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours
- All mathematics courses except the following must either be taken from or approved by the Department of Mathematics at UCF:
  - MAC 2311 Calculus with Analytic Geometry I: 4 hrs
  - MAC 2312 Calculus with Analytic Geometry II: 4 hrs
  - MAC 2313 Calculus with Analytic Geometry III: 4 hrs
  - MAP 2302 Differential Equations: 3 hrs

1. **UCF General Education Program (GEP)** (38 hrs)

#### 1. UCF General Education Program (GEP)

- **Note:** Certain courses must be selected for this major, bringing GEP hours above 36

- **A:** Communication Foundations (9 hrs)
- **B:** Cultural & Historical Foundations (9 hrs)
- **C:** Mathematical Foundations (7 hrs)
  - Required: COP 3502C Computer Science I: 3 hrs
  - Required: MAC 2311 Calculus with Analytic Geometry I: 4 hrs
- **D:** Social Foundations (6 hrs)
- **E:** Science Foundations (7 hrs)

#### Physical Science:
- **Required:** PHY 2048C Physics for Engineers & Scientists I: 4 hrs

#### Life & Earth Science: Select one listed course. 3 hrs
2. Common Program Prerequisites (CPP) (18 hrs)

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- See Transfer Notes for possible substitutes for some of the following courses.

- COP 2233 Introduction to Programming with C 3 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- MAP 2302 Differential Equations 3 hrs
- PHY 2048C Physics for Engineers & Scientists I 4 hrs
- PHY 2049C Physics for Engineers & Scientists II 3 hrs

3. Core Requirements: Basic Level (3 hrs)

- COP 3502C Computer Science I 4 hrs
- MAP 2302 Differential Equations 3 hrs
- PHY 2048C Physics for Engineers & Scientists I 4 hrs
- PHY 2049C Physics for Engineers & Scientists II 3 hrs
- STA 2023 Statistical Methods I 3 hrs

4. Core Requirements: Advanced Level (42 hrs)

- COT 4500 Numerical Calculus 3 hrs
- MAA 4226 Advanced Calculus I 4 hrs
- MAP 4103 Mathematical Modeling I 3 hrs
- MAP 4307 Applications of Complex Variables (Advanced Engineering Math) 3 hrs
- MAP 4363 Applied Boundary Value Problems I 3 hrs
- MAP 4364 Applied Boundary Value Problems II 3 hrs
- MAS 3105 Matrix and Linear Algebra 4 hrs
- MAS 3106 Linear Algebra 4 hrs
- MHF 3302 Logic and Proof in Mathematics 3 hrs
- STA 4321 Statistical Theory I 3 hrs
- STA 4322 Statistical Theory II 3 hrs

Select 1: 3 hrs

- ENC 3241 Writing for the Technical Professional 3 hrs
- ENC 3310 Magazine Writing I or 3 hrs
- ENC 3311 Advanced Expository Writing 3 hrs

Select 1: 3 hrs

- MAD 4203 Applied Combinatorics or 3 hrs
- MAP 4153 Vector and Tensor Analysis 3 hrs

5. Restricted Electives (6 hrs)

- Note: Students must satisfy course prerequisites before enrolling in these courses.

A. Applied Elective: 3 hrs

Select 1: 3 hrs

- COT 4210 Discrete Structures II or 3 hrs
- COT 4400 Tools for Algorithm Analysis or 3 hrs
- COT 5507 Computational Methods/Applications or 3 hrs
- COT 5510 Computational Methods/Linear Systems or 3 hrs
- EGN 3310 Engineering Analysis-Statics or 3 hrs
- EGN 3321 Engineering Analysis-Dynamics or 3 hrs
- EGN 3343 Thermodynamics or 3 hrs
- EGN 3373 Principles of Electrical Engineering or 3 hrs
- STA 4102 Computer Processing of Statistical Data or 3 hrs
- STA 4641 Risk Theory and Decision or 3 hrs
- STA 5103 Advanced Computer Processing of Statistical Data or 3 hrs

B. Biological or physical sciences Elective: 3 hrs

Select 1: 3 hrs

- CHM 2210 Organic Chemistry I or 3 hrs
- CHM 3410 Physical Chemistry I or 4 hrs
- PCB 3044 Principles of Ecology or 3 hrs
- PCB 3063 Genetics or 3 hrs
- PCB 4302C Physiochemical Limnology or 4 hrs
- PCB 4303C Biological Limnology or 4 hrs
- PHY 3101 Physics for Engineers and Scientists III or 3 hrs
- PHY 3323 Electricity and Magnetism I or 3 hrs
- PHY 4324 Electricity and Magnetism II or 3 hrs
- PHY 4424 Optics or 3 hrs
- PHY 4604 Wave Mechanics I 3 hrs
- PHY 4605 Wave Mechanics II 3 hrs
- PCB 3044 Principles of Ecology or 3 hrs
- PCB 3063 Genetics or 3 hrs
- PCB 4302 Physiochemical Limnology or 4 hrs
- PCB 4303 Biological Limnology or 4 hrs
- PHY 3101 Physics for Engineers and Scientists III or 3 hrs
- PHY 3323 Electricity and Magnetism I or 3 hrs
- PHY 4324 Electricity and Magnetism II or 3 hrs
- PHY 4424 Optics or 3 hrs
- PHY 4604 Wave Mechanics I 3 hrs

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

- None

8. Electives

- Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- Earn a grade of “C” (2.0) or better in each course required in the degree program (sections 2-4 above)
- Participate in an exit interview
- Before applying to graduate, the CLAS must be completely satisfied.
- Computer Competency met by the following: COP 3502C Computer Science I 3 hrs

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

- 120

Honors In Major

- None

Related Programs

- Actuarial Science
- Aerospace Engineering
- Computer Engineering
- Computer Science
- Electrical Engineering
- Mathematics Education
- Mechanical Engineering
- Statistics

Certificates

- None

Related Minors

- Computer Science
- Economics
- Physics
- Statistics

Advising Notes

- None

Transfer Notes

- Lower division courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
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/
- All mathematics courses except the following must either be taken from the UCF Mathematics Department:
  - MAC 2311 Calculus with Analytic Geometry I
  - MAC 2312 Calculus with Analytic Geometry II
  - MAC 2313 Calculus with Analytic Geometry III
  - MAC 3105 Matrix and Linear Algebra
  - PHY 2048C Physics for Engineers & Scientists I
  - PHY 2049C Physics for Engineers and Scientists II

Freshman Year - Fall
- GEP 3 hrs
- 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
- GEP 3 hrs
- Free Elective 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- MTH 3302 Logic and Proof in Mathematics 3 hrs

Sophomore Year - Fall
- 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
- 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
- Free 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

Junior Year - Spring
- GEP 3 hrs
- COP 3502C Computer Science I 3 hrs
- MAP 4307 Applications of Complex Variables (Advanced Engineering Math Series) 3 hrs
- MAP 4364 Applied Boundary Value Problems II 3 hrs

Senior Year - Fall
- Restricted Elective 3 hrs
- COT 4500 Numerical Calculus 3 hrs
- MAA 4226 Advanced Calculus I 4 hrs
- STA 4321 Statistical Theory I 3 hrs

Senior Year - Spring
- Restricted Elective 3 hrs
- Free Elective 3 hrs
- MAP 4103 Mathematical Modeling I 3 hrs
- STA 4322 Statistical Theory II 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

Mathematics - Computational Track (B.S.)
College of Sciences
Department of Mathematics, Math and Physics, Room: 207
http://math.ucf.edu
E-mail: math@mail.ucf.edu
Dr. H. Martin, MAP 215A, martin@math.ucf.edu, 407-823-5700
Phone: 407-823-6284

The Department of Mathematics offers some courses with the same prefix and number as listed in requirements 1, 2 and 3, but with a suffix of H. These are for students in the Honors Program.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement: at least 24 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Mathematics Department.
- Students must earn at least a "C" (2.0) in each required course.
- Co-op or internship credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Courses designated in sections 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

All mathematics courses except the following must either be taken from or approved by the Department of Mathematics at UCF:
- MAC 2311 Calculus with Analytic Geometry I
- MAC 2312 Calculus with Analytic Geometry II
- MAC 2313 Calculus with Analytic Geometry III
- MAP 2302 Differential Equations

1. UCF General Education Program (GEP) (38 hrs)
- Note: Certain courses must be selected for this major, bringing GEP hours above 36

A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (7 hrs)
  - Required COP 3502C Computer Science I 3 hrs
  - Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
D: Social Foundations (6 hrs)
E: Science Foundations (7 hrs)
  - 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

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.

3. Core Requirements: Basic Level (3 hrs)

   COP 3502C Computer Science I
   MAP 2302 Differential Equations
   PHY 2048C Physics for Engineers & Scientists I
   PHY 2049C Physics for Engineers and Scientists II
   STA 2023 Statistical Methods I
UCF Degree Programs

4. Core Requirements: Advanced Level (42 hrs)
   - COP 3503C Computer Science II 4 hrs
   - COT 4500 Numerical Calculus 3 hrs
   - ENC 3241 Writing for the Technical Professional 3 hrs
   - MAA 4226 Advanced Calculus I 4 hrs
   - MAD 4203 Applied Combinatorics 3 hrs
   - MAP 4307 Applications of Complex Variables (Advanced Engineering Math Series) 3 hrs
   - MAP 4363 Applied Boundary Value Problems I 3 hrs
   - MAP 4364 Applied Boundary Value Problems II 3 hrs
   - MAS 3106 Linear Algebra 4 hrs
   - STA 4321 Statistical Theory I 3 hrs
   - STA 4322 Statistical Theory II 3 hrs

Select 1:
   - COT 3100C Introduction to Discrete Structures or 3 hrs
   - MHP 3302 Logic and Proof in Mathematics 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)
   - COP 3402 Systems Software or 3 hrs
   - COP 4220 Programming Languages I or 3 hrs
   - COP 4213C Processes for Object-Oriented Software Development or 4 hrs
   - COP 4600 Operating Systems or 3 hrs
   - COT 4210 Discrete Structures II or 3 hrs
   - EEL 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.
    - Computer Competency met by the following:
      - COP 3502C Computer Science I 3 hrs

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF.
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
   - 120

Honors in Major
   - None

Related Programs
   - Computer Science
   - Electrical Engineering
   - Mathematics - Applied Track
   - Mathematics Education
   - Statistics

Certificates
   - None

Related Minors
   - Computer Science
   - Physics
   - Statistics

Advising Notes
   - None

Transfer Notes
   - Lower division courses taken at community colleges do not substitute for Upper Division courses
   - Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
   - Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
     - Computer Programming: may use any programming language course with a COP prefix.
     - Physics: The CPP accepts any PHY, CHM or BSC course with a lab designed for science majors; however these physics classes and labs are core requirements and still must be taken.

Plan of Study
   - One of numerous possible plans of study. See program description for all requirements.
   - Prior to enrolling in Chemistry, take Chemistry Placement Test ~ http://chemplacement.sdes.ucf.edu/
   - Prior to enrolling in your first Math course, take Math Placement Test ~ http://mathplacement.sdes.ucf.edu/

Freshman Year - Fall 14 hrs
   - GEP 3 hrs
   - Free Elective 4 hrs
   - MAC 2311 Calculus with Analytic Geometry I 4 hrs
   - STA 2023 Statistical Methods I 3 hrs

Freshman Year - Spring 16 hrs
   - GEP 3 hrs
   - GEP 3 hrs
   - GEP 3 hrs
   - MAC 2312 Calculus with Analytic Geometry II 4 hrs
   - MHP 3302 Logic and Proof in Mathematics 3 hrs

Sophomore Year - Fall 15 hrs
   - GEP 3 hrs
   - MAC 2313 Calculus with Analytic Geometry III 4 hrs
   - MAS 3105 Matrix and Linear Algebra 4 hrs
   - PHY 2048C Physics for Engineers & Scientists I 4 hrs

Sophomore Year - Spring 14 hrs
   - GEP 3 hrs
   - MAP 2302 Differential Equations 3 hrs
   - MAS 3106 Linear Algebra 4 hrs
   - PHY 2049C Physics for Engineers and Scientists II 4 hrs

Junior Year - Fall 15 hrs
   - GEP 3 hrs
   - Restricted Elective 3 hrs
   - Core Course 3 hrs
   - COP 3223 Introduction to Programming with C 3 hrs
   - MAP 4363 Applied Boundary Value Problems I 3 hrs

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Junior Year - Spring 15 hrs
Restrictive Elective 3 hrs
GEP 3 hrs
COP 3502C Computer Science I 3 hrs
MAP 4307 Applications of Complex Variables (Advanced Engineering Math Series) 3 hrs
MAP 4364 Applied Boundary Value Problems II 3 hrs

Senior Year - Fall 16 hrs
Restrictive Elective 3 hrs
Restrictive Elective 3 hrs
COP 3503C Computer Science II 4 hrs
MAD 4203 Applied Combinatorics 3 hrs
STA 4321 Statistical Theory I 3 hrs

Senior Year - Spring 15 hrs
Restrictive Elective 3 hrs
Restrictive Elective 3 hrs
GEP 3 hrs
COT 4500 Numerical Calculus 3 hrs
ENC 3241 Writing for the Technical Professional 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oaes.ucf.edu/alc/academic_learning_compacts.htm

Mathematics - Engineering/Physics Track (B.S.)
College of Sciences
Department of Mathematics, Math and Physics, Room: 207

http://math.ucf.edu
E-mail: math@mail.ucf.edu
Dr. H. Martin, MAP 215A, martin@mail.ucf.edu, 407-823-5700
Phone: 407-823-6284

The Department of Mathematics offers some courses with the same prefix and number as listed in requirements 1, 2 and 3, but with a suffix of H. These are for students in the Honors Program.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement: at least 24 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Mathematics Department.
- Students must earn at least a C (2.0) in each required course.
- Co-op or internship credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Courses designated in sections 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- All mathematics courses except the following must either be taken from or approved by the Department of Mathematics at UCF:
  MAC 2311 Calculus with Analytic Geometry I 4 hrs
  MAC 2312 Calculus with Analytic Geometry II 4 hrs
  MAC 2313 Calculus with Analytic Geometry III 4 hrs
  MAP 2302 Differential Equations 3 hrs

1. UCF General Education Program (GEP) (38 hrs)
- Note: Certain courses must be selected for this major, bringing GEP hours above 36

A: Communication Foundations
- Required COP 3502C Computer Science I 3 hrs

B: Culture & Historical Foundations
- Required MAC 2311 Calculus with Analytic Geometry I 4 hrs

C: Mathematical Foundations
- Required COP 3502C Computer Science I 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (7 hrs)
- Physical Sciences
- Required PHY 2048C Physics for Engineers & Scientists I 4 hrs

Life & Earth Sciences.
- Select one course listed in GEP E 2.

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 322 Introduction to Programming with C 3 hrs
  - MAC 2311 Calculus with Analytic Geometry I 4 hrs
  - MAC 2312 Calculus with Analytic Geometry II 4 hrs
  - MAC 2313 Calculus with Analytic Geometry III 4 hrs
  - MAP 2302 Differential Equations 3 hrs
  - PHY 2048C Physics for Engineers & Scientists I 4 hrs
  - PHY 2049C Physics for Engineers & Scientists II 4 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 & Scientists II 3 hrs

4. Core Requirements: Advanced Level (53 hrs)
  - EGN 3321 Engineering Analysis-Dynamics 3 hrs
  - MAC 2246 Advanced Calculus I 3 hrs
  - MAP 4135 Vector and Tensor Analysis 3 hrs
  - MAP 4307 Applications of Complex Variables (Advanced Engineering Math Series) 3 hrs
  - MAP 4363 Applied Boundary Value Problems I 3 hrs
  - MAP 4364 Applied Boundary Value Problems II 3 hrs

Select 1:
  - COT 3100C Introduction to Discrete Structures or 3 hrs
  - MHH 3302 Logic and Proof in Mathematics 3 hrs

Select 1:
  - EML 3594C Modeling Methods in Mechanical and Aerospace Engineering or 3 hrs
  - MAP 4103 Mathematical Modeling I or 3 hrs
  - PHZ 3151 Computer Methods in Physics 3 hrs

Select 1:
  - COT 4500 Numerical Calculus or 3 hrs
  - EGN 3420 Engineering Analysis 3 hrs

Select 1:
  - MAD 4203 Applied Combinatorics or 3 hrs
  - MAS 3106 Linear Algebra 4 hrs

Select 1:
  - EGN 3310 Engineering Analysis-Statics or 3 hrs
  - PHY 3320 Mechanics I 3 hrs

Select 1:
  - EGN 3373 Principles of Electrical Engineering or 3 hrs
  - PHY 3101 Physics for Engineers and Scientists III 3 hrs

Select 1:
  - CHM 2046 Chemistry Fundamentals II or 3 hrs
  - Or any MAA, MAD, MAS, or MTG course at 3000 level or above

Select 1:
  - EGN 3358 Thermo-Fluids-Heat Transfer or 3 hrs
  - PHY 3313 Thermal and Statistical Physics or 3 hrs
  - Or any MAA, MAD, MAS, or MTG course at 3000 level or above
## UCF Degree Programs

### Select 1:
- CWR 3201 Engineering Fluid Mechanics or EGN 3373 Structures and Properties of Materials 3 hrs
- EML 3701 Fluid Mechanics I or EML 3701 Solid Mechanics 3 hrs
- ESI 4628C Industrial Engineering Applications of Computers or ESI 4628C Engineering Applications of Computers 3 hrs
- 1 PHY 3101 Physics for Engineers and Scientists III or EML 3701 Solid Mechanics 3 hrs
- PHZ 3113 Introduction to Theoretical Methods of Physics or EML 4220 Vibration Analysis 3 hrs

### Select 2:
- CHM 2046 Chemistry Fundamentals I or EEL 3004 Electrical Networks or EML 3601 Solid Mechanics or EML 3601 Solid Mechanics 4 hrs
- EEL 4750 Electromagnetic Fields or EEL 4750 Electromagnetic Fields 3 hrs
- EAS 4101 Fundamentals of Aerodynamics or EAS 4101 Fundamentals of Aerodynamics 3 hrs
- EIS 4312 Operations Research or EIS 4312 Operations Research 3 hrs
- PHY 3604 Wave Mechanics I or EML 3701 Solid Mechanics 3 hrs

### Select 1:
- CES 4100C Structural Analysis I and Lab or EEA 3300C Manufacturing Systems or EGA 3331 Mechanics of Materials or EGA 3331 Mechanics of Materials 3 hrs
- EAS 3101 Fundamentals of Aerodynamics or ECI 4601 Electromechanical Systems or ECO 3000 Introduction to Industrial Engineering and Management Systems or ECO 3000 Introduction to Industrial Engineering and Management Systems 3 hrs

### Select 2:
- CWR 4101C Hydrology or EEL 4200 Flight Structures or EAS 4400 Spacecraft Attitude Dynamics or EEL 4200 Flight Structures 3 hrs
- EAS 4505 Orbital Mechanics or EEE 3342C Digital Systems or EAS 4400 Spacecraft Attitude Dynamics 3 hrs
- EML 3352C Analog and Digital Communication or EEE 3502C Computer Science I or EEE 3502C Computer Science I 4 hrs
- EEL 4350 Linear Control Systems or EEE 3801C Computer Organization or EEE 4742C Embedded Systems or EEE 3801C Computer Organization 3 hrs
- EEL 4750 Digital Signal Processing Fundamentals or EEL 4832 Engineering Applications of Computer Methods or EEL 4832 Engineering Applications of Computer Methods 3 hrs
- EEL 4851C Engineering Data Structures or EML 3262 Kinematics of Mechanisms or EML 4142 Heat Transfer or EML 4142 Heat Transfer 3 hrs
- EML 4312C Feedback Control or EML 4703 Fluid Mechanics II or ENV 4561 Environmental Engineering - Process Design or ENV 4561 Environmental Engineering - Process Design 3 hrs
- ESI 4234 Quality Engineering or ESI 4523C Systems Simulation or PHY 3323 Electricity and Magnetism I or PHY 3323 Electricity and Magnetism I or PHY 3323 Electricity and Magnetism I or PHY 3323 Electricity and Magnetism I 3 hrs
- PHY 4324 Electricity and Magnetism II or STA 4321 Statistical Theory I or STA 4321 Statistical Theory I 3 hrs
- STA 4322 Statistical Theory II or STA 4322 Statistical Theory II or STA 4322 Statistical Theory II 3 hrs

1. (PHY 3101 may be selected only if EGN 3373 is also taken)

### 5. Restricted Electives

<table>
<thead>
<tr>
<th>Select 1:</th>
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</tr>
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<tbody>
<tr>
<td>CES 4100C Structural Analysis I and Lab</td>
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<tr>
<td>EEL 4200 Flight Structures</td>
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<td>EAS 4400 Spacecraft Attitude Dynamics</td>
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<td>EAS 4505 Orbital Mechanics</td>
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<td>EEE 3342C Digital Systems</td>
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<td>EAS 3101 Fundamentals of Aerodynamics</td>
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<td>ECI 4601 Electromechanical Systems</td>
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<td>EEL 4200 Flight Structures</td>
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<td>EEE 3502C Computer Science I</td>
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<td>EML 3262 Kinematics of Mechanisms</td>
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<td>EML 4142 Heat Transfer</td>
<td>3 hrs</td>
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<tr>
<td>EML 4312C Feedback Control</td>
<td>3 hrs</td>
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<tr>
<td>EML 4703 Fluid Mechanics II</td>
<td>3 hrs</td>
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<tr>
<td>ENV 4561 Environmental Engineering - Process Design</td>
<td>4 hrs</td>
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<td>ESI 4234 Quality Engineering</td>
<td>3 hrs</td>
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<td>ESI 4523C Systems Simulation</td>
<td>3 hrs</td>
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<td>PHY 3323 Electricity and Magnetism I</td>
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<tr>
<td>PHY 4324 Electricity and Magnetism II</td>
<td>3 hrs</td>
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<td>STA 4321 Statistical Theory I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 4322 Statistical Theory II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Or any MAA, MAD, MAP, or MAS course at 3000 level or above</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 6. Capstone Requirements
- None

### 7. Foreign Language Requirements

#### Admissions
- Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

#### Graduation
- None

### 8. Electives
- Students desiring a double major in Engineering or Physics and Mathematics must also complete all requirements of both majors. Students should select electives which satisfy both majors simultaneously when possible.

### 9. Additional Requirements
- None

### 10. Required Requirements
- None

### 11. Departmental Exit Requirements
- Earn a grade of “C” (2.0) or better in each course required in the degree program (sections 2-5 above).
- Participate in an exit interview.
- Before applying to graduate, the CLAS must be completely satisfied.
- Computer Competency met by the following:
  - COP 3502C Computer Science I 3 hrs

### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

#### Total Semester Hours Required
- 120

### Honors In Major
- None

### Related Programs
- Aerospace Engineering
- Civil Engineering
- Computer Science
- Electrical Engineering
- Mathematics - Applied Track
- Mathematics Education
- Mechanical Engineering
- Physics
- Statistics

### Certificates
- None

### Related Minors
- Computer Science
- Physics
- Statistics

### Advising Notes
- None

### Transfer Notes
- Lower division courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
Acceptable Substitutes for Transfer Courses
- Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF.
- Computer Programming: may use any programming language course with a COP prefix to satisfy the CPP.
- Physics: may use any PHY, CHM or BSC course with a lab designed for science majors to satisfy the CPP; however, these physics classes are core requirements and still must be taken.

Plan of Study
- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Prior to enrolling in Chemistry, take Chemistry Placement Test ~ http://chemplacement.sdes.ucf.edu/
- Prior to enrolling in Math, take Math Placement Test ~ http://mathplacement.sdes.ucf.edu/

Freshman Year - Fall
- GEP 13 hrs
- GEP 3 hrs
- GEP 3 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- STA 2023 Statistical Methods I 3 hrs

Freshman Year - Spring
- GEP 16 hrs
- GEP 3 hrs
- GEP 3 hrs
- Core Course 3 hrs
- Core Course 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs

Sophomore Year - Fall
- GEP 14 hrs
- GEP 3 hrs
- GEP 3 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- PHY 2048C Physics for Engineers & Scientist I 4 hrs

Sophomore Year - Spring
- GEP 16 hrs
- Core Course 3 hrs
- Free Elective 3 hrs
- MAP 2302 Differential Equations 3 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs

Junior Year - Fall
- GEP 15 hrs
- Core Course 3 hrs
- Core Course 3 hrs
- Core Course 3 hrs
- Free Elective 3 hrs
- MAP 4153 Vector and Tensor Analysis 3 hrs

Junior Year - Spring
- GEP 16 hrs
- Core Course 3 hrs
- Core Course 3 hrs
- Core Course 3 hrs
- GEP 3 hrs
- MAA 4226 Advanced Calculus I 4 hrs
- MAP 4307 Applications of Complex Variables (Advanced Engineering Math Series) 3 hrs

Senior Year - Fall
- Core Course 15 hrs
- Core Course 3 hrs
- Core Course 3 hrs
- Restricted Elective 3 hrs
- EGN 3321 Engineering Analysis-Dynamics 3 hrs
- MAP 4363 Applied Boundary Value Problems I 3 hrs

Senior Year - Spring
- Core Course 15 hrs
- Core Course 3 hrs
- Core Course 3 hrs
- Restricted Elective 3 hrs
- Core Course 3 hrs
- MAP 4364 Applied Boundary Value Problems II 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Mathematics - Mathematical Economics Track (B.S.)
College of Sciences
Department of Mathematics, Math and Physics, Room: 207
http://math.ucf.edu
E-mail: math@mail.ucf.edu
Dr. H. Martin, MAP 215A, martin@math.ucf.edu
Phone: 407-823-5700

The Mathematics - Mathematical Economics track is designed for students who wish to earn a B.S. degree in Mathematics with an emphasis in Economics. This interdisciplinary program is carefully structured so that a student has an opportunity to develop mathematical skills that can be applied to problems in economic theory and quantitative analysis. These critical thinking and analytical skills will be useful as preparation for graduate study and careers in a variety of fields.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement: at least 24 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Mathematics and Economics Departments.
- Students must earn at least a “C” (2.0) in each required course.
- Co-op or internship credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Courses designated in sections 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- Students should consult with the major advisors for the Department of Mathematics and Economics.
- All mathematics courses, except the following, must either be taken from or approved by the Department of Mathematics at UCF.
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- MAP 2302 Differential Equations 3 hrs

1. UCF General Education Program (GEP) (38 hrs)
- Note: Certain courses must be selected for this major, bringing GEP hours above 36

A: Communication Foundations (9 hrs)
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (7 hrs)
- Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
- Required STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)

Select 1:
- Required ECO 2013 Principles of Macroeconomics or 3 hrs
- Required ECO 2023 Principles of Microeconomics or 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 (7 hrs)

1. Physical or Life Science designed for majors. 4 hrs
- Required BSC 2010C Biology I or 4 hrs
- Required CHM 2045C Chemistry Fundamentals I or 4 hrs
- Required PHY 2048C Physics for Engineers & Scientists I 4 hrs
2. Remaining Science Requirement  
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.

3. Core Requirements: Basic Level  
(26 hrs)
- ECO 2013 Principles of Macroeconomics 3 hrs
- ECO 2023 Principles of Microeconomics GEP 3 hrs
- ECO 3101 Intermediate Microeconomics 3 hrs
- ECO 3203 Intermediate Macroeconomics 3 hrs
- ECO 4451 Research Methods in Economics 3 hrs
- MAP 2302 Differential Equations CPP 3 hrs
- CHM 2050L Chemistry Fundamentals Laboratory 1 hr
- PHY 2048C Physics for Engineers & Scientists I 4 hrs
- STA 2023 Statistical Methods I GEP 3 hrs
- STA 4321 Statistical Theory I 3 hrs

Remaining Science Sequence
- Complete the science sequence started in the Common Program Prerequisites.
- PHY 204C Physics for Engineers and Scientists II 4 hrs
  or
- CHM 2046 Chemistry Fundamentals I or 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
  or
- BSC 2011C Biology II 4 hrs

4. Core Requirements: Advanced Level  
(17 hrs)
- ECO 3410 Mathematical Economics 3 hrs
- ECO 4412 Econometrics 3 hrs
- MAA 4226 Advanced Calculus I 4 hrs
- MAP 4103 Mathematical Modeling I 3 hrs
- MAS 3106 Linear Algebra 4 hrs

5. Restricted Electives  
(18 hrs)
- Select three courses from each of the following two areas:
  
  Area 1
  - COT 4500 Numerical Calculus 3 hrs
  - MAD 4203 Applied Combinatorics 3 hrs
  - MAP 4113 Probability, Random Processes and 3 hrs
    Applications I
  - MAP 4307 Applications of Complex Variables (Advanced 3 hrs
    Engineering Math Series)
  - MAP 4363 Applied Boundary Value Problems I 3 hrs

  Area 2
  - ECO 3703 International Microeconomics 3 hrs
  - ECO 4504 Public Economics 3 hrs
  - ECO 4713 International Macroeconomics 3 hrs
  - ECP 4303 Environmental and Natural Resource 3 hrs
    Economics
  - ECP 4403 Industrial Organization and Game Theory 3 hrs
  - STA 4322 Statistical Theory II 3 hrs

6. Capstone Requirements
- None

7. Foreign Language Requirements
- Admissions
  - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent 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 earn a grade of “C” (2.0) or better in each course applied towards the major as well as a 2.0 overall average.
- Computer Competency met by one of the following:
  - COP 3223 Introduction to Programming with C 3 hrs
  - ECO 4451 Research Methods in Economics 3 hrs

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residence 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
- Mathematics - Applied Track
- Statistics

Certificates
- None

Related Minors
- Computer Science
- Economics
- Mathematics
- 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.

Acceptable Substitutes for Transfer Courses
- Substitutes for common program prerequisites if taken prior to transferring to UCF.
- Computer Programming: may use any programming language course with a COP prefix.

Plan of Study
- One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

Freshman Year - Fall  
16 hrs
- GEP 3 hrs
- COP 3223 Introduction to Programming with C 3 hrs
- ENC 1101 Composition I 3 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- STA 2023 Statistical Methods I 3 hrs
### Mathematics - Pure Track (B.S.)

**College of Sciences**

**Department of Mathematics, Math and Physics, Room:** 207

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

**E-mail:** math@mail.ucf.edu

Dr. H. Martin, MAP 215A, martin@math.ucf.edu, 407-823-5700

Phone: 407-823-6284

The Department of Mathematics offers some courses with the same prefix and number as listed in requirements 1, 2 and 3, but with a suffix of H. These are for students in the Honors Program.

**Admission Requirements**

- None

**Degree Requirements**

- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement: at least 24 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Mathematics Department.
- Students must earn at least a "C" (2.0) in each required course.

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**UCF Degree Programs**

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<tr>
<th>Freshman Year - Spring</th>
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<tr>
<td>GEP</td>
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<tr>
<td>ECO 2023</td>
<td>Principles of Microeconomics</td>
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<tr>
<td>ENC 1102</td>
<td>Composition II</td>
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<tr>
<td>MAC 2312</td>
<td>Calculus with Analytic Geometry II</td>
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<tr>
<td>MTH 3302</td>
<td>Logic and Proof in Mathematics</td>
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**Sophomore Year - Fall**

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<td>GEP</td>
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**Sophomore Year - Spring**

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**Junior Year - Fall**

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<td>ECO 3203</td>
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<td>STA 4321</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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<tbody>
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<td>ECO 4451</td>
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**Program Academic Learning Compacts**

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oews.ucf.edu/alc/academic_learning_compacts.htm](http://www.oews.ucf.edu/alc/academic_learning_compacts.htm)

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**UCF General Education Program (GEP)**

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<tbody>
<tr>
<td>A: Communication Foundations</td>
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<td>B: Cultural &amp; Historical Foundations</td>
</tr>
<tr>
<td>C: Mathematical Foundations</td>
</tr>
<tr>
<td>D: Social Foundations</td>
</tr>
<tr>
<td>E: Science Foundations</td>
</tr>
<tr>
<td>E.1: Physical Sciences</td>
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</table>

- Required COP 3502 Computer Science I | 3 hrs |
- Required MAC 2311 Calculus with Analytic Geometry I | 4 hrs |
- Required PHY 2048C Physics for Engineers & Scientists I | 4 hrs |

**E.2: Life & Earth Sciences:**

- Select a listed course | 3 hrs

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

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<tr>
<th>18 hrs</th>
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</table>
| 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**

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<tbody>
<tr>
<td>MAP 2302</td>
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**4. Core Requirements: Advanced Level**

<table>
<thead>
<tr>
<th>42 hrs</th>
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</thead>
<tbody>
<tr>
<td>COP 3502C</td>
</tr>
<tr>
<td>MAA 4226</td>
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<tr>
<td>MAA 4227</td>
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<tr>
<td>MAF 4203</td>
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<tr>
<td>MAP 4307</td>
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<td>MAP 4363</td>
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<td>MAS 3105</td>
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<td>MAS 4301</td>
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<td>MTH 3302</td>
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<tr>
<td>MTG 4302</td>
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<tr>
<td>STA 4321</td>
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<tr>
<td>STA 4322</td>
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</table>

**Select 1:**

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<tr>
<td>ENC 3241</td>
</tr>
<tr>
<td>ENC 3310</td>
</tr>
<tr>
<td>ENC 3311</td>
</tr>
</tbody>
</table>
UCF Degree Programs

5. Restricted Electives (3 hrs)
- Biological or physical sciences electives 3 hrs
  - Note: Students must satisfy course prerequisites before enrolling in these courses.

Select 1: 3 hrs
- CHM 2046 Chemistry Fundamentals II or 3 hrs
- CHM 2210 Organic Chemistry I or 3 hrs
- PCB 3044 Principles of Ecology or 3 hrs
- PCB 3063 Genetics or 3 hrs
- PCB 4302C Physiochemical Limnology or 4 hrs
- PCB 4303C Biological Limnology or 4 hrs
- PHY 3101 Physics for Engineers and Scientists III or 3 hrs
- PHY 3323 Electricity and Magnetism I or 3 hrs
- PHY 4424 Optics 3 hrs

6. Capstone Requirements
- None

7. Foreign Language Requirements
Admissions
- Two years high school or one year college language (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Earn a grade of “C” (2.0) or better in each course required in the degree program.
- Participate in an exit interview.
- Before applying to graduate, the CLAS must be completely satisfied.
- Computer Competency met by the following:
  - COP 3502C Computer Science I 3 hrs

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120

Honors In Major
- None

Related Programs
- Computer Science
- Mathematics - Applied Track
- Mathematics - Mathematical Economics Track
- Mathematics Education
- Statistics

Certificates
- None

Related Minors
- Computer Science
- Economics
- Mathematics
- Physics
- Statistics

Advising Notes
- None

Transfer Notes
- Lower division courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- The following substitutions are acceptable for common program prerequisites if taken as part of the AA course work prior to transferring to UCF:
  - Computer Programming: may use any programming course with a COP prefix.
- Physics: may use any PHY, CHM or BSC course with a lab designed for science majors; however, these Physics classes are core requirements and still must be taken.

Plan of Study
- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Prior to enrolling in Chemistry, take Chemistry Placement Test ~ http://chemplacement.sdes.ucf.edu
- Prior to enrolling in Math, take Math Placement Test ~ http://mathplacement.sdes.ucf.edu/

Freshman Year - Fall 13 hrs
- GEP 3 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- STA 2023 Statistical Methods I 3 hrs

Freshman Year - Spring 16 hrs
- GEP 3 hrs
- GEP 3 hrs
- Free Elective 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- MHF 3302 Logic and Proof in Mathematics 3 hrs

Sophomore Year - Fall 15 hrs
- GEP 3 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- MAS 3105 Matrix and Linear Algebra 4 hrs
- PHY 2049C Physics for Engineers & Scientists I 4 hrs

Sophomore Year - Spring 14 hrs
- GEP 3 hrs
- MAP 2302 Differential Equations 3 hrs
- MAS 3106 Linear Algebra 4 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs

Junior Year - Fall 15 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs
- COP 3223 Introduction to Programming with C 3 hrs
- MAS 4301 Abstract Algebra I 3 hrs

Junior Year - Spring 16 hrs
- Restricted Elective 4 hrs
- Free Elective 4 hrs
- COP 3502C Computer Science I 3 hrs
- MAP 4307 Applications of Complex Variables (Advanced Engineering Math Series) 3 hrs

Senior Year - Fall 16 hrs
- GEP 3 hrs
- ENC 3241 Writing for the Technical Professional 3 hrs
- MAA 4226 Advanced Calculus I 4 hrs
- MAD 4203 Applied Combinatorics 3 hrs
- STA 4321 Statistical Theory I 3 hrs

Senior Year - Spring 16 hrs
- GEP 3 hrs
- Free Elective 4 hrs
- MAA 4227 Advanced Calculus II 3 hrs
- MTG 4302 Introduction to Topology 3 hrs
- STA 4322 Statistical Theory II 3 hrs
Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/aic/academic_learning_compacts.htm

Mathematics Education (B.S.)
College of Education
Department of Teaching and Learning Principles, Education Building, Room: 209
http://education.ucf.edu/mathed
Dr. Janet Andreason, ED 123Q, jandreas@mail.ucf.edu, 407-823-5430
Dr. Erhan Haciomeroglu, ED 115L, erhansh@mail.ucf.edu, 407-823-4336

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university
- Have a minimum 2.5 overall GPA
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of "C-" (1.75) or better
- Meet the Gordon Rule Requirement.
- Meet the foreign language admission requirement.

Degree Requirements
- Students should see an advisor prior to registering for classes
- The courses designated in 1. (General Education) and 2. (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. UCF General Education Program (GEP) (37 hrs)
- Students are advised to take the preferred courses.

<table>
<thead>
<tr>
<th>A: Communication Foundations (9 hrs)</th>
<th>Required ENC 1101 Composition I 3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required ENC 1102 Composition II 3 hrs</td>
<td></td>
</tr>
<tr>
<td>Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>B: Cultural &amp; Historical Foundations (9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prefer AMH 2010 U.S. History: 1492-1877 3 hrs</td>
</tr>
<tr>
<td>Prefer AMH 2020 U.S. History: 1877-Present 3 hrs</td>
</tr>
<tr>
<td>Prefer PHI 2010 Introduction to Philosophy 3 hrs</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>C: Mathematical Foundations (7 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required MAC 2311 Calculus with Analytic Geometry I 4 hrs</td>
</tr>
<tr>
<td>Required STA 2023 Statistical Methods I 3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>D: Social Foundations (6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prefer POS 2041 American National Government 3 hrs</td>
</tr>
<tr>
<td>Prefer PSY 2012 General Psychology 3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>E: Science Foundations (6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prefer PSC 1121 Physical Science 3 hrs</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Take all of the following: 9 hrs</th>
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</thead>
<tbody>
<tr>
<td>EDF 2005 Introduction to the Teaching Profession and 3 hrs</td>
</tr>
<tr>
<td>¹EDF 2085 Introduction to Diversity for Educators and 3 hrs</td>
</tr>
<tr>
<td>EME 2040 Introduction to Technology for Educators 3 hrs</td>
</tr>
</tbody>
</table>

¹ In addition to this course, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

3. Core Requirements: Basic Level (14 hrs)
- Students should consult advisor regarding course options.

<table>
<thead>
<tr>
<th>EDF 2130 Child and Adolescent Development 3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 2311 Calculus with Analytic Geometry I GEP</td>
</tr>
<tr>
<td>MAC 2312 Calculus with Analytic Geometry II 4 hrs</td>
</tr>
<tr>
<td>MAC 2313 Calculus with Analytic Geometry III 4 hrs</td>
</tr>
<tr>
<td>MAP 2302 Differential Equations 3 hrs</td>
</tr>
<tr>
<td>STA 2023 Statistical Methods I GEP</td>
</tr>
</tbody>
</table>

¹ Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

4. Core Requirements: Advanced Level (60 hrs)

Education Core Requirements 18 hrs
- Prior to Internship I, the student must have completed EDG 4410 and at least 50% of all required mathematics courses must be completed prior to Internship I with a minimum grade of "C-" (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.

| EDF 4467 Learning Theory and Assessment 3 hrs |
| EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs |
| EDG 4410 Teaching Strategies and Classroom Management 3 hrs |
| EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs |
| RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs |
| TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs |

Internship 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/

| ¹MAE 3940 Internship 3 hrs |
| MAE 4360 Mathematics Instructional Analysis 4 hrs |

1 3 hours

Specialization Requirements 23 hrs
- A grade of "C-" (1.75) or better is required.

| MAE 4634 Programs in Teaching of Mathematics 3 hrs |
| MAS 3105 Matrix and Linear Algebra 4 hrs |
| MAS 3203 Introduction to Number Theory 3 hrs |
| MTH 3302 Logic and Proof in Mathematics 3 hrs |
| MTH 4404 History of Mathematics 3 hrs |
| MTG 4212 Modern Geometries 4 hrs |
| STA 4163 Statistical Methods II 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.
### UCF Degree Programs

- Passing scores on the Subject Area Examination (Mathematics 6-12) portion of the Florida Teacher Certification Examination is strongly recommended prior to entry into Internship II.
- Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.clinicalexperiences.education.ucf.edu.
- Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the preprofessional level in accordance with State Board of Education Rule 6A-5.066.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable).
- CLEP, Credit by Exam, and Armed Forces credits permitted.
- Certification Examination.
- Practices.
- residency at UCF
- higher education requirements: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

### Graduation

- None

### Electives

- None

### Additional Requirements

- None

### Required Minors

- None

### Departmental Exit Requirements

- Achieve a minimum 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.

### University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A 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

- EDF 2085 Introduction to Diversity for Educators 3 hrs
- ENC 1101 Composition I 3 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- PSC 1121 Physical Science 3 hrs

#### Freshman Year - Spring

- AMH 2010 U.S. History: 1492-1877 3 hrs
- ENC 1102 Composition II 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

#### Select 1:

- AN 2511 The Human Species or 3 hrs
- BSC 1005 Biological Principles 3 hrs

#### Freshman Year - Summer

- EDF 2005 Introduction to the Teaching Profession 3 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- PHI 2010 Introduction to Philosophy 3 hrs

#### Sophomore Year - Fall

- MAP 2302 Differential Equations 3 hrs
- MHF 3302 Logic and Proof in Mathematics 3 hrs
- POS 2041 American National Government 3 hrs
- PSY 2012 General Psychology 3 hrs
- STA 2023 Statistical Methods I 3 hrs

#### Sophomore Year - Spring

- AMH 2020 U.S. History: 1877-Present 3 hrs
- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs
- MAS 3105 Matrix and Linear Algebra 4 hrs
- MAS 3203 Introduction to Number Theory 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

- EDF 4467 Learning Theory and Assessment 3 hrs
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- EX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
- MTG 4212 Modern Geometries 4 hrs
- STA 4163 Statistical Methods II 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

#### Junior Year - Spring

- MAE 4344 Programs in Teaching of Mathematics 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 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

- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- MAE 3940 Internship 3 hrs
- MAE 4360 Mathematics and Instructional Analysis 4 hrs
- MAF 4404 History of Mathematics 3 hrs

#### Senior Year - Spring

- MAE 4941 Internship 12 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
Mechanical Engineering (B.S.M.E.)
College of Engineering and Computer Science
Department of Mechanical, Materials, and Aerospace Engineering, Engineering, Room: 307
http://www.mmae.ucf.edu
E-mail: mmaeugrad@mail.ucf.edu
Dr. Kuo-Chi Lin, klin@mail.ucf.edu, 407-823-0137
Ms. Waheeda Illasarie, willasar@mail.ucf.edu, 407-823-5448
Phone: 407-823-2416

U CF Degree Programs

3. Core Requirements: Basic Level (2 hrs)

Required Courses: Basic 2 hrs

The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing these courses, together with the core requirements, restricted electives, and senior design courses listed below.

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

4. Core Requirements: Advanced Level (65 hrs)

Required Courses: Advanced 44 hrs

EGN 3301 Solid Mechanics 3 hrs
EGN 3310 Engineering Analysis-Statics 3 hrs
EGN 3320 Engineering Analysis-Dynamics 3 hrs
EGN 3332 Thermodynamics 3 hrs
EGN 3365 Structure and Properties of Materials 3 hrs
EGN 3370 Principles of Electrical Engineering 3 hrs
EML 3034C Modeling Methods in Mechanical and Aerospace Engineering 3 hrs

Select one of the following three options for your senior year to complete your BSME:

Energy Systems Option 21 hrs

EML 3101 Thermodynamics of Mechanical Systems and Energy Systems Option 21 hrs
EML 4145 Topics in Heat Transfer and Energy Systems Option 21 hrs
EML 4221C Mechanical Systems Experimental Techniques and Thermal Fluid Experiment and EML 4034C Design of Thermo-Fluid Experiment and Energy Systems Option 21 hrs
EML 4703 Fluid Mechanics II and Approved Electives 9 hrs
Approved Electives 9 hrs

Mechanical Systems Option 21 hrs

EGN 3301 Solid Mechanics 3 hrs
EGN 3310 Engineering Analysis-Statics 3 hrs
EGN 3365 Structure and Properties of Materials 3 hrs
Approved Electives 12 hrs

Material Option 21 hrs

EMA 3012C Experimental Techniques in Mechanics and Materials 3 hrs
EMA 3012C Experimental Techniques in Mechanics and Materials 3 hrs
EMA 3124 Design and Selection of Materials 3 hrs
EMA 4102 Thermodynamics and Kinetics of Materials 3 hrs
EMA 4223 Fundamentals of Mechanical Behavior of Materials and 3 hrs
Approved Electives 9 hrs

Approved Electives 9 hrs

5. Restricted Electives (0 hrs)

Technical electives are available in the BSME program to address specific student interests in a variety of technical areas. Students should consult with their Department for a list of the approved restricted and technical electives and the terms when specific courses of this type are to be offered.

http://mmae.ucf.edu/Academics/Undergraduate/Approved%20Electives.pdf
## UCF Degree Programs

### 6. Capstone Requirements (6 hrs)
- These courses are a capstone experience to your engineering program and should be completed in your last 2 major semesters of study.

<table>
<thead>
<tr>
<th>Select 1:</th>
<th>3 hrs</th>
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<tbody>
<tr>
<td>EGN 4412C</td>
<td>Interdisciplinary Design I or 3 hrs</td>
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<tr>
<td>EML 4501C</td>
<td>Engineering Design I 3 hrs</td>
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<table>
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<th>3 hrs</th>
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</thead>
<tbody>
<tr>
<td>EGN 4413C</td>
<td>Interdisciplinary Design II or 3 hrs</td>
</tr>
<tr>
<td>EML 4502C</td>
<td>Engineering Design II 3 hrs</td>
</tr>
</tbody>
</table>

### 7. Foreign Language Requirements

#### Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

#### Graduation
- None

#### 8. Electives
- None

#### 9. Additional Requirements
- 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
- A minimum of 45 hours of extension, correspondence
- 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

### 10. Honors in Major
- None

### Related Programs
- Aerospace Engineering

### Certificates
- None

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

### Advising Notes

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

| EML 3990 | Mechanical Career and Academic Faculty Advising I | 0 hrs |
| EML 4991 | Mechanical Career and Academic Faculty Advising II | 0 hrs |

### Transfer Notes
- EGN 1006C and EGN 1007C are required courses for incoming freshmen only. The two credit hours for these courses may be substituted by an approved Mechanical Engineering technical elective for transfer students. However, students may take EGN 1007C in the Spring semester if they do not have knowledge of Mathcad or Matlab.

- Courses taken from Community Colleges do not substitute for Upper Division Courses unless part of an articulated pre-engineering degree program.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.

### Acceptable Substitutes for Transfer Courses
- None

### Plan of Study (128 hrs)

#### Freshman Year - Fall
- GEP 3 hrs
- EGN 1006C Introduction to the Engineering Profession 1 hr
- ENC 1101 Composition I 3 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs

<table>
<thead>
<tr>
<th>Select 1:</th>
<th>3 hrs</th>
</tr>
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<tbody>
<tr>
<td>CHM 2040C</td>
<td>Chemistry Fundamentals IA or 3 hrs</td>
</tr>
<tr>
<td>CHM 2045C</td>
<td>Chemistry Fundamentals 1 or 4 hrs</td>
</tr>
<tr>
<td>CHS 1440</td>
<td>Fundamentals of Chemistry for Engineers 4 hrs</td>
</tr>
</tbody>
</table>

1. Must take CHM 2041C to complete the sequence

#### Freshman Year - Spring
- GEP 3 hrs
- EGN 1007C Engineering Concepts and Methods 1 hr
- ENC 1102 Composition II 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- PHY 2048C Physics for Engineers & Scientists I 4 hrs

#### Freshman Year - Summer
- GE 6 hrs
- GEP 3 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs

#### Sophomore Year - Fall
- EGN 3310 Engineering Analysis-Statics 3 hrs
- MAP 2302 Differential Equations 3 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs

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

#### Sophomore Year - Summer
- GE 3 hrs
- GEP 3 hrs
- EGN 3365 Structure and Properties of Materials 3 hrs

#### Junior Year - Fall
- GE 3 hrs
- EML 3034C Modeling Methods in Mechanical and Aerospace Engineering 3 hrs
- EML 3303C Mechanical Engineering Measurements 3 hrs
- EML 3500 Machine Design and Analysis 3 hrs
- EML 3701 Fluid Mechanics I 3 hrs
- EML 3990 Mechanical Career and Academic Faculty Advising I 0 hrs

#### Junior Year - Spring
- Upper Division Elective 3 hrs
- EML 4142 Heat Transfer 3 hrs
- EML 4220 Vibration Analysis 3 hrs
- EML 4535C CAD/CAM 3 hrs

#### Senior Year - Fall
- Upper Division Elective 3 hrs
- EML 3262 Kinematics of Mechanisms 3 hrs
- EML 4221C Mechanical Systems Experimental Techniques 2 hrs
- EML 4312C Feedback Control 3 hrs
- EML 4991 Mechanical Career and Academic Faculty Advising II 0 hrs
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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>EGN 4412C</td>
<td>Interdisciplinary Design I or Design of Thermo-Fluid Experiment</td>
<td>2 hrs</td>
</tr>
<tr>
<td>EML 4500C</td>
<td>Engineering Design I</td>
<td>3 hrs</td>
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<td>Senior Year - Spring</td>
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<tr>
<td>Upper Division Elective</td>
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<td>3 hrs</td>
</tr>
<tr>
<td>EGM 3601L</td>
<td>Solid Mechanics Lab</td>
<td>2 hrs</td>
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<tr>
<td>EML 4304C</td>
<td>Design of Thermo-Fluid Experiment</td>
<td>2 hrs</td>
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<tr>
<td>Select 1:</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 4413C</td>
<td>Interdisciplinary Design II or Engineering Design II</td>
<td>3 hrs</td>
</tr>
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### Energy Systems Option

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 4412C</td>
<td>Interdisciplinary Design I or Engineering Design I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Senior Year - Spring</td>
<td></td>
<td>14 hrs</td>
</tr>
<tr>
<td>Upper Division Elective</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 3101</td>
<td>Thermodynamics of Mechanical Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 4221C</td>
<td>Mechanical Systems Experimental Techniques</td>
<td>2 hrs</td>
</tr>
<tr>
<td>EML 4312C</td>
<td>Feedback Control</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 4703</td>
<td>Fluid Mechanics II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 4991</td>
<td>Mechanical Career and Academic Faculty Advising II</td>
<td>0 hrs</td>
</tr>
<tr>
<td>Select 1:</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 4413C</td>
<td>Interdisciplinary Design II or Engineering Design II</td>
<td>3 hrs</td>
</tr>
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</table>

### Materials Option

<table>
<thead>
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<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>EGN 4412C</td>
<td>Interdisciplinary Design I or Engineering Design I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Senior Year - Fall</td>
<td></td>
<td>15 hrs</td>
</tr>
<tr>
<td>Upper Division Elective</td>
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<td>3 hrs</td>
</tr>
<tr>
<td>EMA 3124</td>
<td>Design and Selection of Materials</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EMA 4102</td>
<td>Thermodynamics and Kinetics of Materials</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 4312C</td>
<td>Feedback Control</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 4991</td>
<td>Mechanical Career and Academic Faculty Advising II</td>
<td>0 hrs</td>
</tr>
<tr>
<td>Select 1:</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 4412C</td>
<td>Interdisciplinary Design I or Engineering Design I</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Senior Year - Summer

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Upper Division Elective</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 4145</td>
<td>Topics in Heat Transfer</td>
<td>2 hrs</td>
</tr>
<tr>
<td>EML 4304C</td>
<td>Design of Thermo-Fluid Experiment</td>
<td>2 hrs</td>
</tr>
<tr>
<td>Select 1:</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 4413C</td>
<td>Interdisciplinary Design II or Engineering Design II</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees

- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

### 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

Ms. Dori Lyn Hitchcock, Program Director, hitchcodd@mail.ucf.edu

Phone: 407-823-5932

### Admission Requirements

- Acceptance to the university does not necessarily constitute admission to the upper division Medical Laboratory Sciences program.
- Separate application to the limited access program should be made directly to the program in the Spring of the year admission is sought. Applications will be accepted until the class is filled.
- UCF application must also be submitted prior to program application. Acceptance to UCF is necessary before acceptance to the program can occur.
- Student must complete all general education, foreign language admissions, and program prerequisites prior to the start of the program.
- This limited access program is work-intensive and courses include clinical practice in a variety of settings. Due to this, it is strongly recommended that students be at least one-year post high school prior to applying to the program. Students with concerns or questions should contact the program to schedule an appointment with an advisor.
- All applicants must have a minimum overall GPA of 2.5, and complete all program prerequisite courses with at least a grade of "C" (2.0).

### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program, Foreign Language admissions, and the Common Program Prerequisite Requirements before transferring within the Florida Public University/Community College System.
- Students should consult with a departmental advisor.
- The courses designated in sections 1 and 2 below may be 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)** (36 hrs)

   **A:** Communication Foundations (9 hrs)
   - Prefer MAC 1105 College Algebra
   - Required STA 2023 Statistical Methods I

   **B:** Cultural & Historical Foundations (9 hrs)
   - Required BSC 2010C Biology I
   - Required CHM 2045C Chemistry Fundamentals I

   **C:** Mathematical Foundations (6 hrs)
   - Required MAC 1105 College Algebra
   - Required STA 2023 Statistical Methods I

   **D:** Social Foundations (6 hrs)

   **E:** Science Foundations (8 hrs)
   - Required BSC 2010C Biology I
   - Required CHM 2045C Chemistry Fundamentals I

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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
1 MCB 3020C  General Microbiology  5 hrs
1 PCB 3703C  Human Physiology  4 hrs
STA 2023  Statistical Methods I  GEP
1 ZOO 3733C  Human Anatomy  4 hrs

Take all of the following: 4 hrs
CHM 2046C  Chemistry Fundamentals I and
GEP
CHM 2046  Chemistry Fundamentals II and
CHM 2046L  Chemistry Fundamentals Laboratory  1 hr

Take all of the following: 8 hrs
CHM 2210  Organic Chemistry I  3 hrs
CHM 2211  Organic Chemistry II  3 hrs
CHM 2211L  Organic Laboratory Techniques I  2 hrs

1 See Transfer Notes

3. Core Requirements: Basic Level (0 hrs)
- None

4. Core Requirements: Advanced Level (64 hrs)
BSC 3403C  Quantitative Biological Methods  4 hrs
CGS 1060C  Introduction to Computer Science  3 hrs
MLS 3220C  Techniques in Clinical Microscopy  3 hrs
MLS 3305  Hematology  3 hrs
MLS 3305L  Hematology Lab  1 hr
MLS 3705  Concepts in Education/Management  3 hrs
MLS 4334  Hemostasis  3 hrs
MLS 4430C  Clinical Parasitology  2 hrs
MLS 4460C  Clinical Pathogenic Microbiology  5 hrs
MLS 4505C  Immunodiagnostics  3 hrs
MLS 4550  Clinical Immunohematology  4 hrs
MLS 4625  Advanced Clinical Chemistry I  3 hrs
MLS 4625L  Advanced Clinical Chem I Lab  1 hr
MLS 4630  Advanced Clinical Chemistry II  3 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
MLS 4910  Introduction to Clinical Research  1 hr
MLS 4933  Medical Technology Seminar  3 hrs
PCB 3233  Immunology  3 hrs
PCB 3233L  Immunology Laboratory  1 hr

5. Restricted Electives (0 hrs)
- None

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- A minimum 2.5 overall GPA is required for clinical assignment.
- The degree in Medical Laboratory Sciences will be awarded upon satisfactory completion of the University's didactic component and the clinical component in affiliated hospital laboratories.

- Upon receiving the degree in Medical Laboratory Sciences, the graduate will be eligible to take a national certification examination and then qualify for State Licensure.
- Students must earn a grade of “C” (2.0) or higher in required courses with a minimum 2.5 overall GPA for graduation.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 126

Honors In Major
- None

Related Programs
- Biology
- Chemistry
- Molecular Biology and Microbiology

Certificates
- None

Related Minors
- Biology
- Chemistry
- Molecular Biology and Microbiology

Advising Notes
- None

Transfer Notes
- Students that transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

Acceptable Substitutes for Transfer Courses
- MCB 3020C  General Microbiology  5 hrs
- may be substituted with: MCB 2010C
- Human Anatomy and Physiology I and II (BSC 2093/BSC 2094)  8 hrs

Plan of Study

Freshman Year - Fall 16 hrs
CGS 1060C  Introduction to Computer Science  3 hrs
CHM 2046C  Chemistry Fundamentals I  4 hrs
ENC 1101  Composition I  3 hrs
MAC 1105  College Algebra  3 hrs
SPC 1608  Fundamentals of Oral Communication  3 hrs

Freshman Year - Spring 17 hrs
BSC 2010C  Biology I  4 hrs
CHM 2046  Chemistry Fundamentals II  3 hrs
CHM 2046L  Chemistry Fundamentals Laboratory  1 hr
ENC 1102  Composition II  3 hrs
STA 2023  Statistical Methods I  3 hrs

Select 1:  3 hrs
ANT 2000  General Anthropology or
PSY 2012  General Psychology or
SVG 2000  Introduction to Sociology  3 hrs

Sophomore Year - Fall 16 hrs
CHM 2210  Organic Chemistry I  3 hrs
ZOO 3733C  Human Anatomy  4 hrs

Select 1:  3 hrs
ECO 2013  Principles of Macroeconomics or
POS 2041  American National Government  3 hrs
Select 1:

AMH 2010  U.S. History: 1492-1877 or 3 hrs
EUH 2000  Western Civilization I or 3 hrs
HUM 2210  Humanistic Tradition I 3 hrs

Select 1:

MUL 210  Enjoyment of Music or 3 hrs
PHI 210  Introduction to Philosophy or 3 hrs
REL 2300  World Religions or 3 hrs
THE 2000  Theatre Survey 3 hrs

Take all of the following:

Sophomore Year - Spring

CHM 2211  Organic Chemistry II 3 hrs
CHM 2211L  Organic Laboratory Techniques I 2 hrs
MCB 3020C  General Microbiology 5 hrs
PCB 3703C  Human Physiology 4 hrs

Junior Year - Fall

MLS 3220C  Techniques in Clinical Microscopy 3 hrs
MLS 4430C  Clinical Parasitology 2 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

Junior Year - Spring

MLS 3305  Hematology 3 hrs
MLS 3305L  Hematology Lab 1 hr
MLS 4460C  Clinical Pathogenic Microbiology 5 hrs
MLS 4630  Advanced Clinical Chemistry II 3 hrs

Senior Year - Fall

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 Hematology 4 hrs

Senior Year - Spring

BSC 3403C  Quantitative Biological Methods 4 hrs
MLS 3705  Concepts in Education/Management 3 hrs
MLS 4505C  Immunodiagnostics 3 hrs
MLS 4910  Introduction to Clinical Research 1 hr
MLS 4933  Medical Technology Seminar 2 hrs

Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: $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.
## Literature (select one sequence)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPW 3100</td>
<td>Survey of Spanish Literature I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPW 3101</td>
<td>Survey of Spanish Literature II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>or</td>
<td>SPW 3130 Survey of Latin-American Literature I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>or</td>
<td>SPW 3131 Survey of Latin-American Literature II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>or</td>
<td>FRW 3100 Survey of French Literature I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>or</td>
<td>FRW 3101 Survey of French Literature II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>or</td>
<td>GEW 3100 Survey of German Literature I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>or</td>
<td>GEW 3101 Survey of German Literature II</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1 A native or near-native speaker must substitute an alternate upper division language course in consultation with a departmental advisor.

## Second Language (French, German, Spanish or Italian)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRE 3420</td>
<td>French Composition</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GER 3420</td>
<td>Intensive German Composition</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ITA 3420</td>
<td>Italian Composition</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPN 3420</td>
<td>Spanish Composition</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Advanced Oral Communication (select one)</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>FRE 3760</td>
<td>Advanced French Oral Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GER 3760</td>
<td>Advanced German Oral Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ITA 3760</td>
<td>Advanced Italian Oral Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPN 3760</td>
<td>Advanced Spanish Oral Communication</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

## Communication (Select One)

<table>
<thead>
<tr>
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<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRE 3420</td>
<td>French Composition</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GER 3420</td>
<td>Intensive German Composition</td>
<td>3 hrs</td>
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<tr>
<td>ITA 3420</td>
<td>Italian Composition</td>
<td>3 hrs</td>
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<tr>
<td>FRE 3760</td>
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<td>GER 3760</td>
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<td>Advanced Italian Oral Communication</td>
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</tr>
<tr>
<td>SPN 3760</td>
<td>Advanced Spanish Oral Communication</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

## Restricted Electives in the First Language

9 hrs

## Restricted Electives in the Second Language

9 hrs

## Restricted Electives in the Second Language

9 hrs

## Foreign Language Requirements

### Admissions
- Met by Graduation requirements.

### Graduation
- Met by degree program requirements (four semesters or proficiency).

## Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

## Additional Requirements
- None

## Required Minors
- None

## Departmental Exit Requirements
- 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

## University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division course work completed
- 30 of the last 39 hrs of course work must be completed in residency at UCF
- A maximum of 45 hrs 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

## Plan of Study

### Freshman Year - Fall 16 hrs
1. GEP 3 hrs
2. GEP 3 hrs
3. GEP 3 hrs
4. CPP 4 hrs
5. ENC 1101 = Composition I 3 hrs

### Freshman Year - Spring 16 hrs
1. GEP 3 hrs
2. GEP 3 hrs
3. GEP 3 hrs
4. CPP 4 hrs
5. ENC 1102 = Composition II 3 hrs

## 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

### Related Minors
- French
- German
- Italian
- Judaic Studies
- Latin American Area Studies
- Spanish

### Advising Notes
- None

### University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hrs of course work must be completed in residency at UCF
- A maximum of 45 hrs 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
### Sophomore Year - Spring
- 1 GEP 3 hrs
- 1 CPP 3 hrs
- 1 Restricted Elective 2 hrs
- 1 Restricted Elective 3 hrs
- FRE 1121C Elementary French Language and Civilization II 4 hrs

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
- 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
- 1 Core Course 3 hrs
- 1 Core Course 3 hrs
- 1 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
- 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
- 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.

### 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)

### Molecular Biology and Microbiology (B.S.)
**College of Medicine**  
**Burnett School of Biomedical Sciences**  
**Department of Molecular and Microbiology, Health and Public Affairs II, Room: 335**  
[http://www.biomed.ucf.edu](http://www.biomed.ucf.edu)  
E-mail: bcbsinfo@mail.ucf.edu  
Dr. P.E. Kolattukudy, Chair  
Phone: 407-823-5932

### Admission Requirements
- None

### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program before transferring within the Florida Public University/Community College System.
- Students should consult with a departmental advisor.

1. **UCF General Education Program (GEP)** (38 hrs)
   - Certain courses must be selected in GEP for this major, bringing the total GEP hours to more than 36.

**A: Communication Foundations**
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1603 Fundamentals of Technical Presentations 3 hrs

**B: Cultural & Historical Foundations** (9 hrs)

**C: Mathematical Foundations**

**Select 1:**
- Suggested MAC 2253 Applied Calculus I or 3 hrs
- Suggested MAC 2311 Calculus with Analytic Geometry I 4 hrs

**Select 1:**
- Suggested CGS 1060C Introduction to Computer Science or 3 hrs
- Suggested STA 2023 Statistical Methods I 3 hrs

**D: Social Foundations** (6 hrs)

**E: Science Foundations** (8 hrs)

- Required BSC 2010C Biology I 4 hrs
- Required CHM 2045C Chemistry Fundamentals I 4 hrs

2. **Common Program Prerequisites (CPP)** (16 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

**BSC 2010C** Biology I GEP
1. **BSC 2011C** Biology II GEP
1. **CHM 2045C** Chemistry Fundamentals I GEP
**CHM 2046** Chemistry Fundamentals II 3 hrs
**CHM 2046L** Chemistry Fundamentals Laboratory 1 hr
**MAC 2311** Calculus with Analytic Geometry I GEP

**Select one of the following sequences of courses:**
- PHY 2053C College Physics I and 4 hrs
- PHY 2054C College Physics II 4 hrs
- or
- PHY 2048C Physics for Engineers & Scientists I and 4 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs

1 See Transfer Notes for possible substitutions.

3. **Core Requirements: Basic Level** (8 hrs)

### Math, Statistics, Computer

**Select 1:**
- MAC 2253 Applied Calculus I or 4 hrs
- MAC 2311 Calculus with Analytic Geometry I GEP
UCF Degree Programs

Select 1:
- CGS 1060C Introduction to Computer Science or
- STA 2023 Statistical Methods I

Chemistry

Take all of the following:

CHM 2210 Organic Chemistry I and 3 hrs
CHM 2211 Organic Chemistry II and 3 hrs
CHM 2211L Organic Laboratory Techniques I 2 hrs

4. Core Requirements: Advanced Level (25 hrs)

Life Sciences
- BSC 3403C Quantitative Biological Methods 4 hrs
- MCB 3020C General Microbiology 5 hrs
- MCB 4414 Microbial Metabolism 3 hrs
- PCB 2333L Immunology Laboratory 1 hr
- PCB 3522 Molecular Biology I 3 hrs
- PCB 4239 Molecular Immunology 3 hrs
- PCB 4524 Molecular Biology II 3 hrs

Chemistry
- BCH 4053 Biochemistry I 3 hrs

5. Restricted Electives (0 hrs)

(7 courses minimum)

- (Seven courses from the list below, no more than two
  may be taken outside the Molecular Biology and Microbiology
  Department and at least two must be a laboratory course. No
  more than two may be MLS courses. Enrollment in some MLS
  courses is restricted. Check with advisor before enrolling. Only
  three hours of Honors thesis will count towards restrictive elec-
  tive requirement.)

- 1 BCH 4054 Biochemistry II 3 hrs
- 1 BCH 4103L Biochemical Methods 2 hrs
- 1 BOT 4434C General Microbiology 4 hrs
- 1 MCB 3202 Principles of Infectious Disease 3 hrs
- 1 MCB 3203 Pathogenic Microbiology 3 hrs
- 1 MCB 3203L Pathogenic Microbiology 1 hr
- 1 MCB 3404C 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 4740H Honors Undergraduate Thesis II 3 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 4605C 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 4028M Molecular and Cellular Pharmacology 3 hrs
- 1 PCB 4174 Foundation of Bio-Imaging Science 3 hrs
- 1 PCB 4235 Cancer Biology 3 hrs
- 1 PCB 4251 Tissue Engineering 3 hrs
- 1 PCB 4264 Stem Cell Biology 3 hrs
- 1 PCB 4614C Genetics II 3 hrs
- 1 PCB 4529 Experimental Molecular Biology 3 hrs
- 1 PCB 4805 Endocrinology 3 hrs
- 1 PCB 5236 Cancer Biology 3 hrs
- 1 PCB 5238 Immunology 3 hrs
- 1 PCB 5275 Signal Transduction Mechanisms 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 4603C Embryology/Development 5 hrs

- 1 ZOO 4605 Human Clinical Embryology and Congenital Malformation 3 hrs
- 1 ZOO 4704C Clinical Neuroanatomy and Neuroscience 4 hrs
- ZOO 4747C Clinical Neuroscience 4 hrs
- ZOO 4753C Vertebrate Histology 4 hrs
- ZOO 4756C Essentials of Anatomy 4 hrs

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 proficien-
  cy exam) prior to graduation.

Graduation

- None

8. Electives

- Variable. Students are encouraged to participate in under-
  graduate research if interested in pursuing graduate or profes-
  sional education.

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- Students must complete all coursework in the baccalaure-
  ate 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 depart-
  ment of the major.
- Students will be required to pass a comprehensive test dur-
  ing their last semester.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in
  residency at UCF
- A maximum of 45 hours of extension, correspondence,
  CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon
  Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

- 120

Honors In Major

- Application and admission through the Department and the
  Burnett Honors College.
- Fulfill University requirements for Honors in the Major
  and maintain a 3.2 UCF GPA; 3.5 in the major; 3.2 cumulative
  average for graded upper division courses regardless of the institu-
  tion.
- Complete the following course with a grade of B or better (4
  credits):
  BSC 3403H Quantitative Biological Methods-Honors 4 hrs
- Complete the following with a grade of B or better and suc-
  cessfully 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
Acceptable Substitutes for Transfer Courses

- BSC 2011C Biology II 4 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs

Plan of Study

Freshman Year - Fall
- CHM 2045C Chemistry Fundamentals I 4 hrs
- ENC 1101 Composition I 3 hrs
- MAC 1105 College Algebra 3 hrs

Select 1:
- ANT 2000 General Anthropology or 3 hrs
- HUM 2210 Humanistic Tradition I 3 hrs

Freshman Year - Spring
- BSC 2011C Biology II 4 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- ENC 1102 Composition II 3 hrs
- MAC 1114 College Trigonometry 3 hrs
- SLS 2311C Overview of Select Medical Careers 2 hrs

Sophomore Year - Fall
- CHM 2210 Organic Chemistry I 3 hrs
- MCB 3020C General Microbiology 5 hrs

Select 1:
- MAC 2253 Applied Calculus I or 3 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs

Select 1:
- AMH 2010 U.S. History: 1492-1877 or 3 hrs
- EUH 2000 Western Civilization I or 3 hrs
- HUM 2210 Humanistic Tradition I or 3 hrs
- WOH 2012 World Civilization I 3 hrs

Sophomore Year - Spring
- BSC 3403C Quantitative Biological Methods 4 hrs
- CHM 2211 Organic Chemistry II 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs

Select 1:
- CGS 1060C Introduction to Computer Science or 3 hrs
- STA 2023 Statistical Methods I 3 hrs

Select 1:
- AMH 2020 U.S. History: 1877-Present or 3 hrs
- EUH 2001 Western Civilization II or 3 hrs
- HUM 2230 Humanistic Tradition II or 3 hrs
- WOH 2022 World Civilization II 3 hrs

Junior Year - Fall
- 1 BSC 2011C Biology II 4 hrs
- PCB 3522 Molecular Biology I 3 hrs

Select 1:
- 2 PHY 2048C Physics for Engineers & Scientists I or 4 hrs
- PHY 2053C College Physics 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

Senior Year - Fall
- Restricted Elective 4 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- BCH 4053 Biochemistry I 3 hrs

Senior Year - Spring
- Restricted Elective 4 hrs
- Restricted Elective 4 hrs
- Restricted Elective 4 hrs
- MCB 4414 Microbial Metabolism 3 hrs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: $39 per term
- Full-Time Student: $78 per term

Molecular Biology and Microbiology - Preprofessional Concentration (B.S.)

College of Medicine

Burnett School of Biomedical Sciences

Department of Molecular and Microbiology, Health and Public Affairs II, Room: 335

http://www.biomed.ucf.edu
E-mail: bcbsinfo@mail.ucf.edu

Dr. P.E. Kolattukudy, Chair
Phone: 407-823-5932

Students seeking admission to professional schools (medical, dental, optometry, veterinary, podiatry, and pharmacy) will meet all the admission requirements for those programs while obtaining a Molecular Biology and Microbiology degree.

Admission Requirements

- None
UCF Degree Programs

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program before transferring within the Florida Public University/Community College System.
- Students should consult with a Departmental advisor and the Pre-health Advisement Office in HPA I 124.

1. UCF General Education Program (GEP) (36 hrs)
- Note: Certain courses must be selected in GEP for this major, bringing the total GEP hours to more than 36.

A: Communication Foundations (9 hrs)
- Required 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)
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

C: Mathematical Foundations (6 hrs)
- Required CGS 1060C Introduction to Computer Science or STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)
- Required MAC 2311 Calculus with Analytic Geometry I GEP

2. Common Program Prerequisites (CPP) (16 hrs)
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

BSC 2010C Biology I GEP
1 CHM 2045C Chemistry Fundamentals I GEP
CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory 1 hr
MAC 2311 Calculus with Analytic Geometry I GEP

Select one of the following sequences of courses:
- PHY 2053C College Physics I and PHY 2054C College Physics II 4 hrs
- or PHY 2048C Physics for Engineers & Scientists I and PHY 2049C Physics for Engineers and Scientists II 4 hrs

1 See Transfer Notes for possible substitutions

3. Core Requirements: Basic Level (10 hrs)

Life Sciences: Basic
SLS 2311C Overview of Select Medical Careers 2 hrs

Math, Statistics, Computers

Select 1: 4 hrs
- MAC 2253 Applied Calculus I or
- MAC 2311 Calculus with Analytic Geometry I GEP

Select 1: 3 hrs
- CGS 1060C Introduction to Computer Science or STA 2023 Statistical Methods I GEP

Chemistry

Take all of the following: 8 hrs
- CHM 2210 Organic Chemistry I and 3 hrs
- CHM 2211 Organic Chemistry II and 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs

4. Core Requirements: Advanced Level (25 hrs)

Life Sciences: Advanced
BSC 3403C Quantitative Biological Methods 4 hrs
MCB 3020C General Microbiology 5 hrs
MCB 4414 Microbial Metabolism 3 hrs
PCB 3233L Immunology Laboratory 1 hr
PCB 3252 Molecular Biology I 3 hrs
PCB 4239 Molecular Immunology 3 hrs
PCB 4524 Molecular Biology II 3 hrs

Chemistry
BCH 4053 Biochemistry I 3 hrs

5. Restricted Electives (0 hrs)

Seven courses minimum
- Seven courses from below, of which no more than two may be taken outside the Molecular Biology and Microbiology Department and at least two must be a laboratory course. No more than two may be MLS courses. Enrollment in some MLS courses is restricted. Check with advisor before enrolling. Only three hours of Honors thesis will count towards 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 3202 Principles of Infectious Disease 3 hrs
- MCB 3203 Pathogenic Microbiology 3 hrs
- MCB 3203L Pathogenic Microbiology 1 hr
- MCB 3404 Bacterial Genetics and Physiology 3 hrs
- MCB 4203 Infectious Processes 3 hrs
- MCB 4276 Epidemiology of Infectious Diseases 3 hrs
- MCB 4312 Molecular Biotechnology 3 hrs
- MCB 4503C Virology 3 hrs
- MCB 4970H Honors Undergraduate Thesis II 3 hrs
- MCB 5225 Molecular Biology of Disease 3 hrs
- MLS 3305 Hematology 3 hrs
- MLS 4334 Hemostasis 3 hrs
- MLS 4430C Clinical Parasitology 2 hrs
- MLS 4505C Immunodiagnostics 3 hrs
- PCB 3063 Genetics 3 hrs
- PCB 3703C Human Physiology 4 hrs
- PCB 4028 Molecular and Cellular Pharmacology 3 hrs
- PCB 4235 Cancer Biology 3 hrs
- PCB 4514 Genetics II 3 hrs
- PCB 4805 Endocrinology 3 hrs
- PCB 5238 Immunobiology 3 hrs
- ZOO 3701C Human Gross Anatomy & Dissection 3 hrs

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- Variable

9. Additional Requirements
- None

10. Required Minors
- None
11. Departmental Exit Requirements

- Student must complete all coursework in the baccalaureate curriculum as shown, and earn a GPA of at least 2.0 for all coursework in the Prerequisites, Core and Restricted Electives.
- Independent study, directed research, or similar credit may not be used as a Restricted Elective.
- Minimum of 20 hours must be taken at UCF in the department of the major.
- Students will be required to pass a comprehensive test during their last semester.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

120

Honors In Major

- Application and admission through the Department and the Burnett Honors College.
- Fulfill University requirements for Honors in the Major and maintain a 3.2 UCF GPA, 3.5 in the major; 3.2 cumulative average for graded upper division courses regardless of the institution.
- Complete the following with a grade of B or better (4 credits)
  - BSC 3403C Quantitative Biological Methods-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

Certificates

- None

Related Minors

- Biology
- Chemistry

Advising Notes

- None

Transfer Notes

- Students who begin a two semester sequence course (e.g. General Chemistry) at a community college are strongly encouraged to complete the sequence before transferring. If it will not be possible to complete the sequence at the community college, the student should postpone beginning the course until enrolling at UCF. Students may elect to take Human Anatomy (ZOO 3733C) and Human Physiology (PCB 3703C) at UCF in order to meet the University’s requirement that students complete 48 semester hours of upper division (3000/4000 level) credit. Students meeting the Human Anatomy and Physiology I & II requirement at the community college (lower division) must take an additional 8 (eight) hours of upper division coursework at UCF.

Acceptable Substitutes for Transfer Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 2011C Biology II</td>
<td>4 hrs</td>
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<tr>
<td>CHM 2045C Chemistry Fundamentals I</td>
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</tr>
<tr>
<td>CHM 2045C Chemistry Fundamentals I</td>
<td>4 hrs</td>
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</table>

Plan of Study

**Freshman Year - Fall**
- CHM 2045C Chemistry Fundamentals I 4 hrs
- ENC 1101 Composition I 3 hrs
- MAC 1105 College Algebra 3 hrs

**Select 1:**
- ANT 2000 General Anthropology or 3 hrs
- PSY 2012 General Psychology or 3 hrs
- SYG 2000 Introduction to Sociology 3 hrs

**Freshman Year - Spring**
- BSC 2010G Biology I 4 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- ENC 1102 Composition II 3 hrs
- MAC 1114 College Trigonometry 3 hrs

**Sophomore Year - Fall**
- CHM 2210 Organic Chemistry I 3 hrs
- MCB 3020C General Microbiology 5 hrs

**Select 1:**
- MAC 2253 Applied Calculus I or 3 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs

**Select 1:**
- AMH 2010 U.S. History: 1492-1877 or 3 hrs
- EUH 2000 Western Civilization I or 3 hrs
- HUM 2210 Humanistic Tradition I or 3 hrs
- WOH 2012 World Civilization I 3 hrs

**Sophomore Year - Spring**
- BSC 3403C Quantitative Biological Methods 4 hrs
- CHM 2211 Organic Chemistry II 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs

**Select 1:**
- CGS 1060C Introduction to Computer Science or 3 hrs
- STA 2023 Statistical Methods I 3 hrs

**Select 1:**
- AMH 2020 U.S. History: 1877-Present or 3 hrs
- EUH 2001 Western Civilization II or 3 hrs
- HUM 2230 Humanistic Tradition II or 3 hrs
- WOH 2022 World Civilization II 3 hrs

**Junior Year - Fall**
- BSC 2011C Biology II 4 hrs
- PCB 3522 Molecular Biology I 3 hrs

**Select 1:**
- PHY 2048C Physics for Engineers & Scientists I or 4 hrs
- PHY 2053C College Physics 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**
- Restricted Elective 2 hrs
- PCB 3233 Immunology Laboratory 1 hr
- PCB 4239 Molecular Immunology 3 hrs
- PCB 4524 Molecular Biology II 3 hrs
- SPC 1603 Fundamentals of Technical Presentations 3 hrs

**Select 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**
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- BCH 4053 Biochemistry I 3 hrs
## UCF Degree Programs

### Senior Year - Spring  
<table>
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<tr>
<th>Course Code</th>
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<tr>
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<td></td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>4 hrs</td>
<td></td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>MCB 4414 Microbial Metabolism</td>
<td>3 hrs</td>
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</tr>
</tbody>
</table>

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees
- Part-Time Student: $39 per term
- Full-Time Student: $78 per term

### Molecular Biology and Microbiology- UCF/USF

### Accelerated Medical School (B.S.)

**NOTE:** For detailed information, see description of this program in the Accelerated Undergraduate-Graduate Programs section.

### Music (B.A.)

**College of Arts and Humanities**

**Department of Music, Colburn Hall, Room: 205A**


**Kirk Gay, kgay@mail.ucf.edu, 407-823-5968**

### Admission Requirements
- Each student must either complete an audition that demonstrates satisfactory proficiency or pass an interview with the Academic Advisor.
- The audition will serve as a placement examination for accepted candidates.

### Degree Requirements
- Prior to attending the first music class as a music major at UCF, all students must take a keyboard placement examination to determine the appropriate level of class piano. Go to [http://www.music.ucf.edu/students](http://www.music.ucf.edu/students) to see the class piano requirements.
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement; at least 25 hours must be taken from the UCF Music Department.
- Each student must complete a faculty approved capstone project.
- Co-op or internship credit cannot be used in this major.
- Students should consult with a departmental advisor for course selections.
- Courses designated in 1 (General Education Program) are usually spread over the full four years.
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

### 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)
- Prefer MGF 1106 Finite Mathematics 3 hrs
- Prefer STA 2023C 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)
- 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  
(18 hrs)
- Choose from any MUX 3XXX or 4XXX (No more than 6 of these credits can be taken as MUN courses.)
- Choose one MUT 3XXX or MUX 4XXX course 3 hrs

#### Restricted Electives-Non-Music  
(15 hrs)
- Select, with the approval of the Academic Advisor, primarily from upper-level courses that form a coherent progression within a single or two related departments. The completion of a minor is strongly encouraged.

### 6. Capstone Requirements  

- MUS 4900 Music BA Capstone Project 3 hrs

### 7. Foreign Language Requirements  

### Admissions
- Two years of foreign language in high school or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.

### Graduation
- Proficiency equivalent to two semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

### 8. Electives
- Select primarily from upper-level courses

### 9. Additional Requirements
- None

### 10. Required Minors
- None

### 11. Departmental Exit Requirements
- Earn a grade of “C” (2.0) or better in each Music course

### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)
Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Music Education
- Theatre
- Theatre - Musical Theatre Track

Certificates
- None

Related Minors
- Music
- Theatre

Advising Notes
- None

Transfer Notes
- 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
- Example given shows a student majoring in B.A. in Music. See program description for all requirements. Consult the program advisor for alternate, new, or more appropriate selections.

Freshman Year - Fall 17 hrs
1 ENC 1101 Composition I 3 hrs
MUL 2014 Introduction to Music History and Literature 3 hrs
MUS 1010 Music Forum 0 hrs
MUT 1121 Music Theory and Musicianship I 4 hrs
MVK 1111 Class Piano I 1 hr
MUN XXXX Ensemble 1 hr
MXV 141X Performance I 2 hrs
GEP E.I. Science Foundation 3 hrs
1 (GEP A.1.)

Freshman Year - Spring 14 hrs
ENC 1102 Composition II 3 hrs
MUS 1010 Music Forum 0 hrs
MUS 2360C Introduction to Music Technology 3 hrs
MUT 1122 Music Theory and Musicianship II 4 hrs
MVK 1112 Class Piano II 1 hr
MUN XXXX Ensemble 1 hr
MXV 141X Performance I 2 hrs

Sophomore Year - Fall 16 hrs
MUS 1010 Music Forum 0 hrs
MUT 2126 Music Theory and Musicianship III 4 hrs
MVK 2121 Class Piano III 1 hr
STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
MUN XXXX Ensemble 1 hr
XXX 1120 Foreign Language 4 hrs
1 (GEP A.3.)

Sophomore Year - Spring 16 hrs
MGF 1106 Finite Mathematics 3 hrs
MUS 1010 Music Forum 0 hrs
MUT 2127 Music Theory and Musicianship IV 4 hrs
MVK 2122 Class Piano IV 1 hr
MUN XXXX Ensemble 1 hr
GEP B.1. Cultural & Historical Foundation 3 hrs
XXX 1121 Foreign Language 4 hrs
1 (GEP A.3.)

Junior Year - Fall 15 hrs
MUH 3211 Music History and Literature I 3 hrs
GEP B.2. Cultural & Historical Foundation 3 hrs
MUT 3/4XXX 3 hrs
MVX 3/4XXX Music Restricted Elective 3 hrs
XXX 3/4XXX Non-Music Restricted Elective 3 hrs

Junior Year - Spring 15 hrs
MUH 3212 Music History and Literature II 3 hrs
Elective 3 hrs
MVX 3/4XXX Music Restricted Elective 3 hrs
MVX 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
MVX 3/4XXX Music Restricted Elective 3 hrs
GEP E.2. Science Foundation 3 hrs
XXX 3/4XXX Non-Music Restricted Elective 3 hrs

Senior Year - Spring 12 hrs
MUS 4900 Music BA Capstone Project 3 hrs
GEP D.2. Social Foundation 3 hrs
XXX 3/4XXX Non-Music Restricted Elective 3 hrs
XXX 3/4XXX Non-Music Restricted Elective 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

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

Music - Jazz Studies Track (B.M.)

College of Arts and Humanities
Department of Music, Colbourn Hall, Room: 205
http://www.music.ucf.edu
E-mail: musicaud@mail.ucf.edu
J. Rupert, jrupert@mail.ucf.edu, 407-823-5411
Kirk Gay, kgay@mail.ucf.edu, 407-823-5968

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
  - Completion of MUS 2360C
  - Completion of MUT 2127, Music Theory and Musicianship IV
  - Completion of Class Piano IV
  - Completion of Jazz Theory I & II
  - Overall GPA of at least 2.5, and a GPA for all music courses of at least 3.0
- This review is a pre-requisite for Performance level III.

Degree Requirements
- Prior to attending the first class as a music major at UCF, all students must take a keyboard placement examination to determine the appropriate level of class piano. Go to http://music.ucf.edu/ to see the class piano requirements.
- Students who change degree programs and select this major must adopt the most current catalog.
- At least 65 hours of credit must be earned in music courses.
- Departmental Residency Requirement; at least 30 hours must be taken from the UCF Music department.
- Performance students must present two faculty-approved public recitals.
## UCF Degree Programs

- Students should consult with a departmental advisor for course selection.
- Courses designated in 1 (General Education Program) are usually completed throughout four years of study.

### 1. UCF General Education Program (GEP) (36 hrs)
- See General Education program for detailed information

<table>
<thead>
<tr>
<th>A: Communication Foundations (9 hrs)</th>
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<tbody>
<tr>
<td>Preferred SPC 1608 Fundamentals of Oral Communication 3 hrs</td>
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</table>

<table>
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<tr>
<th>Take all of the following: 6 hrs</th>
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</thead>
<tbody>
<tr>
<td>Required ENC 1101 Composition I and 3 hrs</td>
</tr>
<tr>
<td>Required ENC 1102 Composition II 3 hrs</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>B: Cultural &amp; Historical Foundations (9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required MUL 2016 Evolution of Jazz 3 hrs</td>
</tr>
<tr>
<td>Select one course from 1.B.1 list 3 hrs</td>
</tr>
<tr>
<td>Select one course from 1.B.1 list or 1.B.2 list 3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>C: Mathematical Foundations (6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Prefer MGF 1106 Finite Mathematics 3 hrs</td>
</tr>
<tr>
<td>Preferred STA 1060C Basic Statistics Using Microsoft Excel 3 hrs</td>
</tr>
</tbody>
</table>

1 (may substitute a higher level math)

### 2. Common Program Prerequisites (CPP) (24 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

#### 1. UCF General Education Program
- MUN 3713 Jazz Lab 1 hr
- MUN 1121 Music Theory and Musicianship I 4 hrs
- MUN 1122 Music Theory and Musicianship II 4 hrs
- MUN 2126 Music Theory and Musicianship III 4 hrs
- MUN 2127 Music Theory and Musicianship IV 4 hrs
- MVK 1111 Class Piano I 1 hr
- MVK 1112 Class Piano II 1 hr
- MVK 2121 Class Piano III 1 hr
- MVK 2122 Class Piano IV 1 hr

1 Four semesters for total 4 hrs

#### 3. Core Requirements: Basic Level (6 hrs)
- MUL 2014 Introduction to Music History and Literature 3 hrs
- MUL 2016 Evolution of Jazz GEP
- MUS 1010 Music Forum 0 hrs
- MUS 2360C Introduction to Music Technology 3 hrs

1 Eight semesters

#### 4. Core Requirements: Advanced Level (27 hrs)
- MUH 4814 Jazz Styles and Analysis 3 hrs
- MUS 3953 Recital Performance I 0 hrs
- MUS 4320 Music Business and Industry 3 hrs
- MUS 4954 Recital Performance II 0 hrs
- MUT 3170 Jazz Theory I 3 hrs
- MUT 3171 Jazz Theory II 3 hrs
- 1 MUT 3923 Jazz Workshop 3 hrs

Select 1:
- MUH 3211 Music History and Literature I or 3 hrs
- MUH 3212 Music History and Literature II 3 hrs

1 Four semesters for total 12 hrs

### Specialty Requirements (Choose one): 27 hrs
- All courses are taken for two semesters each except restricted elective courses

#### Trumpet 15 hrs
- MVB 1411 Trumpet I and 2 hrs
- MVB 2421 Trumpet II and 2 hrs
- MVB 3431 Trumpet III and 2 hrs
- MVB 4441 Trumpet IV and 4 hrs
- Restricted Electives 5 hrs

#### Saxophone 15 hrs
- MVV 1415 Saxophone I and 2 hrs
- MVV 2425 Saxophone II and 2 hrs
- MVV 3435 Saxophone III and 2 hrs
- MVV 4445 Saxophone IV and 4 hrs
- Restricted Electives 5 hrs

#### Jazz Piano 15 hrs
- MVJ 1010 Jazz Piano I and 2 hrs
- MVJ 2220 Jazz Piano II and 2 hrs
- MVJ 3230 Jazz Piano III and 3 hrs
- MVJ 4240 Jazz Piano IV and 4 hrs
- MVK 1211 Secondary Piano and 1 hr
- Restricted Electives 3 hrs

#### Jazz Bass 15 hrs
- MVJ 1214 Jazz Bass I and 2 hrs
- MVJ 2224 Jazz Bass II and 2 hrs
- MVJ 3234 Jazz Bass III and 3 hrs
- MVJ 4244 Jazz Bass IV and 4 hrs
- MVV 1214 Secondary Bass and 1 hr
- Restricted Electives 3 hrs

#### Jazz Guitar 15 hrs
- 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
- MVS 1216 Secondary Guitar and 1 hr
- Restricted Electives 3 hrs

#### Jazz Drum Set 15 hrs
- MVJ 1219 Jazz Drum Set I and 2 hrs
- MVJ 2229 Jazz Drum Set II and 2 hrs
- MVJ 3339 Jazz Drum Set III and 3 hrs
- MVJ 4349 Jazz Drum Set IV and 4 hrs
- MVP 1211 Secondary Percussion and 1 hr
- Restricted Electives 3 hrs

#### 5. Restricted Electives (0 hrs)
- Any secondary performance course not in area of major instrument or
- Any MUC, MUE, MUG, MUH, MUL, MUM, MUN, MUO, MUS, MUT, MVX courses numbered 3000 or higher.

#### 6. Capstone Requirements
- None

#### 7. Foreign Language Requirements
- Admissions
- Two years of foreign language in high school or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.

#### Graduation
- None

#### 8. Electives
- Select primarily from upper level courses. May be outside of the department.

#### 9. Additional Requirements
- None

#### 10. Required Minors
- None
11. Departmental Exit Requirements
- Earn a grade of "C" (2.0) or better in each Music course
- Computer Competency met by the following course, or departmental examination:
  MUS 2360C Introduction to Music Technology 3 hrs

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors in Major
- None

Related Programs
- Music
- Music Education
- Theatre

Certificates
- None

Related Minors
- Digital Media
- Music
- Theatre

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- Program A: Jazz Trumpet, Trombone, Saxophone
- Program B: Jazz Piano, Guitar, Bass, Drum Set

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- MUL 2014 Introduction to Music History and Literature 3 hrs
- MUN 3713 Jazz Lab 1 hr
- MUS 1010 Music Forum 0 hrs
- MUT 1121 Music Theory and Musicianship I 4 hrs
- MVK 1111 Class Piano I 1 hr
- MXV 141X Performance I 2 hrs

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- MUL 2016 Evolution of Jazz 3 hrs
- MUN 3713 Jazz Lab 1 hr
- MUS 1010 Music Forum 0 hrs
- MUT 1122 Music Theory and Musicianship II 4 hrs
- MVK 1112 Class Piano II 1 hr
- MXV 141X Performance I 2 hrs
- Science Foundation 3 hrs

Sophomore Year - Fall
- MUN 3713 Jazz Lab 1 hr
- MUS 1010 Music Forum 0 hrs
- MUS 2360C Introduction to Music Technology 3 hrs
- MUT 2126 Music Theory and Musicianship III 4 hrs
- MUT 3170 Jazz Theory I 3 hrs
- MVK 2121 Class Piano III 1 hr
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- MXV 242X Performance II 2 hrs

Sophomore Year - Spring
- MUN 3713 Jazz Lab 1 hr
- MUS 1010 Music Forum 0 hrs
- MUS 2127 Music Theory and Musicianship IV 4 hrs
- MUT 3171 Jazz Theory II 3 hrs
- MVK 2122 Class Piano IV 1 hr
- Cultural & Historical Foundation 3 hrs

Junior Year - Fall
- MGF 1106 Finite Mathematics 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUT 3923 Jazz Workshop 3 hrs
- Cultural & Historical Foundation 3 hrs
- MVX 343X Performance III 3 hrs
- MUX 3/4XXX Restricted Elective 3 hrs
- MVX 3XXX Restricted Elective 1 hr

Junior Year - Spring
- MUN 3211 Music History and Literature I 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUT 3923 Jazz Workshop 3 hrs
- Social Foundation 3 hrs
- MVX 444X Performance IV 4 hrs
- Science Foundation 3 hrs

Senior Year - Fall
- MUN 4814 Jazz Styles and Analysis 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUT 3923 Jazz Workshop 3 hrs
- Social Foundation 3 hrs
- MVX 444X Performance IV 4 hrs
- Social Foundation 3 hrs

Senior Year - Spring
- MUS 4954 Music Business and Industry 3 hrs
- MUS 3923 Jazz Workshop 3 hrs
- Social Foundation 3 hrs
- MVX 3XXX Restricted Elective 1 hr

Freshman Year - Fall
- ENC 1102 Composition II 3 hrs
- MUL 2016 Evolution of Jazz 3 hrs
- MUN 3713 Jazz Lab 1 hr
- MUS 1010 Music Forum 0 hrs
- MUT 1122 Music Theory and Musicianship I 4 hrs
- MVK 1111 Class Piano I 1 hr
- MVX 1XXX Performance I 2 hrs
- MVX 121X Secondary Performance 1 hr

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- MUL 2016 Evolution of Jazz 3 hrs
- MUN 3713 Jazz Lab 1 hr
- MUS 1010 Music Forum 0 hrs
- MUT 1122 Music Theory and Musicianship II 4 hrs
- MVK 1112 Class Piano II 1 hr
- MVX 1XXX Performance I 2 hrs
- MVX 121X Secondary Performance 1 hr

Sophomore Year - Fall
- MGF 1106 Finite Mathematics 3 hrs
- MUN 3713 Jazz Lab 1 hr
- MUS 1010 Music Forum 0 hrs
- MUS 2126 Music Theory and Musicianship III 4 hrs
- MUT 3170 Jazz Theory I 3 hrs
- MVK 2121 Class Piano III 1 hr
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- MVX 2XXX Performance II 2 hrs

Sophomore Year - Spring
- MUN 3713 Jazz Lab 1 hr
- MUS 1010 Music Forum 0 hrs
- MUS 2127 Music Theory and Musicianship IV 4 hrs
- MUT 3171 Jazz Theory II 3 hrs
- MVK 2122 Class Piano IV 1 hr
- MVX 2XXX Performance II 2 hrs
- Cultural & Historical Foundation 3 hrs

Program A: Jazz Trumpet, Trombone, Saxophone

Program B: Jazz Piano, Guitar, Bass, Drum Set
### UCF Degree Programs

#### Junior Year - Fall
- **MUS 1010** Music Forum: 0 hrs
- **MUT 3923** Jazz Workshop: 3 hrs
- Cultural & Historical Foundation: 3 hrs
- **MVX 3XXX** Performance III: 3 hrs
- **MUX 3/4XXX** Restricted Electives: 3 hrs
- **MUX 121X** Secondary Performance: 1 hr

#### Junior Year - Spring
- **MUH 3211** Music History and Literature I: 3 hrs
- **MUS 1010** Music Forum: 0 hrs
- **MUS 3953** Recital Performance I: 3 hrs
- **MUT 3923** Jazz Workshop: 3 hrs
- **STA 1060C** Basic Statistics Using Microsoft Excel: 3 hrs
- **MVX 3XXX Performance III**: 3 hrs
- Science Foundation: 3 hrs

#### Senior Year - Fall
- **MUH 4814** Jazz Styles and Analysis: 3 hrs
- **MUS 1010** Music Forum: 0 hrs
- **MUT 3923** Jazz Workshop: 3 hrs
- Social Foundation: 3 hrs
- **MVX 4XXX Performance IV**: 4 hrs
- Science Foundation: 3 hrs

#### Senior Year - Spring
- **MUS 1010** Music Forum: 0 hrs
- **MUS 4320** Music Business and Industry: 3 hrs
- **MUS 4953** Recital Performance I: 0 hrs
- **MVX 4XXX Performance III**: 4 hrs
- **GEP D.2 Social Foundation**: 3 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: $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
- Kirk Gay, kgay@mail.ucf.edu, 407-823-5968

#### Admission Requirements

**Audition Requirements for Admission**
- Acceptance into the Department of Music is conditional upon completion of a successful audition.
- Go to [http://www.music.ucf.edu/admissionsauditions.php](http://www.music.ucf.edu/admissionsauditions.php) to learn more about specific audition requirements and recommended repertoire for each instrument and voice.
- The audition will serve as a placement examination for accepted candidates

**Professional Sequence Entrance Review**
- Prospective composition students must audition for and be accepted for the BA in Music, the BME degree or the Bachelor of Music in Performance or Jazz Studies for their first two years of study. Students will normally be considered for acceptance into the Bachelor of Music in Composition in the fourth semester of study at UCF. Students will be accepted based on the Professional Sequence Entrance Review.
- Students will be required to pass this evaluation before entering Level III Composition. This review will include:
  - Approval of composition portfolio
  - Completion of Composition I and II
  - Completion of Performance I and II
  - Completion of MUT 2127, Music Theory and Musicianship IV
  - Completion of Class Piano IV

**Degree Requirements**
- Students who change degree programs and select this major must adopt the most current catalog.
- At least 65 hours of credit must be earned in music courses.
- Departmental Residency Requirement: at least 30 hours must be taken from the UCF Music department.
- Composition students must present one faculty-approved public recital.
- Students should consult with a departmental advisor for course selection.
- Courses designated in 1 (General Education Program) are usually completed throughout four years of study.

1. **UCF General Education Program (GEP) (36 hrs)**
   - (see General Education program for detailed information)
   - **A: Communication Foundations (9 hrs)**
     - Required ENC 1101 Composition I: 3 hrs
     - Required ENC 1102 Composition II: 3 hrs
     - Prefer SPC 1608 Fundamentals of Oral Communication: 3 hrs
   - **B: Cultural & Historical Foundations (9 hrs)**
     - Required MUH 3211 Music History and Literature I: 3 hrs
     - Select one course from 1.B.1 list: 3 hrs
     - Select one course from 1.B.2 list: 3 hrs
   - **C: Mathematical Foundations (6 hrs)**
     - MGF 1106 Finite Mathematics: 3 hrs
     - Prefer STA 1060C Basic Statistics Using Microsoft Excel: 3 hrs
     - (may substitute a higher level math)
   - **D: Social Foundations (6 hrs)**
   - **E: Science Foundations (6 hrs)**

2. **Common Program Prerequisites (CPP) (32 hrs)**
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   - **MUT 1121** Music Theory and Musicianship I: 4 hrs
   - **MUT 1122** Music Theory and Musicianship II: 4 hrs
   - **MUT 2126** Music Theory and Musicianship III: 4 hrs
   - **MUT 2127** Music Theory and Musicianship IV: 4 hrs
   - **MVX 1111** Class Piano I: 1 hr
   - **MVX 1112** Class Piano II: 1 hr
   - **MVX 2121** Class Piano III: 1 hr
   - **MVX 2122** Class Piano IV: 1 hr
   - **MUN XXXX** Major Ensemble (four semesters) Piano students: 4 hrs
     - take MUN 3453; guitar students take MUN 3483
     - **MVX 141X** Performance I (two semesters): 4 hrs
     - **MVX 242X** Performance II (two semesters): 4 hrs

3. **Core Requirements: Basic Level (20 hrs)**
   - **MUC 1101C** Composition I: 2 hrs
   - **MUC 2104C** Composition II: 2 hrs
   - **MUG 3104** Basic Conducting: 2 hrs
   - **MUK 3211** Music History and Literature I: 3 hrs
   - **MUK 3212** Music History and Literature II: GEP
   - **MUL 2014** Introduction to Music History and Literature: 3 hrs
   - **MUS 1010** Music Forum: 0 hrs
   - **MUS 2360C** Introduction to Music Technology: 3 hrs
   - **MUT 4571** Analysis of Twentieth-Century Music: 3 hrs
   - **MUN XXXX** Major Ensembles (Piano students take MUN 3453; guitar students take MUN 3483): 2 hrs

4. **Core Requirements: Advanced Level (23 hrs)**
   - **MUC 3105C** Composition III: 3 hrs
   - **MUC 4106C** Composition IV: 4 hrs
   - **MUC 4950** Composition Recital: 0 hrs
   - **MUT 4311** Orchestration: 3 hrs
   - **MUT 4401** Counterpoint: 3 hrs
   - One course selected from MUC/MUH/MUT, 3000 level or above: 3 hrs

  1 Two semesters for total 6 hrs
  2 Two semesters for total 8 hrs
5. Restricted Electives (9 hrs)
- Any secondary performance course not in area of major instrument, or
- Any MUC, MUE, MUG, MUH, MUL, MUM, MUN, MUO, MUS, MUT, MVX courses numbered 3000 or higher.

Special Non-Course Requirements: Major Ensemble Participation
- Selected from University Chorus, Women’s Chorus, Symphony Orchestra, Concert Band, Wind Ensemble, and Marching Band. Four hours of Jazz Ensemble may be used as Major Ensemble credit.
- Ensemble assignment is by the Ensemble Directors.
- Students must take Major Ensemble during each semester at UCF.
- Students taking a course in Performance must concurrently take a major ensemble appropriate to their principal instrument or voice.

Special Non-Course Requirements: Minor Ensemble Participation
- If Minor Ensemble is taken at UCF, the semester hours of credit must be spread over at least two separate semesters.
- Minor Ensembles include: Brass, Percussion, Piano, Madrigal Singers, Women’s Chorus, Opera Workshop, Woodwind, Jazz Ensemble, Jazz Combo, and Early Music Ensemble.

6. Capstone Requirements
- None

7. Foreign Language Requirements
Admissions
- Two years of foreign language in high school or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.
Graduation
- None

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Earn a grade of “C” (2.0) or better in each Music course.
- Computer Competency met by the following or departmental examination:
  MUS 2360C Introduction to Music Technology 3 hrs

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Music
- Music Education
- Theatre

Certificates
- None

Related Minors
- Digital Media
- Music
- Theatre

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (120 hrs)

Freshman Year - Fall 14 hrs
- ENC 1101 Composition I 3 hrs
- MUL 2014 Introduction to Music History and Literature 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUT 1121 Music Theory and Musicianship I 4 hrs
- MVK 1111 Class Piano I 1 hr
- MUN XXXX Major Ensemble 1 hr
- MVX 141X Performance I 2 hrs

Freshman Year - Spring 16 hrs
- ENC 1102 Composition II 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUS 2360C Introduction to Music Technology 3 hrs
- MUT 1122 Music Theory and Musicianship II 4 hrs
- MVK 1112 Class Piano II 1 hr
- MVX 141X Performance I 1 hr
- MUN XXXX Major Ensemble 1 hr
- Science Foundation 3 hrs

Sophomore Year - Fall 15 hrs
- MUC 1101C Composition I 2 hrs
- MUG 3104 Basic Conducting 2 hrs
- MUS 1010 Music Forum 0 hrs
- MUT 2126 Music Theory and Musicianship III 4 hrs
- MVK 2121 Class Piano III 1 hr
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- MUN XXXX Major Ensemble 1 hr
- MVX 242X Performance I 2 hrs

Sophomore Year - Spring 16 hrs
- MGF 1106 Finite Mathematics 3 hrs
- MUC 2104C Composition II 2 hrs
- MUS 1010 Music Forum 0 hrs
- MUT 2127 Music Theory and Musicianship IV 4 hrs
- MVK 2122 Class Piano IV 1 hr
- Cultural/Historical Foundation 3 hrs
- MUN XXXX Major Ensemble 1 hr
- MVX 242X Performance II 2 hrs
1 (GEP C.1.)

Junior Year - Fall 16 hrs
- MUC 3105C Composition III 3 hrs
- MUH 3211 Music History and Literature I 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUT 4271 Analysis of Twentieth-Century Music 3 hrs
- MUX 3/4XXX Restricted Electives 3 hrs
- Cultural/Historical Foundation 3 hrs
- MUN XXXX Major Ensemble 1 hr

1 (GEP C.1.)
## UCF Degree Programs

### Music - Music Performance Track (B.M.)

#### College of Arts and Humanities

**Department of Music, Colbourn Hall, Room: 205**

http://www.music.cah.ucf.edu/

E-mail: musicaud@mail.ucf.edu

Kirk Gay, kgay@mail.ucf.edu, 407-823-5968

### Admission Requirements

**Audition Requirements**

- Acceptance into the Department of Music is conditional upon completion of a successful audition. Go to http://www.music.ucf.edu/admissionsauditions.php to learn more about specific audition requirements and recommended repertoire for each instrument and voice.

- The audition will serve as a placement examination for accepted candidates.

**Professional Sequence Entrance Review**

- During the fourth semester of applied study, each student will be required to pass the Professional Sequence Entrance Review, which will include the following:
  - An evaluation of performance skills
  - Completion of Performance I and II
  - Completion of Class Piano IV
  - Overall GPA of at least 2.5, and a GPA for all music courses of at least 3.0.

- This review is a pre-requisite for Performance level III.

- Completion of the following courses:
  - MUS 2360C: Introduction to Music Technology (3 hrs)
  - MUT 2127: Music Theory and Musicianship IV (4 hrs)

**Degree Requirements**

- Prior to attending the first music class as a music major at UCF, all students must take a keyboard placement examination to determine the appropriate level of class piano. Go to http://music.ucf.edu/students to see the class piano requirements.

- Students who change degree programs and select this major must adopt the most current catalog.

- At least 65 hours of credit must be earned in music courses.

- Departmental Residency Requirement; at least 30 hours must be taken from the UCF Music department.

- Performance students must present two faculty-approved public recitals.

- Students should consult with a departmental advisor for course selection.

- Courses designated in 1 (General Education Program) are usually completed throughout four years of study.

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

- (See General Education program for detailed information)

  - **A: Communication Foundations** (9 hrs)
    - Preferred: SPC 1608 Fundamentals of Oral Communication (3 hrs)
    - Required: ENC 1101 Composition I (3 hrs)
    - Required: ENC 1102 Composition II (3 hrs)

  - **B: Cultural & Historical Foundations** (9 hrs)
    - Preferred: MGF 1106 Finite Mathematics (3 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)
    - Preferred: STA 1060C Basic Statistics Using Microsoft Excel (3 hrs)
    - Required: STA 1060C Basic Statistics Using Microsoft Excel (3 hrs)

  - **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.

- **A: Communication Foundations** (9 hrs)
  - Preferred: ENC 1101 Composition I
  - Required: ENC 1101 Composition I

- **B: Cultural & Historical Foundations** (9 hrs)
  - Required: MUH 3212 Music History and Literature II

- **C: Mathematical Foundations** (6 hrs)
  - Preferred: STA 1060C Basic Statistics Using Microsoft Excel
  - Required: STA 1060C Basic Statistics Using Microsoft Excel

- **D: Social Foundations** (6 hrs)

- **E: Science Foundations** (6 hrs)

3. **Core Requirements: Basic Level** (6 hrs)

- **MUL 2014 Introduction to Music History and Literature** (3 hrs)
- **MUS 1010 Music Forum** (0 hrs)
- **MUS 2360C Introduction to Music Technology** (3 hrs)

4. **Core Requirements: Advanced Level** (24 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)
- **MUS 3853 Recital Performance I** (2 hrs)
- **MUS 4954 Recital Performance II** (2 hrs)
- **MVK 2121 Class Piano I** (1 hr)
- **MVK 2122 Class Piano II** (1 hr)
- **MVK 2123 Class Piano III** (1 hr)
- **MVK 3431 Performance III (2 semesters)** (4 hrs)
- **MVK 444X Performance IV (2 Semesters)** (8 hrs)
- **MUN XXXX Major Ensemble (four semesters)** (4 hrs)

5. **Specialty Requirements (Choose One):** (22 hrs)

- **Guitar** (21 hrs)
  - **MUL 3400 Piano Literature I and II** (2 hrs)
  - **MUL 3401 Piano Literature I and II** (2 hrs)
  - **MUN 3453 Piano Ensemble and II** (1 hr)
  - **MUK 4640 Piano Pedagogy I and II** (9 hrs)
  - **Restricted Electives** (5 hrs)

- **Guitar Ensemble** (1 hr)

6. **Music - Music Performance Track (B.M.)**

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<tr>
<th><strong>Junior Year - Spring</strong></th>
<th><strong>16 hrs</strong></th>
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<tbody>
<tr>
<td>MUC 3105C</td>
<td>Composition III</td>
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<td>¹ MUH 3212</td>
<td>Music History and Literature II</td>
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<td>MUS 1010</td>
<td>Music Forum</td>
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<tr>
<td>MUT 4311</td>
<td>Orchestra</td>
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<tr>
<td>² STA 1060C</td>
<td>Ensemble Using Microsoft Excel</td>
</tr>
<tr>
<td>MUN XXXX</td>
<td>Major Ensemble</td>
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<tr>
<td>MUX 3/4XXX</td>
<td>Restricted Elective</td>
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<th><strong>Senior Year - Fall</strong></th>
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<td>Music Forum</td>
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<td>Social Foundation</td>
<td>3 hrs</td>
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<tr>
<td>Science Foundation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUX 3/4XXX</td>
<td>Restricted Electives</td>
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<th><strong>13 hrs</strong></th>
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<tr>
<td>MUC 4106C</td>
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<td>Music Forum</td>
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<td>Counterpoint</td>
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<td>Social Foundation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUX 3/4XXX</td>
<td>Restricted Electives</td>
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**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

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1. **GEP**
2. (GEP C.2.)

---

1 GEP
2 (GEP C.2.)
UCF Degree Programs

Voice
MUL 3602 Song Literature and 3 hrs
MUS 1250 IPA for Singers and 1 hr
MUS 3254 Italian and French Lyric Diction and 2 hrs
MUS 3255 German and English Lyric Diction and 2 hrs
MVV 4640 Voice Pedagogy and 2 hrs
MUN XXXX Major Ensembles and 2 hrs
MUN XXXX Minor Ensembles and 2 hrs
Foreign Language (French, German, or Italian) 8 hrs

Woodwinds
MUL 4444 Woodwind Literature and Pedagogy and 22 hrs
MUN XXXX Major Ensembles and 3 hrs
MUN XXXX Minor Ensembles and 2 hrs
Restricted Electives and 4 hrs
Electives 8 hrs

Brass
MUL 4443 Brass Literature and Pedagogy and 22 hrs
MUN XXXX Major Ensembles and 3 hrs
MUN XXXX Minor Ensembles and 2 hrs
Restricted Electives and 4 hrs
Electives 8 hrs

Percussion
MUL 3463 Percussion Literature and 22 hrs
MVP 3630 Percussion Pedagogy and 2 hrs
MUN XXXX Major Ensembles and 2 hrs
MUN XXXX Minor Ensembles and 4 hrs
Restricted Electives and 7 hrs
Electives 5 hrs

Strings
MUL 4457 String Literature and Pedagogy and 22 hrs
MUN XXXX Major Ensembles and 3 hrs
MUN XXXX Minor Ensembles and 2 hrs
Restricted Electives and 4 hrs
Electives 8 hrs
1 Repeat once

5. Restricted Electives (0 hrs)
   - 3-15 hrs
   - Choose one MUT 3XXX or MUT 4XXX course
   - Any MUC, MUE, MUG, MUH, MUL, MUM, MUN, MOU, 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
   - 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
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 39 hours of course work must be completed in residency at UCF
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
   - Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
120

Honors In Major
- None

Related Programs
- Music
- Music Education
- Theatre - Musical Theatre Track

Certificates
- None

Related Minors
- Digital Media
- Music
- Theatre

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- Program A: Strings, Woodwinds, Brass

Freshman Year - Fall
ENC 1101 Composition I 3 hrs
MUL 2014 Introduction to Music History and Literature 3 hrs
MUS 1010 Music Forum 0 hrs
MUT 1121 Music Theory and Musicianship I 4 hrs
MVK 1111 Class Piano I 1 hr
MUN XXXX Major Ensemble 1 hr
MVX 141X Performance I 2 hrs

Freshman Year - Spring
ENC 1102 Composition II 3 hrs
MUS 1010 Music Forum 0 hrs
MUS 2360C Introduction to Music Technology 3 hrs
MUT 1122 Music Theory and Musicianship II 4 hrs
MVK 1112 Class Piano II 1 hr
MUN XXXX Major Ensemble 1 hr
MVX 141X Performance I 2 hrs
Science Foundation 3 hrs
### UCF Degree Programs

#### Sophomore Year - Fall
- MUG 3104 Basic Conducting 2 hrs
- MUS 1010 Music Forum 0 hrs
- MUT 2126 Music Theory and Musicianship III 4 hrs
- MVK 2121 Class Piano III 1 hr
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- 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

17 hrs

#### Sophomore Year - Spring
- MGP 1106 Finite Mathematics 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUT 2127 Music Theory and Musicianship IV 4 hrs
- MVK 2122 Class Piano IV 1 hr
- Cultural & Historical Foundation 3 hrs
- MUN XXXX Major Ensemble 1 hr
- MUN XXXX Minor Ensemble 1 hr
- MVX 242X Performance II 2 hrs

15 hrs

#### Junior Year - Fall
- MUH 3211 Music History and Literature I 3 hrs
- MUS 1010 Music Forum 0 hrs
- MVK 3953 Recital Performance I 0 hrs
- MUH 3/4XXX Restricted Electives 3 hrs
- MUN XXXX Major Ensemble 1 hr
- MUN XXXX Minor Ensemble 1 hr

17 hrs

#### Junior Year - Spring
- MUH 3212 Music History and Literature II 3 hrs
- MUS 1010 Music Forum 0 hrs
- MVK 3953 Recital Performance I 0 hrs
- MUL 444X Literature and Pedagogy 3 hrs
- MVX 343X Performance III 3 hrs
- MUN XXXX Minor Ensemble 1 hr
- MUN XXXX Major Ensemble 1 hr
- Professional Sequence Entrance Interview

14 hrs

#### Senior Year - Fall
- MUS 1010 Music Forum 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

14 hrs

#### Senior Year - Spring
- 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

12 hrs

#### Program B: Percussion

#### Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- MUL 2014 Introduction to Music History and Literature 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUT 1121 Music Theory and Musicianship I 4 hrs
- MVK 1111 Class Piano I 1 hr
- MVP 1411 Percussion I 2 hrs
- MUN XXXX Major Ensemble 1 hr

14 hrs

#### Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUS 2360C Introduction to Music Technology 3 hrs
- MUT 1122 Music Theory and Musicianship II 4 hrs
- MVK 1112 Class Piano II 1 hr
- MVP 1411 Percussion I 2 hrs
- MUN XXXX Major Ensemble 1 hr
- Science Foundation 3 hrs

17 hrs

#### Sophomore Year - Fall
- MUG 3104 Basic Conducting 2 hrs
- MUN 3443 Percussion Ensemble 1 hr
- MUS 1010 Music Forum 0 hrs
- MUT 2126 Music Theory and Musicianship III 4 hrs
- MVK 2121 Class Piano III 1 hr
- MVP 2421 Percussion II 2 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
- MUN XXXX Major Ensemble 1 hr

17 hrs

#### Sophomore Year - Spring
- MGP 1106 Finite Mathematics 3 hrs
- MUS 3443 Percussion Ensemble 1 hr
- MUS 1010 Music Forum 0 hrs
- MUT 4571 Analysis of Twentieth-Century Music 3 hrs
- MVP 3431 Percussion III 2 hrs
- Cultural & Historical Foundation 3 hrs
- MVX 3/4XXX Restricted Elective 3 hrs
- MUN XXXX Major Ensemble 1 hr

15 hrs

#### Junior Year - Spring
- MUH 3211 Music History and Literature I 3 hrs
- MUL 3463 Percussion Literature 2 hrs
- MUN 3443 Percussion Ensemble 1 hr
- MUS 1010 Music Forum 0 hrs
- MVK 3953 Recital Performance I 0 hrs
- MVP 3431 Percussion III 2 hrs
- MUN 3/4XXX Restricted Electives 3 hrs
- MUN XXXX Major Ensemble 1 hr

13 hrs

#### Senior Year - Fall
- MUS 1010 Music Forum 0 hrs
- MUP 3630 Percussion Pedagogy 2 hrs
- MVP 4441 Percussion IV 4 hrs
- Social Foundation 3 hrs
- MUN XXXX Major Ensemble 1 hr
- Free Elective 2 hrs

15 hrs

#### Senior Year - Spring
- MUS 1010 Music Forum 0 hrs
- MUS 4954 Recital Performance II 0 hrs
- MVP 4441 Percussion IV 4 hrs
- Social Foundation 3 hrs
- MUN XXXX Major Ensemble 1 hr
- MUN 3XXX Restricted Elective 1 hr
- Free Elective 3 hrs

12 hrs

#### Program C: Piano

#### Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- MUL 2014 Introduction to Music History and Literature 3 hrs
- MUS 3453 Piano Ensemble 1 hr
- MUS 1010 Music Forum 0 hrs
- MUT 1121 Music Theory and Musicianship I 4 hrs
- MVK 1111 Class Piano I 1 hr
- MVP 1411 Piano I 2 hrs

14 hrs

#### Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- MUN 3453 Piano Ensemble 1 hr
- MUS 1010 Music Forum 0 hrs
- MUS 2360C Introduction to Music Technology 3 hrs
- MUT 1122 Music Theory and Musicianship II 4 hrs
- MVK 1112 Class Piano II 1 hr
- MVP 1411 Piano I 2 hrs
- Science Foundation 3 hrs

17 hrs
### Sophomore Year - Fall
- **MUG 3104** Basic Conducting 2 hrs
- **MUN 3453** Piano Ensemble 1 hr
- **MUS 1010** Music Forum 0 hrs
- **MUT 2126** Music Theory and Musicianship III 4 hrs
- **MVK 2121** Class Piano III 1 hr
- **MVK 2421** Piano II 2 hrs
- **SPC 1608** Fundamentals of Oral Communication 3 hrs
- **STA 1060C** Basic Statistics Using Microsoft Excel 3 hrs

### Sophomore Year - Spring
- **MUG 1106** Finite Mathematics 3 hrs
- **MUN 3453** Piano Ensemble 1 hr
- **MUS 1010** Music Forum 0 hrs
- **MUT 2127** Music Theory and Musicianship IV 4 hrs
- **MVK 2122** Class Piano IV 1 hr
- **MVS 2426** Guitar II 2 hrs
- **Cultural & Historical Foundation** 3 hrs

### Junior Year - Fall
- **MUN XXXX** Major Ensemble 1 hr
- **MVV 2421** Voice II 2 hrs
- **MVK 2121** Class Piano III 1 hr
- **MUT 2126** Music Theory and Musicianship III 4 hrs
- **MUS 1010** Music Forum 0 hrs
- **MUG 3104** Basic Conducting 2 hrs
- **MVK 1111** Class Piano I 1 hr
- **MUT 2126** Music Theory and Musicianship IV 4 hrs
- **MVS 2426** Guitar II 2 hrs
- **Cultural & Historical Foundation** 3 hrs

### Junior Year - Spring
- **MUG 3104** Basic Conducting 2 hrs
- **MUN 3453** Piano Ensemble 1 hr
- **MUS 1010** Music Forum 0 hrs
- **MUT 2127** Music Theory and Musicianship IV 4 hrs
- **MVS 2426** Guitar II 2 hrs
- **Cultural & Historical Foundation** 3 hrs

### Senior Year - Fall
- **MVS 4346** Guitar IV 4 hrs
- **MUS 1010** Music Forum 0 hrs
- **MUG 3104** Basic Conducting 2 hrs
- **MUN XXXX** Major Ensemble 1 hr
- **MUS 3954** Recital Performance II 0 hrs
- **MUS 1010** Music Forum 0 hrs
- **MUN 3453** Piano Ensemble 1 hr
- **MUS 1010** Music Forum 0 hrs
- **MUG 3104** Basic Conducting 2 hrs
- **MVF 3440** Piano Literature II 2 hrs
- **MUH 3212** Music History and Literature II 3 hrs

### Senior Year - Spring
- **MUS 3953** Recital Performance I 0 hrs
- **MUS 1010** Music Forum 0 hrs
- **MUN XXXX** Major Ensemble 1 hr
- **MUS 3953** Recital Performance II 0 hrs
- **MUF 3440** Piano Literature II 2 hrs
- **MUH 3212** Music History and Literature II 3 hrs

### Program E: Voice
- **Freshman Year - Fall**
  - **ENC 1101** Composition I 3 hrs
  - **MUL 2014** Introduction to Music History and Literature 3 hrs
  - **MUS 1010** Music Forum 0 hrs
  - **MUS 1250** IPA for Singers 1 hr
  - **MVX 1111** Class Piano I 1 hr
  - **MVX 1411** Voice I 2 hrs
  - **MUN XXXX** Major Ensemble 1 hr

- **Freshman Year - Spring**
  - **ENC 1102** Composition II 3 hrs
  - **MUL 2014** Introduction to Music History and Literature 3 hrs
  - **MUS 1010** Music Forum 0 hrs
  - **MUS 1250** IPA for Singers 1 hr
  - **MVX 1111** Class Piano I 1 hr
  - **MVX 1411** Voice I 2 hrs
  - **MUN XXXX** Major Ensemble 1 hr

- **Sophomore Year - Fall**
  - **MUG 1106** Finite Mathematics 3 hrs
  - **MUS 3104** Basic Conducting 2 hrs
  - **MUS 1010** Music Forum 0 hrs
  - **MUT 2126** Music Theory and Musicianship III 4 hrs
  - **MVK 2121** Class Piano III 1 hr
  - **MVS 2426** Guitar II 2 hrs
  - **Cultural & Historical Foundation** 3 hrs

- **Sophomore Year - Spring**
  - **MUS 1010** Music Forum 0 hrs
  - **MUT 2127** Music Theory and Musicianship IV 4 hrs
  - **MVK 2122** Class Piano IV 1 hr
  - **MVS 2426** Guitar II 2 hrs

### Program D: Guitar
- **Freshman Year - Fall**
  - **ENC 1101** Composition I 3 hrs
  - **MUL 2014** Introduction to Music History and Literature 3 hrs
  - **MUS 1010** Music Forum 0 hrs
  - **MUS 1250** IPA for Singers 1 hr
  - **MVX 1111** Class Piano I 1 hr
  - **MVX 1411** Voice I 2 hrs
  - **MUN XXXX** Major Ensemble 1 hr

- **Freshman Year - Spring**
  - **ENC 1102** Composition II 3 hrs
  - **MUL 2014** Introduction to Music History and Literature 3 hrs
  - **MUS 1010** Music Forum 0 hrs
  - **MUS 1250** IPA for Singers 1 hr
  - **MVX 1111** Class Piano I 1 hr
  - **MVX 1411** Voice I 2 hrs
  - **MUN XXXX** Major Ensemble 1 hr

- **Sophomore Year - Fall**
  - **MUG 1106** Finite Mathematics 3 hrs
  - **MUS 3104** Basic Conducting 2 hrs
  - **MUS 1010** Music Forum 0 hrs
  - **MUT 2126** Music Theory and Musicianship III 4 hrs
  - **MVK 2121** Class Piano III 1 hr
  - **MVS 2426** Guitar II 2 hrs
  - **Cultural & Historical Foundation** 3 hrs

- **Sophomore Year - Spring**
  - **MUS 1010** Music Forum 0 hrs
  - **MUT 2127** Music Theory and Musicianship IV 4 hrs
  - **MVK 2122** Class Piano IV 1 hr
  - **MVS 2426** Guitar II 2 hrs
determine the appropriate level of class piano.

Prior to attending the first music class as a music major at UCF, all students will take a keyboard placement examination to audition requirements.

Al Holcomb, aholcomb@mail.ucf.edu, 407-823-4180

College of Arts and Humanities
Music Education (B.M.E.)

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

Admission Requirements
Admission Requirements - Music Education

Audition. To be accepted in to Music Education, a student must demonstrate advanced proficiency by performing compositions representing a variety of musical periods (baroque, classical, romantic, contemporary).

Memorization is required for pianists and vocalists.

Accompanists are provided for vocalists only.

Each candidate must bring his/her own audition music.

The department will only provide large instruments such as a tuba, string, bass, or timpani for these auditions.

Each candidate must bring his/her own audition music. 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.

Interview. In addition to a performance audition, students must successfully complete an interview with Music Education faculty.

Admission Requirements - Professional Program

Application into the Professional Program must be made at the conclusion of 45 hours of course work. Students must complete a formal application for the Professional Program. (Deadlines: February 15 for Fall semester admission and September 15 for Spring semester admission). Transfers may be admitted on an individual basis at the discretion of the Music Education faculty. To apply for the Music Education Professional Program, students must:

Complete 45 hours of coursework including: 15 hours of General Education Program courses, EDF 2005, MUT 2126, first semester of Performance II.

Have a minimum overall GPA of 2.5 and a grade of "C" (2.0) or better in each performance, education, and music education course.

Have on file in the University admissions office passing scores on the General Knowledge Test of the Florida Teacher Competency Examination.

Provide satisfactory documentation and reflection on 15 hours of field experiences (See Music Education Coordinator for more information).

To be accepted into the Music Education Professional Program students must:

- Demonstrate proficiency with aural skills (including the ability to match pitch with the voice) and communication skills (including the ability to write and speak effectively).
- Complete MVK 2122, MUT 2127, and two semesters of Performance II.

Notes:

(1) Students may not enroll in Performance III or Professional Program courses unless all requirements for admission are satisfied.

(2) Students who change degree programs and select this major must adopt the most current catalog.

(3) Common program prerequisites are subject to revision based on changes Section 1004.04, Florida Statutes, Public Accountability and State Approval for Teacher Preparation Programs, and State Board of Education Rule 6A-5.066, 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)
   - Required ENC 1101 Composition I 3 hrs
   - Required ENC 1102 Composition II 3 hrs

   Take all of the following: 6 hrs
   - Required ENC 1101 Composition I and ENC 1102 Composition II

   B: Cultural & Historical Foundations (9 hrs)
   - Required AMH 2010 U.S. History: 1877-Present 3 hrs
   - Required AMH 2020 U.S. History: 1492-1877 3 hrs
   - Required MUH 3212 Music History and Literature II 3 hrs

   C: Mathematical Foundations (6 hrs)
   - Prefer STA 1060C 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)
   - 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
2. Common Program Prerequisites (CPP) (38 hrs)

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

EDF 2005 Introduction to the Teaching Profession 3 hrs
EDF 2085 Introduction to Diversity for Educators 3 hrs
EME 2040 Introduction to Technology for Educators 3 hrs

1 MUS 1010 Music Forum 0 hrs
MUT 1121 Music Theory and Musicanship I 4 hrs
MUT 1122 Music Theory and Musicanship II 4 hrs
MUT 2125 Music Theory and Musicanship III 4 hrs
MUT 2127 Music Theory and Musicanship IV 4 hrs
MVK 2122 Class Piano IV 1 hr
MUN XXXX Major Ensembles (4 semesters) 4 hrs
MVX 141X Performance I (2 semesters) 4 hrs
MVX 242X Performance II (2 semesters) 4 hrs

1 4 semesters

3. Core Requirements: Basic Level (5 hrs)

1 MUS 1010 Music Forum CPP
MUT 1121 Music Theory and Musicanship I CPP
MUT 2125 Music Theory and Musicanship III CPP
MUT 2127 Music Theory and Musicanship 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 (29 hrs)

MUE 3942 Internship I - Secondary 3 hrs
MUG 3104 Basic Conducting 2 hrs
MUH 3211 Music History and Literature I 3 hrs
MUH 3212 Music History and Literature II GEP

Music Education Prerequisites - Advanced 17 hrs
ESE 3940 Internship I - Secondary and 3 hrs
MUE 3332 Music Learning Theory and Assessment and 3 hrs
MUE 4311 Elementary School Music Methods and 2 hrs
MUG 3104 Basic Conducting and 2 hrs
MUH 3211 Music History and Literature I and 3 hrs
MUH 3212 Music History and Literature II and GEP
MVX 343X Performance III (2 Semesters) 4 hrs

Education Core 12 hrs
EDF 4603 Analysis and Application of Ethical, Legal, and 3 hrs
Safety Issues in Schools and Teaching Strategies and Classroom 3 hrs
EDG 4410 Management and 3 hrs
RED 4043 Content Reading in Kindergarten through Grade 12 and 3 hrs
TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

5. Restricted Electives (26 hrs)

- Music Education Specialty Area Courses and Professional Program Courses
- Complete one program

Program A - Instrumental
ESE 4943 Internship II - Secondary 7 hrs
MUE 2346 Vocal Techniques 1 hr
MUE 4332 Secondary Choral Methods I 3 hrs
MUE 4394 Seminar in Music Teaching 1 hr
MUG 3302 Instrumental Conducting and Materials 1 hr

Select 1: 3 hrs
MUE 4335 Secondary Choral Methods II or 3 hrs
MUE 4441 String Methods 3 hrs

Select 5: 5 hrs
MUE 2440 String Techniques or 1 hr
MUE 2450 Woodwind Techniques I or 1 hr
MUE 2460 Brass Techniques or 1 hr
MUE 2470 Percussion Techniques or 1 hr
MUE 2471 Percussion Techniques II or 1 hr
MUE 3451 Woodwind Techniques II or 1 hr
MUE 3461 Brass Techniques II 1 hr

Program B - Choral
ESE 4943 Internship II - Secondary 7 hrs
MUE 4331 Secondary Choral Methods I 3 hrs
MUE 4335 Secondary Choral Methods II 3 hrs
MUE 4337 Secondary Instrumental Methods II 3 hrs
MUE 4394 Seminar in Music Teaching 1 hr
MUE 4943 Music Internship II 12 hrs
MUG 3202 Choral Conducting and Materials 1 hr
MUS 1250 IPA for Singers 1 hr
MUV 4640 Voice Pedagogy 2 hrs

Select 3: 3 hrs
MUE 2440 String Techniques or 1 hr
MUE 2450 Woodwind Techniques I or 1 hr
MUE 2460 Brass Techniques or 1 hr
MUE 2470 Percussion Techniques or 1 hr
MUE 2471 Percussion Techniques II or 1 hr
MUE 3451 Woodwind Techniques II or 1 hr
MUE 3461 Brass Techniques II 1 hr

Program C - Elementary School
ESE 4943 Internship II - Secondary 7 hrs
MUE 2346 Vocal Techniques 1 hr
MUC 3353 General Music Literature and Techniques 2 hrs
MUE 4331 Secondary Choral Methods I 3 hrs
MUE 4393 Music and Students with Special Needs 2 hrs
MUE 4394 Seminar in Music Teaching 1 hr

Select 4: 4 hrs
MUE 2440 String Techniques or 1 hr
MUE 2450 Woodwind Techniques I or 1 hr
MUE 2460 Brass Techniques or 1 hr
MUE 2470 Percussion Techniques or 1 hr
MUE 2471 Percussion Techniques II or 1 hr
MUE 3451 Woodwind Techniques II or 1 hr
MUE 3461 Brass Techniques II 1 hr

MUG 3X02 Choral or Instrumental Conducting and Materials 2 hrs

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Two years of foreign language in high school or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

- None

8. Electives

- None

9. Additional Requirements

Admission to Internship I will be granted to students who meet the following requirements:

- Have on file passing scores on all 4 parts of the Florida Teacher Certification General Knowledge Test (no alternatives or waivers will be accepted).
- Possess minimum overall GPA of 2.5
- Possess minimum specialization GPA of 2.5
- Achieve a “C” or better in all prerequisite methods/specialization courses
- Complete a formal application for Internship I online (Deadlines: February 15 for fall semester and September 15 for spring semester).
UCF Degree Programs

- Current enrollment in or completion of Performance III (first semester).
- Completion of Music Education prerequisites and Education Core Requirements.
- Completion of 30 semester hours of General Education and Common Program courses.
- Completion of all Specialty Area courses except Secondary Methods II (MUE 433X), Seminar in Music Teaching (MUE 4394) and Internship II (ESE 4943).
- Possess minimum professional preparation GPA of 2.5.
- Internship I: Students are assigned to a school with certified Supervising Teachers under the direction of a University Coordinator. During the semester, students spend two full days per week (Tuesday and Thursday) in assigned schools with half the time in an Elementary setting and half in a Secondary school setting. Students are expected to provide their own transportation to assigned locations.

Admission to Internship II will be granted to students who meet the following requirements:
- Completion of all admission requirements for Internship I (see above).
- Completion of Performance III and any associated recital (students may not perform a recital during Internship II).
- Completion of all music methods and techniques courses.
- Completion of all General Education and Common Program courses.
- Internship II: Students are assigned to a school with certified Supervising Teachers under the direction of a University Coordinator five days a week for the entire semester, normally during the student's last semester. Students are permitted to enroll in other classes only with the consent of the departmental advisor. Students are expected to provide their own transportation to assigned locations.

Special Non-Course Requirements
- Note: Contact the Music Education Advisor for details.
- Students should register to take the General Knowledge Test of the Florida Teaching Certification Examination (FTCE) before the third semester of enrollment at UCF. (See http://www.fl.fesinc.com/ for test information).
- Electronic Portfolio. Students will develop an electronic portfolio while enrolled in upper division education courses and internship. The portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices. Consult with the Music Education Advisor for specific information regarding portfolio construction.

Ensemble Participation hr
- Selected from University Chorus, Women's Chorus, Symphony Orchestra, Concert Band, and Wind Ensemble. Four hours of Jazz Lab or one hour of Marching Band may be used to fulfill Major Ensemble requirements.
- Students whose primary instrument is a wind instrument must audition for Wind Ensemble whenever it is offered.
- Ensemble assignment is by the Ensemble directors in consultation with the applied faculty.
- Transfer students must take Major Ensemble during each of their remaining semesters, except when enrolled in Internship II.
- Native UCF students must take each Major Ensemble credit in separate semesters.
- Students enrolled in a Performance course must concurrently enrolled in an appropriate major ensemble if accepted.

Recitals hr
- Students must complete a faculty-approved public recital (optional for students in the Elementary School Music Specialization). Recitals are normally performed while concurrently enrolled in the second semester of Performance III.

CMENC Membership hr
- Active participation in CMENC is expected. Students are expected to maintain a record of participation at CMENC events. In addition, students are expected to document attendance at any event that promotes development as a music educator (e.g., music or music education conferences, workshops).

Music Education Forums hr
- Attendance at all Music Education Forums (except during Internship I and II) is expected.

Public School Partnerships hr
- Students are expected to be in K-12 schools each semester. Prior to internship experiences, students are expected to observe, assist, and teach in variety of grade levels and settings (e.g., urban, suburban, general, choral, instrumental). Students are expected to maintain a record of and reflections on all field experiences as this will be required for the Music Education Proficiency Examination.

10. Required Minors
- None

11. Departmental Exit Requirements
- Have on file passing scores for the General Knowledge, Professional Education, and Subject Area subtests of the Florida Teacher Certification Examination. (See for specific test information)
- A minimum GPA of 2.5 is required in all courses within the major.
- A grade of "C" (2.0) or better in each performance and music education course.
- Departmental Residency Requirement: at least 25 hours must be taken from the UCF Music Department. In addition, music education students must complete their last two semesters of required performance, recital, and Internship II while attending UCF.
- Computer competency is met through the following: MUE 3693 Technology in Music Education 2 hrs

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 134

Honors In Major
- None

Related Programs
- Music
- Theatre

Certificates
- Florida Teaching Certification: Music K-12

Related Minors
- Music
- Theatre

Advising Notes
- Consult with the music education advisor for course selection.

Transfer Notes
- Students transferring to UCF must pass an 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. NOTE: Education majors are required to take six hours in addition to EDF 2085 that have an international or diversity focus. While native UCF students complete this requirement as part of the GEP, transfer students must take appropriate courses that have been so designated by their previous institution.

Acceptable Substitutes for Transfer Courses

- None

Plan of Study

- Take General Knowledge Test after spring semester of Freshman Year.
- Apply for Professional Program after spring semester of Sophomore year.
- Take PET and Music Examination of FTCE after fall semester of Senior year.
- As indicated in the Plan of Study, all 3 remaining GEP classes will be taken during the summer semester of the Senior year.
- Program A - Instrumental Program K-12:

### Freshman Year - Fall

- EDF 2005 Introduction to the Teaching Profession 3 hrs
- MUE 2346 Vocal Techniques 1 hr
- MUS 1010 Music Forum 0 hrs
- MUK 1121 Music Theory and Musicianship I 4 hrs
- MVK 1111 Class Piano I 1 hr
- MVX 141X Performance I 2 hrs
- MUN XXXX Ensemble 1 hr
- CMENC/Schools
- GEP 3 hrs
- CMENC/Schools

### Freshman Year - Spring

- Take General Knowledge Test

- MUL 2014 Introduction to Music History and Literature 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUK 1121 Music Theory and Musicianship II 4 hrs
- MVK 1111 Class Piano II 1 hr
- GEP 3 hrs
- GE 3 hrs
- CMENC/Schools

### Sophomore Year - Fall

- MUK 3211 Music History and Literature I 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUK 2126 Music Theory and Musicianship III 4 hrs
- MVK 2121 Class Piano III 1 hr
- GEP 3 hrs
- GE 3 hrs
- CMENC/Schools

### Sophomore Year - Spring

- Apply for Professional Program

- EDF 2005 Introduction to Diversity for Educators 3 hrs
- MUK 3212 Music History and Literature II 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUK 2127 Music Theory and Musicianship IV 4 hrs
- MVK 2122 Class Piano IV 1 hr
- MUE XXXX Techniques 1 hr
- MVX 242X Performance II 2 hrs
- MUN XXXX Ensemble 1 hr
- CMENC/Schools

### Junior Year - Fall

- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- EDG 4323 Professional Teaching Practices 3 hrs
- MUE 4332 Secondary Instrumental Methods I 3 hrs
- MUK 3104 Basic Conducting 2 hrs
- MUS 1010 Music Forum 0 hrs
- MUE XXXX Techniques 1 hr
- MVX 343X Performance III 2 hrs
- MUN XXXX Ensemble 1 hr
- CMENC/Schools

### Junior Year - Spring

- EME 2040 Introduction to Technology for Educators 3 hrs
- MUK 3302 Instrumental Conducting and Materials 1 hr
- MUS 1010 Music Forum 0 hrs
- MUS 3953 Recital Performance I 0 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs

#### Select 1:

- MUE 4335 Secondary Choral Methods II or 3 hrs
- MUE 4441 String Methods 3 hrs
- GEP 3 hrs
- CMENC/Schools

### Senior Year - Fall

- Take PET and Music Examination of FTCE

- ESE 3940 Internship I - Secondary 3 hrs
- MUE 3333 Music Learning Theory and Assessment 3 hrs
- MUE 4331 Elementary School Music Methods 2 hrs
- TSL 4080 Theory and Practice of Teaching ESOL 3 hrs

#### Students in Schools

- GE 3 hrs
- CMENC/Schools

### Senior Year - Spring

- ESE 4943 Internship II - Secondary 7 hrs
- MUE 4394 Seminar in Music Teaching 1 hr
- GEP 3 hrs

### Senior Year - Summer

- GE 3 hrs
- CMENC/Schools

### Program B - Choral Program K-12

### Freshman Year - Fall

- EDF 2005 Introduction to the Teaching Profession 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUK 1121 Music Theory and Musicianship II 4 hrs
- MVK 1111 Class Piano I 1 hr
- MVX 141X Performance I 2 hrs
- MUN XXXX Ensemble 1 hr
- CMENC/Schools

### Freshman Year - Spring

- Take General Knowledge Test

### Sophomore Year - Fall

- MUK 3211 Music History and Literature I 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUK 2126 Music Theory and Musicianship III 4 hrs
- MVK 2121 Class Piano III 1 hr
- GEP 3 hrs
- GE 3 hrs
- CMENC/Schools

### Sophomore Year - Spring

- ESE 3940 Internship I - Secondary 3 hrs
- MUK 3302 Instrumental Conducting and Materials 1 hr
- MUE 3333 Music Learning Theory and Assessment 3 hrs
- MUE 4331 Elementary School Music Methods 2 hrs
- TSL 4080 Theory and Practice of Teaching ESOL 3 hrs

#### Students in Schools

- GE 3 hrs
- CMENC/Schools

### Program B - Choral Program K-12

### Freshman Year - Fall

- EDF 2005 Introduction to the Teaching Profession 3 hrs
- MUK 3211 Music History and Literature I 3 hrs
- MUK 2126 Music Theory and Musicianship III 4 hrs
- MVK 2121 Class Piano III 1 hr
- MVX 141X Performance I 2 hrs
- MUN XXXX Ensemble 1 hr
- CMENC/Schools

### Freshman Year - Spring

- Take General Knowledge Test

### Sophomore Year - Fall

- MUK 3211 Music History and Literature I 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUK 2126 Music Theory and Musicianship III 4 hrs
- MVK 2121 Class Piano III 1 hr
- MVX 141X Performance I 2 hrs
- MUN XXXX Ensemble 1 hr
- CMENC/Schools

### Sophomore Year - Spring

- ESE 3940 Internship I - Secondary 3 hrs
- MUK 3302 Instrumental Conducting and Materials 1 hr
- MUE 3333 Music Learning Theory and Assessment 3 hrs
- MUE 4331 Elementary School Music Methods 2 hrs
- TSL 4080 Theory and Practice of Teaching ESOL 3 hrs

#### Students in Schools

- GE 3 hrs
- CMENC/Schools
UCF Degree Programs

Sophomore Year - Spring 15 hrs

- Apply for Professional Program
  - EDF 2085 Introduction to Diversity for Educators 3 hrs
  - MUS 3101 Music History and Literature II 3 hrs
  - MUT 1121 Music Theory and Musicianship I 4 hrs
  - MVK 2121 Class Piano I 1 hr
  - GEP 3 hrs
  - MUE XXXX Techniques 2 hrs
  - MVX 242X Performance II 2 hrs
  - MUN XXXX Ensemble 1 hr
  - CMENC/Schools

Junior Year - Fall 16 hrs

- EDF 4603 Analysis and Application of Ethical, Legal, and Safety issues in Schools
  - EDG 4323 Professional Teaching Practices 3 hrs
  - MUE 4331 Secondary Choral Methods I 3 hrs
  - MUG 3104 Basic Conducting 2 hrs
  - MUS 1010 Music Forum 0 hrs
  - MVK 4640 Voice Pedagogy 2 hrs
  - MVX 343X Performance III 2 hrs
  - MUN XXXX Ensemble 1 hr
  - CMENC/Schools

Senior Year - Fall 15 hrs

- Take PET and Music Examination of FTCE
  - ESE 3943 Internship I - Secondary 3 hrs
  - MUE 4331 Secondary Choral Methods I 3 hrs
  - MUG 3104 Basic Conducting 2 hrs
  - MUS 1010 Music Forum 0 hrs
  - MVX 343X Performance III 2 hrs
  - MUN XXXX Ensemble 1 hr
  - CMENC/Schools

Freshman Year - Fall 17 hrs

- Take General Knowledge Test
  - EDF 2005 Introduction to the Teaching Profession 3 hrs
  - MUS 1010 Music Forum 0 hrs
  - MUT 1121 Music Theory and Musicianship I 4 hrs
  - MVK 2121 Class Piano I 1 hr
  - GEP 6 hrs
  - MVX 141X Performance I 2 hrs
  - MUN XXXX Ensemble 1 hr
  - CMENC/Schools

Freshman Year - Spring 16 hrs

- Take General Knowledge Test
  - MUL 2104 Introduction to Music History and Literature 3 hrs
  - MUS 1010 Music Forum 0 hrs
  - MUT 1121 Music Theory and Musicianship I 4 hrs
  - GE 6 hrs
  - MVX 141X Performance I 2 hrs
  - MUN XXXX Ensemble 1 hr
  - CMENC/Schools

Junior Year - Spring 15 hrs

- Take PET and Music Examination of FTCE
  - EDE 3943 Internship I - Secondary 3 hrs
  - MUE 4331 Secondary Choral Methods I 3 hrs
  - MUG 3104 Basic Conducting 2 hrs
  - MUS 1010 Music Forum 0 hrs
  - MVX 343X Performance III 2 hrs
  - MUN XXXX Ensemble 1 hr
  - CMENC/Schools

Senior Year - Spring 15 hrs

- Take PET and Music Examination of FTCE
  - ESE 3943 Internship I - Secondary 3 hrs
  - MUE 4331 Secondary Choral Methods I 3 hrs
  - Select 1: 3 hrs
  - CMENC

Program C - Elementary 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
Nursing (B.S.N.)
College of Nursing
HPA-1, Room: 220
http://www.nursing.ucf.edu
E-mail: ucfnurse@mail.ucf.edu
Dr. Jean Leuner, Dean
Dr. Linda Hennig, Associate Dean, Undergraduate
Ms. Patricia Leli, Undergraduate Coordinator
Phone: 407-823-2744

For individuals who are not Registered Nurses.

The College of Nursing has a demanding curriculum. The classes are work-intensive and courses include clinical practice in a variety of settings. Due to this, it is strongly recommended that students 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.
- Application for admission to the University must also be submitted by the program Application deadline.
- All general education, foreign language, and program prerequisite requirements must be completed prior to the start of the program. Students who transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.
- All applicants must have a minimum overall GPA of 3.0
- A standardized test and predetermined cutoff score will be required for acceptance to the College of Nursing. Information regarding this test can be found at http://www.nursing.ucf.edu.
- All applicants must complete a mandatory information session, online or in person, prior to submitting the application.
- Criminal background checks are required for all conditionally admitted or waitlisted students for all undergraduate nursing degrees. The results are reviewed as part of the final admission process and may be grounds for denying a student admission to the College of Nursing. Failure to disclose related information on an application may negate the application.
- At least seven (7) of the nine (9) Common Program Prerequisites must be completed by the program application deadline. This includes Chemistry with Lab, at least 2 courses from Group A, and the remainder from Groups A or B.

Chemistry with Lab 4 hrs

Take all of the following: 4 hrs
- Both required, with grade of B- (2.75) or better.
  CHM 1032 General Chemistry and 3 hrs
  CHM 1032L General Chemistry Laboratory 1 hr

Group A 6 hrs
- A minimum of two courses, with a grade of B- (2.75) or better.
- May take Anatomy and Physiology sequence (AP I & II) of six-eight total credits
  Microbiology with Lab 4 hrs
  Anatomy with Lab 3 hrs
  Physiology with Lab 3 hrs

Group B 3 hrs
- A minimum of four courses, with grade of C (2.0) or better at time of application.
- All courses must be completed before program begins.
- Sociology 3 hrs
- Psychology 3 hrs
- Developmental Psychology 3 hrs
- Human Nutrition 3 hrs
- Statistics 3 hrs

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog year, including any minors
- Students should consult with a college advisor or community college A.A. transfer advisor regarding completion of General Education requirements and the Common Program Prerequisites
- A minimum overall GPA of 2.5 and a minimum 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.

A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (6 hrs)

1. Mathematics 3 hrs
- You may substitute a higher level math with appropriate scores on the Math Placement Test.
  Preferred MAC 1105 College Algebra 3 hrs

2. Statistics 3 hrs
- Required STA 2014C Principles of Statistics or 3 hrs
- Required STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)

1. Economics/Political Science 3 hrs
- Required ECO 2013 Principles of Macroeconomics or 3 hrs
- Required ECO 2023 Principles of Microeconomics or 3 hrs
- Required POS 2041 American National Government 3 hrs

2. Social Sciences 3 hrs
- Although either course satisfies General Education requirements, BOTH are required in the Common Program Prerequisites.
  Required PSY 2012 General Psychology or 3 hrs
  Required SYG 2000 Introduction to Sociology 3 hrs

E: Science Foundations (8 hrs)

1. Physical Sciences 4 hrs
- Required CHM 1032 General Chemistry and 3 hrs
- Required CHM 1032L General Chemistry Laboratory 1 hr

2. Life Sciences 4 hrs
- Required BSC 2010C Biology I 4 hrs

2. Common Program Prerequisites (CPP) (22 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information and possible substitutions.
- Some of these courses have prerequisites that must be taken first.
- Students should consult with an advisor in the College of Nursing for clarification of questions regarding prerequisite requirements.
UCF Degree Programs

- 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

CHM 1032  General Chemistry  GEP
CHM 1032L  General Chemistry Laboratory  1 hr
HUN 3011  Human Nutrition  3 hrs
MCB 2004C  Microbiology for Health Professionals  4 hrs
PCB 3703C  Human Physiology  4 hrs
PSY 2012  General Psychology  GEP
SYG 2000  Introduction to Sociology  2 hrs
ZOO 3733C  Human Anatomy  4 hrs

Select 1:
- STA 2014C Principles of Statistics or GEP
- STA 2023 Statistical Methods I

Select 1:
- DEP 2004 Developmental Psychology or 3 hrs
- SOW 3104 Assessing I: Human Development 3 hrs

3. Core Requirements: Basic Level  (0 hrs)
- None

4. Core Requirements: Advanced Level  (62 hrs)
- Any variation from the following must be approved in advance by the College of Nursing.

NUR 3028  Essentials of Nursing Practice  2 hrs
NUR 3028L Essentials of Nursing Practice Lab  1 hr
NUR 3065  Health Assessment Lab  1 hr
NUR 3065L  Health Assessment  2 hrs
NUR 3125  Pathophysiology for Nursing Practice  3 hrs
NUR 3145  Pharmacology for Nursing Practice  3 hrs
NUR 3165  Nursing Research  3 hrs
NUR 3225 Nursing Care of the Adult I  3 hrs
NUR 3225L  Nursing Care of the Adult I: Clinical Practice  2 hrs
NUR 3445  Nursing Care of Families  3 hrs
NUR 3445L  Nursing Care of Families Clinical  2 hrs
NUR 3634 Community Health Nursing  3 hrs
NUR 3634L  Community Health Nursing Clinical  2 hrs
NUR 3755L  Essentials of Nursing Practice Clinical  2 hrs
NUR 3825  The Role of the Professional Nurse  2 hrs
NUR 4227 Nursing Care of the Adult II  4 hrs
NUR 4227L  Nursing Care of the Adult II: Clinical Practice  3 hrs
NUR 4257  Introduction to Critical Care Nursing  3 hrs
NUR 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
NUR 4828  Nursing Leadership, Management and Role Transition  3 hrs
NUR 4837  Health Care Issues, Policy, and Economics  3 hrs
NUR 4945L  Nursing Practicum  4 hrs

5. Restricted Electives  (3 hrs)

Nursing Electives
- One College of Nursing elective approved by advisor

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- None

9. Additional Requirements
- To continue in the major, students must:
  - Complete all courses in major with at least a “C” (2.0).
  - Maintain a UCF GPA of 2.5 or above.
  - Maintain a College of Nursing GPA of 2.5 or above.

10. Required Minors
- None

11. Departmental Exit Requirements
- All courses in major must be “C” (2.0) or better.
- The UCF GPA must be 2.5 or above.
- The College of Nursing GPA must be 2.5 or above.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 122

Honors In Major

Honors Option Requires:
- Open to students with a minimum 3.5 GPA in Nursing.
- Completion of a three credit directed readings course.
- Completion of a three credit thesis course.
- Must earn a minimum cumulative UCF 3.2 GPA.
- Completion of 60 semester hours of college credit, including 12 graded upper division hours at UCF.
- Students pursuing a BS degree must meet the University foreign language admission requirements before graduation.

Related Programs
- Health Services Administration
- Social Work

Certificates
- Aging Studies

Related Minors
- Health Sciences
- Health Services Administration
- Psychology

Advising Notes
- None

Transfer Notes
- Lower Division courses taken at community colleges do not substitute for Upper Division courses.
- Nursing courses transferred from private and out-of-state schools must be evaluated for equivalency credit by the undergraduate program coordinator. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- The following substitutions for Common Program Prerequisites are acceptable if taken prior to transferring to UCF:
  - CHM 1032: May substitute any comprehensive college 4 hrs
  - Chemistry course that has a lab.
  - DEP 2004: May substitute any Human Growth & Development across Life Span 3 hrs
  - HUN 3011: May substitute any Human Nutrition course 3 hrs
  - MCB 2004C: May substitute any Microbiology course which has a lab.
  - PCB 3703C: May take Anatomy and Physiology sequence 4 hrs
  - AP I & II.
  - PSY 2012: May substitute any General Psychology course. 3 hrs
  - STA 2014C: May substitute STA2023 or equivalent. 3 hrs
  - SYG 2000: May substitute any Introductory Sociology course. 3 hrs
  - ZOO 3733C: May take Anatomy and Physiology sequence 4 hrs
  - AP I & II.
## Plan of Study

### Freshman Year - Fall
- **1 GEP**
- BSC 2010C - Biology I
- MAC 1105 - College Algebra
- SYG 2000 - Introduction to Sociology

### Freshman Year - Spring
- **1 GEP**
- PSY 2012 - General Psychology
- STA 2023 - Statistical Methods I
- ZOO 3733C - Human Anatomy

### Freshman Year - Summer
- CHM 1032 - General Chemistry
- CHM 1032L - General Chemistry Laboratory

### Sophomore Year - Fall
- **1 GEP**
- PCB 3703C - Human Physiology
- Select 1:
  - DEP 2004 - Developmental Psychology
- SOW 3104 - Assessing I: Human Development

### Sophomore Year - Spring
- **1 GEP**
- GEP
- PCB 3703C - Human Physiology
- Select 1:
  - DEP 2004 - Developmental Psychology
- SOW 3104 - Assessing I: Human Development

### Junior Year - Fall
- UCF General Education Program (36 hrs)
- **1 General Education Course**
- 2 or STA 2014C

### Junior Year - Spring
- MCB 2004C - Microbiology for Health Professionals

### Junior Year - Summer
- HUN 3011 - Human Nutrition
- MCB 2004C - Microbiology for Health Professionals

### Senior Year - Fall
- NUR 3025 - Community Health Nursing Clinical
- NUR 3025L - Community Health Nursing Clinical
- NUR 3135 - Pharmacology for Nursing Practice
- NUR 3135L - Pharmacology for Nursing Practice
- NUR 3145L - Pharmacology for 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 3825 - The Role of the Professional Nurse

### Senior Year - Spring
- NUR 3025 - Community Health Nursing Clinical
- NUR 3025L - Community Health Nursing Clinical
- 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

### Senior Year - Summer
- NUR XXXX - Nursing Elective
- NUR 4065 - Health Assessment Lab
- NUR 4065L - Health Assessment Lab
- NUR 4025 - Introduction to Critical Care Nursing
- NUR 4025L - Introduction to Critical Care Nursing
- NUR 4535L - Psychiatric Mental Health Clinical
- NUR 4535L - Psychiatric Mental Health Clinical

### Equipment Fees
- Part-Time Student: $25 per term
- Full-Time Student: $50 per term

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**UCF Degree Programs**

**Nursing - R.N. to B.S.N. Program (B.S.N.)**

**College of Nursing**

HPA-1, Room: 220  
http://www.nursing.ucf.edu

E-mail: ucfnurse@mail.ucf.edu

Ms. Barbara Lange, RN to BSN Coordinator  
Dr. Linda Hennig, Assoc. Dean Undergraduate  
Dr. Jean Leuner, Dean  
Phone: 407-823-2744

Completion program for individuals who are licensed RNs.  
This program is only available online.  
Students must complete all university-wide graduation requirements (general education, foreign language, CLAS, Gordon Rule, etc.).  
All nursing courses are available online and some courses may be offered face-to-face as well.  
For more information, see http://distrib.ucf.edu/home.

**Admission Requirements**

- Acceptance to the university does not constitute admission to the upper division nursing program.  
  Separate application to the limited access program must be made directly to the College of Nursing.

- All applicants must have: Admission to UCF undergraduate program; graduation from an approved or accredited associate degree or diploma nursing program; current Licensure as an RN (or eligible); progress toward the UCF general education requirements, an AA degree from a Florida Community or State College, or eligible for the Statewide Articulated AS-BSN Program (see AS to BS); completion of all sections of CLAS (or Exempt); and, a minimum overall GPA of 2.5.

- Completion of program prerequisite courses with at least a grade of “C” (2.0) or better in each course.

- Criminal background checks are required for all conditionally admitted or waitlisted students for all undergraduate nursing degrees.  
The results are reviewed as part of the final admission process and may be grounds for denying a student admission to the College of Nursing. Failure to disclose related information on an application may negate the application.

**Degree Requirements**

- Students who change degree programs and select this major must adopt the most current catalog year, including minors.

- Students should consult with a college advisor or community college AA transfer advisor regarding completion of General Education Program requirements.

- Students should consult with an advisor in the College of Nursing Undergraduate Student Services Office for clarification or questions regarding prerequisite requirements.

- The courses designated in sections 1 and 2 below may be taken at a Florida Community or State College or other university.

- A minimum overall GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation in and graduation from the nursing program.

- UCF Residency Requirement: 30 hours.

- The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should be completed in the first 60 hours.

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

   **A:** Communication Foundations (9 hrs)

   **B:** Cultural & Historical Foundations (9 hrs)

   **C:** Mathematical Foundations (6 hrs)

   Required  MAC 1105 - College Algebra

   Select 1:

   Required  STA 2014C - Principles of Statistics or STA 2023 - Statistical Methods I (3 hrs)

   Required  STA 2014C - Principles of Statistics or STA 2023 - Statistical Methods I (3 hrs)

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**UNIVERSITY OF CENTRAL FLORIDA**

285  Undergraduate Catalog 2010-2011
### D: Social Foundations (6 hrs)

<table>
<thead>
<tr>
<th>Select 1:</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required PSY 202</td>
<td>General Psychology or Introduction to Sociology</td>
</tr>
<tr>
<td>Required SYG 2000</td>
<td>Introduction to Sociology</td>
</tr>
</tbody>
</table>

### E: Science Foundations (6 hrs)

<table>
<thead>
<tr>
<th>Required BSC 2010C</th>
<th>Biology I</th>
<th>4 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required CHM 1032</td>
<td>General Chemistry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Required CHM 1032L</td>
<td>General Chemistry Laboratory</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

### 2. Common Program Prerequisites (CPP) (19 hrs)

**See “Common Prerequisites” in the Transfer and Transitions Services section for more information.**

<table>
<thead>
<tr>
<th>Required CHM 1032</th>
<th>General Chemistry</th>
<th>GEP</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 1032L</td>
<td>General Chemistry Laboratory</td>
<td>1 hr</td>
</tr>
<tr>
<td>HUN 3011</td>
<td>Human Nutrition</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MCB 2004C</td>
<td>Microbiology for Health Professionals</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PCB 3703C</td>
<td>Human Physiology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>Required PSY 2012</td>
<td>General Psychology</td>
<td>GEP</td>
</tr>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
<td>GEP</td>
</tr>
<tr>
<td>ZOO 3733C</td>
<td>Human Anatomy</td>
<td>4 hrs</td>
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</table>

### Select 1: (3 hrs)

<table>
<thead>
<tr>
<th>Required STA 2014C</th>
<th>Principles of Statistics</th>
<th>GEP</th>
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</thead>
<tbody>
<tr>
<td>STA 2023</td>
<td>Statistical Methods I</td>
<td>GEP</td>
</tr>
</tbody>
</table>

### Select 1: (3 hrs)

<table>
<thead>
<tr>
<th>Required DEP 2004</th>
<th>Developmental Psychology</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required SOW 3104</td>
<td>Assessing I: Human Development</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 3. Core Requirements: Basic Level (0 hrs)

**None**

### 4. Core Requirements: Advanced Level (51 hrs)

**UCF Core**

<table>
<thead>
<tr>
<th>NUR 3065</th>
<th>Health Assessment</th>
<th>2 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR 3065L</td>
<td>Health Assessment Lab</td>
<td>1 hr</td>
</tr>
<tr>
<td>NUR 3165</td>
<td>Nursing Research</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3634</td>
<td>Community Health Nursing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3805</td>
<td>Dimensions of Professional Nursing Practice</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4604L</td>
<td>Practicum in Community and Public Health</td>
<td>4 hrs</td>
</tr>
<tr>
<td>NUR 4637</td>
<td>Public Health Nursing</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 4637L</td>
<td>Public Health Nursing Clinical</td>
<td>1 hr</td>
</tr>
<tr>
<td>NUR 4828</td>
<td>Nursing Leadership, Management and Role Transition</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4837</td>
<td>Health Care Issues, Policy, and Economics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Upper Division Credit**

| NUR 3028 | Essentials of Nursing Practice | 2 hrs |
| NUR 3028L | Essentials of Nursing Practice Lab | 1 hr |
| NUR 3225 | Nursing Care of the Adult I | 3 hrs |
| NUR 3225L | Nursing Care of the Adult I: Clinical Practice | 2 hrs |
| NUR 3445 | Nursing Care of Families | 3 hrs |
| NUR 3445L | Nursing Care of Families Clinical | 2 hrs |
| NUR 3755L | Essentials of Nursing Practice Clinical | 2 hrs |
| NUR 4227 | Nursing Care of the Adult II | 4 hrs |
| NUR 4227L | Nursing Care of the Adult II: Clinical Practice | 3 hrs |
| NUR 4535 | Psychiatric Mental Health Nursing | 3 hrs |
| NUR 4535L | Psychiatric Mental Health Clinical | 2 hrs |

### 5. Restricted Electives (6 hrs)

- 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 graduation.

**Graduation**

- None

### 8. Electives

- variable to meet degree requirements

### 9. Additional Requirements

**Progression Requirements:**

- Prior to NUR 3805: RN status or eligible to take NCLEX.
- Prior to NUR 3165: Complete NUR 3805 and Statistics course with grade of “C” (2.0) or better.
- Prior to NUR 3634 Community Health Nursing: 1) 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

**Take all of the following:**

- Admission to the nursing program
- Complete general education requirements and prerequisites or AA from a Florida public community college or state university system (SUS).
- 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.

### 10. Required Minors

- None

### 11. Departmental Exit Requirements

- Completion of all courses in major with a grade of “C” (2.0) or better
- Overall cumulative GPA of 2.5 or above
- College of Nursing GPA of 2.5 or above

### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required

- 120

**Honors in Major**

- None

**Related Programs**

- Health Services Administration
- Social Work

**Certificates**

- Aging Studies
Related Minors
■ Health Sciences
■ Health Services Administration
■ Psychology

Advising Notes
■ None

Transfer Notes
■ None

Acceptable Substitutes for Transfer Courses
■ None

Plan of Study (30 hrs)
■ assuming general education, foreign language, and nursing prerequisites are complete

Junior Year - Fall
NUR 3065  Health Assessment  2 hrs
NUR 3065L  Health Assessment Lab  1 hr
NUR 3805  Dimensions of Professional Nursing Practice  3 hrs

Junior Year - Summer
NUR 4837  Health Care Issues, Policy, and Economics  3 hrs
NUR XXXX  Nursing Elective  3 hrs

Senior Year - Fall
NUR 4828  Nursing Leadership, Management and Role Transition  3 hrs
NUR XXXX  Nursing Elective  3 hrs

Senior Year - Spring
NUR 4604L  Practicum in Community and Public Health Nursing for RNs  4 hrs
NUR 4637  Public Health Nursing  2 hrs

Program Academic Learning Compacts
■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oecs.ucf.edu/alic/academic_learning_compacts.htm

Equipment Fees
■ Part-Time Student: $25 per term
■ Full-Time Student: $50 per term

Nursing - SCC/UCF ASN to BSN enrollment option (B.S.N.)
College of Nursing
HPA-1, Room: 220
http://www.nursing.ucf.edu/
E-mail: ucfnurse@mail.ucf.edu
Ms. Susan Ricci
Phone: 407-404-6088

A partnership between Seminole State College of Florida (SSC) and UCF College of Nursing to allow qualified Associate of Science in Nursing (ASN) students to enter the RN to BSN program while completing the ASN at SCC. 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 Seminole State College Nursing Program are eligible for this SSC/UCF 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 during their first semester of nursing at SSC and must progress according to a designated plan of study.

■ Students not yet admitted to UCF must make application and be accepted by the University. Upon completion of the ASN and successful licensure as a Registered Nurse, students will enroll in remaining UCF nursing upper division courses to complete the BSN.
■ Criminal background checks are required for all conditionally admitted or waitlisted students for all undergraduate nursing degrees. The results are reviewed as part of the final admission process and may be grounds for denying a student admission to the College of Nursing. Failure to disclose related information on an application may negate the application.

At the time of application, students must have:
■ A cumulative GPA of 3.0 or above.
■ Been accepted for enrollment and in good standing at SSC ASN Nursing program.
■ An AA degree from a Florida Community College or have met ALL UCF General Education requirements at time of application.
■ Met UCF Foreign Language admission requirement.
■ Completed pre-requisite coursework for both the UCF and the SCC nursing programs - at time of application.
■ CLAS requirement satisfied.

Degree Requirements
■ Students who change degree programs and select this major must adopt the most current catalog year, including minors.
■ Students should consult with a college advisor or community college A.A. transfer advisor regarding completion of General Education Program requirements.
■ Students should consult with an advisor in the SCC/UCF Concurrent Nursing program for clarification of questions regarding prerequisite requirements.
■ The courses designated in sections 1 and 2 below may be taken at a Florida Community College or other university.
■ A minimum overall GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation in and graduation from the nursing program.
■ UCF Residency Requirement: 30 hours.
■ The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should usually be completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   Prefer  MAC 1105  College Algebra  3 hrs
   Select 1: 3 hrs
   Required  STA 2014C  Principles of Statistics  3 hrs
   Required  STA 2023  Statistical Methods I  3 hrs
   D: Social Foundations (6 hrs)
   Select 1: 3 hrs
   Required  PSY 2012  General Psychology  3 hrs
   Required  SYG 2000  Introduction to Sociology  3 hrs
   Select 1: 3 hrs
   Suggested  ECO 2013  Principles of Macroeconomics  3 hrs
   Suggested  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, but both are required program prerequisites.

   E: Science Foundations (7 hrs)
   Required  BSC 2010C  Biology I  4 hrs
   Required  CHM 1032  General Chemistry  3 hrs
   Required  CHM 1032L  General Chemistry Laboratory  1 hr
   1 Science Foundation is six credit hours for General Education Program. However the nursing program prerequisite requires four CHM credits. To earn this, the student must also take the CHM 1032 lab. This BSC course is needed as a course prerequisite for Anatomy and Physiology and Health Microbiology.
2. Common Program Prerequisites (CPP) (19 hrs)
- Applicants should see a UCF Nursing Advisor for possible course substitutions.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>CHM 1032</td>
<td>General Chemistry</td>
<td>GEP</td>
</tr>
<tr>
<td>CHM 1032L</td>
<td>General Chemistry Laboratory</td>
<td>1 hr</td>
</tr>
<tr>
<td>HUN 3011</td>
<td>Human Nutrition</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MCB 2004C</td>
<td>Microbiology for Health Professionals</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PCB 3703C</td>
<td>Human Physiology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
<td>GEP</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Statistical Methods I</td>
<td>GEP</td>
</tr>
<tr>
<td>STA 2024</td>
<td>Principles of Statistics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ZOO 3733C</td>
<td>Human Anatomy</td>
<td>4 hrs</td>
</tr>
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</table>

3. Core Requirements: Basic Level (0 hrs)
- None

4. Core Requirements: Advanced Level (52 hrs)

Core UCF Requirements 25 hrs

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<thead>
<tr>
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<tr>
<td>NUR 3065</td>
<td>Health Assessment</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3065L</td>
<td>Health Assessment Lab</td>
<td>1 hr</td>
</tr>
<tr>
<td>NUR 3165</td>
<td>Nursing Research</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3634</td>
<td>Community Health Nursing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3805</td>
<td>Dimensions of Professional Nursing Practice</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3806</td>
<td>Professional Socialization Seminar</td>
<td>1 hr</td>
</tr>
<tr>
<td>NUR 4604L</td>
<td>Practicum in Community and Public Health</td>
<td>4 hrs</td>
</tr>
<tr>
<td>NUR 4637</td>
<td>Public Health Nursing</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 4828</td>
<td>Nursing Leadership, Management and Role</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4837</td>
<td>Health Care Issues, Policy, and Economics</td>
<td>3 hrs</td>
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</table>

Upper Division Credit 27 hrs
- May be met by validation

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<tr>
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<td>NUR 3028</td>
<td>Essentials of Nursing Practice</td>
<td>2 hrs</td>
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<tr>
<td>NUR 3028L</td>
<td>Essentials of Nursing Practice Lab</td>
<td>1 hr</td>
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<td>NUR 3225</td>
<td>Nursing Care of the Adult I</td>
<td>3 hrs</td>
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<td>NUR 3225L</td>
<td>Nursing Care of the Adult I: Clinical Practice</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3445</td>
<td>Nursing Care of Families</td>
<td>3 hrs</td>
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<td>NUR 3445L</td>
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</tr>
<tr>
<td>NUR 3755L</td>
<td>Essentials of Nursing Practice Clinical</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 4227</td>
<td>Nursing Care of the Adult II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>NUR 4227L</td>
<td>Nursing Care of the Adult II: Clinical Practice</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4535</td>
<td>Psychiatric Mental Health Nursing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4535L</td>
<td>Psychiatric Mental Health Clinical</td>
<td>2 hrs</td>
</tr>
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</table>

5. Restricted Electives (6 hrs)
- Any two upper division nursing electives 6 hrs

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- variable to meet degree requirements

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Completion of all courses in major with a grade of “C” (2.0) or better
- Overall Cumulative GPA of 2.5 or above
- College of Nursing GPA of 2.5 or above

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Health Services Administration
- Social Work

Certificates
- Aging Studies

Related Minors
- Health Sciences
- Health Services Administration
- Psychology

Advising Notes
- None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (31 hrs)

Sophomore Year - SPRING

<table>
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<tr>
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<tr>
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<td>Dimensions of Professional Nursing Practice</td>
<td>3 hrs</td>
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<td>Professional Socialization Seminar</td>
<td>1 hr</td>
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<td>NUR 4604L</td>
<td>Practicum in Community and Public Health</td>
<td>4 hrs</td>
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Sophomore Year - SUMMER

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<tr>
<td>NUR 3805</td>
<td>Dimensions of Professional Nursing Practice</td>
<td>3 hrs</td>
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Junior Year - FALL

<table>
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<tbody>
<tr>
<td>NUR 3165</td>
<td>Nursing Research</td>
<td>3 hrs</td>
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<tr>
<td>NUR 3634</td>
<td>Community Health Nursing</td>
<td>3 hrs</td>
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Junior Year - SPRING

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Senior Year - SPRING

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<tr>
<td>NUR 4637</td>
<td>Public Health Nursing</td>
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</tr>
<tr>
<td>NUR 4638</td>
<td>Community Health Nursing</td>
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Senior Year - FALL

<table>
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<td>Community Health Nursing</td>
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Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm
Nursing - Accelerated Second Degree B.S.N. Option (B.S.N.)

NOTE: For detailed information, see description of this program in the Accelerated Undergraduate-Graduate Programs section.

Nursing - R.N. to M.S.N. Option (B.S.N.)

NOTE: For detailed information, see description of this program in the Accelerated Undergraduate-Graduate Programs section.

Nursing - A.S. to B.S.N. Track (B.S.N.)

NOTE: For detailed information, see description of this program in the Statewide Articulated AS to BS Programs section.

Philosophy (B.A.)

College of Arts and Humanities
Department of Philosophy, Psychology Building, Room: 220

http://www.philosophy.cah.ucf.edu/
E-mail: philosophy@mail.ucf.edu

Dr. Don Jones
Dr. Jennifer Mundale
Phone: 407-823-2273

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a "C" (2.0) in each required course.
- Co-op or internship credit cannot be used in this major without prior departmental approval.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Philosophy Department.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

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

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 PHI 2010 Introduction to Philosophy 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) (0 hrs)

- None

3. Core Requirements: Basic Level (0 hrs)
HUM 2210 Humanistic Tradition I GEP
HUM 2230 Humanistic Tradition II GEP
PHI 2010 Introduction to Philosophy GEP

4. Core Requirements: Advanced Level (36 hrs)
Core PHI 3083 Research Methods in Philosophy 3 hrs
PHI 4938 Senior Research Seminar 3 hrs

1 To be completed before the end of Junior year as a prerequisite to enrollment in Senior courses.
UCF Degree Programs

PHI 4804 Critical Theory or 3 hrs
PHI 4931 Philosophy in the News or 3 hrs
PHI 4935 Topics in Philosophy of Mind or 3 hrs
PHP 3783 Modernity as a Philosophical Problem or 3 hrs
PHP 3786 Existentialism or 3 hrs
REL 3111 Religion and Philosophy Through Film 3 hrs

5. Restricted Electives (6 hrs)
- Select six hours of approved courses in Philosophy or related areas, subject to approval by Departmental advisor.

6. Capstone Requirements
- None

7. Foreign Language Requirements
Admissions
- Met by graduation requirement.

Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. Majors who are contemplating graduate school should complete two years of a foreign language, preferably one functional in their area of proposed graduate interest.

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Earn a "C" (2.0) or better in each required course.
- Departmental Exit Exam in final semester.
- To avoid delaying graduation, you must request a review of requirements prior to registering for your last term.

Computer Competency met by one of the following: 3 hrs
PHI 4938 Senior Research Seminar or 3 hrs
PHI 4970H Undergraduate Honors Thesis or 1 hr
STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

Complete one of the following: 3 hrs
PHI 4938 Senior Research Seminar or 3 hrs
PHI 4970H Undergraduate Honors Thesis 1 hr

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors in Major
- Students considering graduate school in philosophy are strongly encouraged to take Honors in the Major. Requirements are as follows:

Core Requirements 36 hrs
- Same requirements as for regular majors, but must include the following:
  PHI 2101 Formal Logic I 3 hrs

Upper Division Restricted Electives 6 hrs
- Same as requirement for regular majors

Honors Thesis
PHI 4903H Honors Directed Reading I 1 hr
PHI 4970H Undergraduate Honors Thesis 1 hr

Additional Requirements
- Application and admission through the Philosophy Honors Coordinator and the Burnett Honors College.
- Fulfill University requirements for Honors in the Major.
- Maintain UCF GPA of at least 3.2 and a Philosophy GOA of at least 3.5.
- Successful completion and oral defense of Honors thesis.
- Earn a "B" (3.0) or better in both of the following courses:
  PHI 4903H Honors Directed Reading I 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 2010 Introduction to Philosophy 3 hrs
SPN 1120C Elementary Spanish Language and Civilization I 4 hrs

Freshman Year - Spring 16 hrs
Restricted Elective 3 hrs
ENC 1102 Composition II 3 hrs
HUM 2230 Humanistic Tradition II 3 hrs
SPN 1121C Elementary Spanish Language and Civilization II 4 hrs
STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

Sophomore Year - Fall 15 hrs
GEP 3 hrs
GEP 3 hrs
GEP 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs

Sophomore Year - Spring 15 hrs
GEP 3 hrs
GEP 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
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<thead>
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<tr>
<td>Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:</td>
<td><a href="http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm">http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm</a></td>
</tr>
</tbody>
</table>

**Equipment Fees**<br>Part-Time Student:  
Full-Time Student: |

**Photography (B.S.)**<br>**College of Arts and Humanities**<br>**School of Visual Arts and Design**

Jason Burrell, 386-506-3944

(This program is offered at UCF at the Daytona Beach Campus. Photography is also available as an area of concentration at the Orlando campus as part of the Art-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)**

- 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:

<table>
<thead>
<tr>
<th>Component</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>A: Communication Foundations</td>
<td>(9 hrs)</td>
</tr>
<tr>
<td>- Required ENC 1101 Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>- Required ENC 1102 Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>- SPC 2600 Speech (A.S.)</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1 If not already completed as part of the A.S. degree, after acceptance into the program.

<table>
<thead>
<tr>
<th>Component</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>B: Cultural &amp; Historical Foundations</td>
<td>(6 hrs)</td>
</tr>
<tr>
<td>- Required ARH 2051 History of Western Art II</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1 If not already completed as part of the A.S. degree, after acceptance into the program.

<table>
<thead>
<tr>
<th>Component</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>C: Mathematical Foundations</td>
<td>(6 hrs)</td>
</tr>
<tr>
<td>- If not already completed as part of the A.S. degree, after acceptance into the program.</td>
<td></td>
</tr>
<tr>
<td>- Required MAC 1105 College Algebra or MGF 2106 College Mathematics or MGF 2107 Mathematics for Liberal Arts</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Component</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>D: Social Foundations</td>
<td>(6 hrs)</td>
</tr>
<tr>
<td>- Psychology or Sociology (If not already completed as part of the A.S. degree, after acceptance into the program.)</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Component</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>E: Science Foundations</td>
<td>(6 hrs)</td>
</tr>
<tr>
<td>- Physical Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>- Life Science</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Component</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>2. Common Program Prerequisites (CPP)</td>
<td>(10 hrs)</td>
</tr>
<tr>
<td>- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.</td>
<td></td>
</tr>
<tr>
<td>- ARH 2051 History of Western Art II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>- PGY 3610C Photojournalism I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>- PGY 1403 Fundamentals of Photography</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Component</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>3. Core Requirements: Basic Level</td>
<td>(45 hrs)</td>
</tr>
<tr>
<td>- A.S. Required Courses:</td>
<td></td>
</tr>
<tr>
<td>- (Completed in the A.S. degree program in Photographic Technology, or equivalent coursework)</td>
<td></td>
</tr>
<tr>
<td>- Required ENC 1101 Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>- ENC 2350 Professional Writing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>- PYG 3002 Contemporary Photography</td>
<td>3 hrs</td>
</tr>
<tr>
<td>- PYG 3205C Photographic Lighting Techniques</td>
<td>3 hrs</td>
</tr>
<tr>
<td>- PYG 3276 The Professional Environment</td>
<td>3 hrs</td>
</tr>
<tr>
<td>- PYG 3651C Narrative Editorial Photography</td>
<td>3 hrs</td>
</tr>
<tr>
<td>- PYG 3653C Advanced Editorial Photography</td>
<td>3 hrs</td>
</tr>
<tr>
<td>- PYG 3703C Photography and Web Design</td>
<td>3 hrs</td>
</tr>
<tr>
<td>- PYG 3751C Videography</td>
<td>3 hrs</td>
</tr>
<tr>
<td>- PYG 3821C Advanced Digital Photography</td>
<td>3 hrs</td>
</tr>
<tr>
<td>- PYG 4003 Image, Culture, and Society</td>
<td>3 hrs</td>
</tr>
<tr>
<td>- PYG 4228C Advanced Illustrative Photography</td>
<td>3 hrs</td>
</tr>
<tr>
<td>- PYG 4471 Photography Thesis</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1 Only one of these two courses may be selected

<table>
<thead>
<tr>
<th>Component</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>4. Core Requirements: Advanced Level</td>
<td>(36 hrs)</td>
</tr>
<tr>
<td>- CRW 3011 Creative Writing for Non-Majors</td>
<td>3 hrs</td>
</tr>
<tr>
<td>- ENC 2350 Professional Writing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>- PGY 3002 Contemporary Photography</td>
<td>3 hrs</td>
</tr>
<tr>
<td>- PGY 3205C Photographic Lighting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>- PGY 3276 The Professional Environment</td>
<td>3 hrs</td>
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<tr>
<td>- PGY 3651C Narrative Editorial Photography</td>
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<tr>
<td>- PYG 4471 Photography Thesis</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1 Only one of these two courses may be selected

<table>
<thead>
<tr>
<th>Component</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>5. Restricted Electives</td>
<td>(6 hrs)</td>
</tr>
<tr>
<td>- Select two of the following courses:</td>
<td></td>
</tr>
<tr>
<td>- PGY 3451C Alternative Processes</td>
<td>3 hrs</td>
</tr>
<tr>
<td>- PGY 3480 Museum and Gallery Practices</td>
<td>3 hrs</td>
</tr>
<tr>
<td>- PGY 4472C Photo Visualization</td>
<td>3 hrs</td>
</tr>
<tr>
<td>- PGY 4493C Photography and Art</td>
<td>3 hrs</td>
</tr>
<tr>
<td>- PGY 4941 Internship</td>
<td>3 hrs</td>
</tr>
<tr>
<td>- PGY 4255C Professional Photographic Workshop</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
UCF Degree Programs

6. Capstone Requirements
   • None

7. Foreign Language Requirements

Admissions
   • Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
   • None

8. Electives
   • None

9. Additional Requirements
   • None

10. Required Minors
   • None

11. Departmental Exit Requirements
   • None

12. University Minimum Exit Requirements
   • A 2.0 UCF GPA
   • 60 semester hours earned after CLEP awarded
   • 42 semester hours of upper division credit completed
   • 30 of the last 39 hours of course work must be completed in residency at UCF
   • A 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
   • 127

Honors in Major
   • None

Related Programs
   • None

Certificates
   • None

Related Minors
   • None

Advising Notes
   • None

Transfer Notes
   • Students transferring from any Florida public institution with an A.A. degree or with general education program (GEP) requirements of that institution met have thereby satisfied UCF GEP requirements.
   • Courses taken at community colleges do not substitute for Upper Division courses.
   • Transfer courses must be evaluated for equivalency credit and/or for use in the area by the department. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
   • Acceptable substitutes for General Education and Common Program Prerequisites

Plan of Study
   • None

Program Academic Learning Compacts
   • Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
     http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
   • Part-Time Student: $45 per term
   • Full-Time Student: $90 per term

Physics (B.S.)
College of Sciences
Department of Physics, Math and Physics, Room: 310
http://www.physics.ucf.edu
E-mail: physics@ucf.edu
Dr. Talat Rahman
Phone: 407-823-2325

Physics majors can select from five distinct tracks to earn their physics degree, as described below in Section 4, Specialization. While the various tracks share a common core of courses, they also enable students to prepare specifically for certain career paths. Students should consult their faculty advisors when deciding among these tracks.

Admission Requirements
   • None

Degree Requirements
   • Students who change degree programs and select this major must adopt the most current catalog.
   • Grades below “C” (2.0) in any required physics or mathematics courses are not acceptable; they must be repeated with a higher grade.
   • Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Physics.
   • Physics majors are discouraged from taking courses as a transient student at a community college, except in situations where one semester of a two semester sequence has already been taken at the community college.
   • Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
   • AA transfer students are expected to have completed the following courses before enrolling as a Physics major. These classes are prerequisites for advanced science classes and students entering without these classes will be unable to register for most of the advanced courses.

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2045C</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 2046</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2046L</td>
<td>1 hr</td>
</tr>
<tr>
<td>MAC 2311</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAC 2312</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAC 2313</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PHY 2048C</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PHY 2049C</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

1. UCF General Education Program (GEP)

   • Note: Certain courses must be selected in the GEP for this major which brings the GEP hours above 36.

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>A: Communication</td>
<td>9 hrs</td>
</tr>
<tr>
<td>Foundations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Foundations</td>
<td>6 hrs</td>
</tr>
<tr>
<td>Required</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 1101</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>B: Cultural &amp; Historical</td>
<td>9 hrs</td>
</tr>
<tr>
<td>Foundations</td>
<td>7 hrs</td>
</tr>
<tr>
<td>Required</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 3502C</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 2311</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>D: Social Foundations</td>
<td>6 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>E: Science Foundations</td>
<td>4 hrs</td>
</tr>
<tr>
<td>1. Physical Science</td>
<td>4 hrs</td>
</tr>
<tr>
<td>Required</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PHY 2048C</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>2. Life sciences</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Select from the E.2. GEP</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
### 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
- 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
- PHY 2048C Physics for Engineers & Scientists I 4 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs

Note: These courses are considered equivalent.

- CHM 2045C Chemistry Fundamentals I 4 hrs
  - or - students with little chemistry background should select this sequence.
  - CHM 2040C Chemistry Fundamentals IA and 3 hrs
  - CHM 2041C Chemistry Fundamentals IB 3 hrs

### 3. Core Requirements: Basic Level (36 hrs)

<table>
<thead>
<tr>
<th>Required of all specializations.</th>
<th>MAP 2302</th>
<th>Differential Equations</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>PHY 3101</td>
<td>Physics for Engineers and Scientists III</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>PHY 3220</td>
<td>Mechanics I</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>PHY 3323</td>
<td>Electricity and Magnetism I</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>PHY 3513</td>
<td>Thermal and Statistical Physics</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>PHY 4324</td>
<td>Electricity and Magnetism II</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>PHY 4604</td>
<td>Wave Mechanics I</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>PHY 4605</td>
<td>Wave Mechanics II</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>PHZ 3113</td>
<td>Introduction to Theoretical Methods of Physics</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>PHY 4912</td>
<td>Directed Independent Research (in area of specialization)</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Laboratory requirements 6 hrs
- PHY 3802L Intermediate Physics Laboratory 3 hrs

#### Select 1: 3 hrs
- PHY 3722C Physics Laboratory-Electronics or 3 hrs
- PHY 3752C Physics of Scientific Instruments 3 hrs

### 4. Core Requirements: Advanced Level (0 hrs)

- Select one specialization

#### 4.1. General Physics Specialization 18 hrs
- PHY 4803L Advanced Physics Laboratory 3 hrs

#### Restricted Electives: 6 hrs
- Select from upper division PHY, PHZ, or AST courses 6 hrs

#### Directed Electives: 9 hrs
- Select courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Chemistry, Computer Science, or Engineering.

#### 4.2. Materials Physics Specialization 18 hrs

| Select 1: | EEE 5356C Fabrication of Solid-State Devices or | 3 hrs |
|          | PHY 4803L Advanced Physics Laboratory | 3 hrs |

| Select 3: | CHM 3411L Physical Chemistry Laboratory or | 2 hrs |
|          | EEE 3350 Semiconductor Devices I or | 3 hrs |
|          | EEE 5352 Semiconductor Material and Device Characterization or | 3 hrs |
|          | EGN 3365 Structure and Properties of Materials or | 3 hrs |
|          | EMA 4413 Fundamentals of Electronic Materials or | 3 hrs |
|          | PHZ 5405 Condensed Matter Physics | 3 hrs |

#### Directed Electives: 6 hrs
- Select courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Chemistry, Computer Science, or Engineering.

#### 4.3. Optics and Lasers Specialization 18 hrs

| Select 2: | PHY 4424 Optics | 3 hrs |
|          | EEL 4440 Optical Engineering or | 3 hrs |
|          | OSE 5203 Geometrical Optics and Imaging Systems or | 3 hrs |
|          | OSE 5312 Light Matter Interaction or | 3 hrs |
|          | OSE 5414 Fundamentals of Optoelectronic Devices or | 3 hrs |
|          | PHY 4445 Lasers | 3 hrs |

### 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
- COP 3502C Computer Science I 3 hrs
- COP 3503C Computer Science II 4 hrs
- COT 4500 Numerical Calculus 3 hrs
- PHZ 3151 Computer Methods in Physics 3 hrs

#### 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 3 hrs
- AST 3722C Techniques of Observational Astronomy 3 hrs

#### Select 2: 6 hrs
- AST 3110 Solar System Astronomy or 3 hrs
- AST 3211 Stellar Astrophysics or 3 hrs
- AST 3402 Galaxies and Cosmology 3 hrs

#### Directed Electives: 6 hrs
- Select courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Chemistry, Computer Science, or Engineering.

### 5. Restricted Electives (0 hrs)
- None

### 6. Capstone Requirements
- None

### 7. Foreign Language Requirements

#### Admissions
- Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

#### Graduation
- None

### 8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

### 9. Additional Requirements
- None

### 10. Required Minors
- None

### 11. Departmental Exit Requirements
- Students must have at least a 2.0 GPA in all courses counted toward the major
- Students will be required to take a nationally normed test in Physics during their last semester
- Students will have an exit interview in their last semester with a representative of the Physics Undergraduate Committee
- Before applying to graduate, the CLAS must be completely satisfied.
- Computer Competency met by the following or a departmental exam.

| COP 3223 | Introduction to Programming with C | 3 hrs |

### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residence at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)
### UCF Degree Programs

**Total Semester Hours Required**
- 120

**Honors In Major**
- None

**Related Programs**
- Electrical Engineering
- Mathematics - Applied Track
- Mathematics - Engineering/Physics Track
- Mathematics - Pure Track
- Mechanical Engineering

**Certificates**
- None

**Related Minors**
- Astronomy
- Mathematics
- Physics

**Advising Notes**
- None

**Transfer Notes**
- Lower Division courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

**Acceptable Substitutes for Transfer Courses**
- The following substitutions for common program prerequisites are acceptable if taken prior to transferring to UCF:
  - CHM 2040C plus CHM 1041 or CHEM 2040C plus CHEM 2041C

**Plan of Study**
- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Prior to enrolling in Chemistry, take Chemistry Placement Test at http://chemplacement.sdes.ucf.edu/
- Prior to enrolling in Math, take Math Placement Test at http://mathplacement.sdes.ucf.edu/

### Freshman Year - Fall
- **14 hrs**
  - GEP
    - 3 hrs
  - CHM 2045C: Chemistry Fundamentals I 3 hrs
  - MAC 2311: Calculus with Analytic Geometry I 4 hrs

### Freshman Year - Spring
- **15 hrs**
  - GEP
    - 3 hrs
  - CHM 2046: Chemistry Fundamentals II 3 hrs
  - CHM 2046L: Chemistry Fundamentals Laboratory 1 hr
  - MAC 2312: Calculus with Analytic Geometry II 4 hrs
  - PHY 2048C: Physics for Engineers & Scientists I 4 hrs

### Sophomore Year - Fall
- **17 hrs**
  - GEP
    - 3 hrs
  - COP 3502C: Computer Science I 3 hrs
  - MAC 2313: Calculus with Analytic Geometry III 4 hrs
  - PHY 2049C: Physics for Engineers & Scientists II 4 hrs

### Sophomore Year - Spring
- **15 hrs**
  - GEP
    - 3 hrs
  - MAP 2302: Differential Equations 3 hrs
  - PHYS 3101: Physics for Engineers and Scientists III 3 hrs
  - PHYS 3113: Introduction to Theoretical Methods of Physics 3 hrs

### Junior Year - Fall
- **15 hrs**
  - Core Course
    - 3 hrs
  - Restricted Elective
    - 3 hrs
  - PHYS 3323: Electricity and Magnetism I 3 hrs
  - PHYS 3513: Thermal and Statistical Physics 3 hrs
  - PHYS 3802L: Intermediate Physics Laboratory 3 hrs

### Senior Year - Fall
- **15 hrs**
  - GEP
    - 3 hrs
  - Restricted Elective
    - 3 hrs
  - Restricted Elective
    - 3 hrs
  - PHY 4604: Wave Mechanics I 3 hrs
  - PHY 4912: Independent Research 3 hrs

### Senior Year - Spring
- **14 hrs**
  - GEP
    - 3 hrs
  - Restricted Elective
    - 3 hrs
  - Free Elective
    - 2 hrs
  - Free Elective
    - 3 hrs
  - PHY 4605: Wave Mechanics II 3 hrs
  - Physics Test-Nationally normed

**Program Academic Learning Compacts**
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

**Equipment Fees**
- Part-Time Student: $12.40 per term
- Full-Time Student: $24.80 per term

### Political Science (B.A.)

**College of Sciences**

**Department of Political Science, Howard Phillips Hall,**

**Room: 302**

http://www.cos.ucf.edu/politicalscience

**E-mail: politics@ucf.edu**

Dr. Roger Handberg
Phone: 407-823-2608

**Admission Requirements**
- None

**Degree Requirements**
- Students who change degree programs and select this major must adopt the most current catalog
- Co-op or internship credit cannot be used in this major without prior departmental approval
- Students should consult with a departmental advisor
- Departmental Residency Requirement consists of at least 21 semester hours of regularly scheduled courses taken from the UCF Department of Political Science
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

**Double major/dual degree policy in Political Science programs and minors**
- 1. Students who double major/degree in any Political Science track and International and Global Studies shall not count more than two courses toward both programs, except the following:
  - POS 2041: American National Government 3 hrs
  - POS 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)
- Prefer MGF 1106 Finite Mathematics 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.

D: Social Foundations (6 hrs)
- Required POS 2041 American National Government 3 hrs
- Select from GEP D.1 list 3 hrs

E: Science Foundations (6 hrs)
- Prefer STA 1060C Basic Statistics Using Microsoft Excel or 3 hrs
- Prefer STA 2014C Principles of Statistics or 3 hrs
- You may substitute a higher level stats course.

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 (0 hrs)
- POS 2041 American National Government GEP/CPP

4. Core Requirements: Advanced Level (0 hrs)
- 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 (0 hr)
- POS 3076 American Indian Politics or 3 hrs
- POS 3122 State Government and Public Policy or 3 hrs
- POS 3173 Southern Politics or 3 hrs
- POS 3182 Florida Politics or 3 hrs
- POS 3233 Public Opinion or 3 hrs
- POS 3235 Mass Media and Politics or 3 hrs
- POS 3258 Politics in Film or 3 hrs
- POS 3273 Voting and Elections or 3 hrs
- POS 3314 The American Presidency or 3 hrs
- POS 3342 Congress and the Legislative Process or 3 hrs
- POS 3443 Political Parties and Processes or 3 hrs
- POS 3463 Interest Groups or 3 hrs
- POS 3627 Cultural Pluralism and Law or 3 hrs
- POS 4074 Latino Politics or 3 hrs
- POS 4142 Metropolitan Politics or 3 hrs
- POS 4204 Political Behavior or 3 hrs
- POS 4246 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 Professional Scientist or 3 hrs
- PUP 3303 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 4204 Sustainability or 3 hrs
- PUP 4209 Urban Environmental Policy or 3 hrs
- PUP 4323 Women and Public Policy or 3 hrs
- PUP 4404 Education and Politics or 3 hrs
- PUP 4503 Government and Science or 3 hrs
- PUP 4602 Politics of Health or 3 hrs
- PUP 4744 Government and Business or 3 hrs
- PUP 4931 Topics in Public Policy or 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 4047 Politics of the NAFTA Region or 3 hrs
- CPO 4062 Comparative Judicial Process or 3 hrs
- CPO 4074 Political Economy or 3 hrs
- CPO 4101 Politics of the European Union or 3 hrs
- CPO 4123 Government and Politics of Great Britain or 3 hrs
- CPO 4303 Comparative Latin American Politics or 3 hrs
- CPO 4445 Comparative Political Parties or 3 hrs
- CPO 4514 Politics of East Asia or 3 hrs
- CPO 4553 Politics of Japan or 3 hrs
- CPO 4643 Government and Politics of Russia or 3 hrs
- CPO 4710 Women in Comparative Politics or 3 hrs
- CPO 4754 Comparative Political Institutions or 3 hrs
- CPO 4784 Political and Economic Inequality in Comparative Perspective or 3 hrs
- CPO 4794 Indigenous Politics and the Environment or 3 hrs
- GEO 3471 World Political Geography or 3 hrs
- IDS 4315 Global Perspectives or 3 hrs
- INR 2002 International Relations-Theory and Practice or 3 hrs
- INR 3016 Global Political Issues or 3 hrs
- INR 3250 Politics of Pan-Africanism or 3 hrs
- INR 3253 International Politics of Africa or 3 hrs
- INR 4011 Politics of Globalization or 3 hrs
- INR 4030 Diplomacy or 3 hrs
- INR 4035 International Political Economy or 3 hrs
- INR 4054 Global Politics of Energy or 3 hrs
- INR 4060 Causes of War or 3 hrs
- INR 4064 Changing Nature of War or 3 hrs
- INR 4074 Immigration Policy or 3 hrs
- INR 4075 Human Rights Policy or 3 hrs
- INR 4076 Global Drug Policy or 3 hrs
- INR 4084 Politics of International Terrorism or 3 hrs
INR 4085  Women, Gender, and Globalization or
INR 4102  American Foreign Policy or
INR 4104  Topics and Cases in American Foreign Policy or
INR 4114  American Security Policy or
INR 4115  Strategic Weapons and Arms Control or
INR 4224  Contemporary International Politics of Asia or
INR 4225  The Vietnam War or
INR 4243  International Politics of Latin America or
INR 4304  Issues in International Public Policy or
INR 4335  Coercion in International Politics or
INR 4350  Global Environmental Politics or
INR 4351  International Environmental Law or
INR 4364  The Intelligence Community or
INR 4401  International Law I or
INR 4402  International Law II or
INR 4404  Space Law or
INR 4502  International Organizations or
INR 4603  International Relations Theory or
INR 4714  Politics of International Trade Policy or
POS 3253  Contemporary Revolution and Political Violence or
PUP 3014  Comparative Public Policy or
PUP 3508  Space Studies or
PUP 4510  Space Policy

C. Political Theory Area 6 hrs
INR 4603  International Relations Theory or
POS 4006  Political Psychology or
POT 3204  American Political Thought or
POT 3302  Modern Political Ideologies or
POT 4003  Political Theory or
POT 4025  Ancient, Medieval and Early Modern Political Philosophy or
POT 4054  Modern Political Philosophy or
POT 4066  Contemporary Political Theory or
POT 4109  Politics and Literature or
POT 4305  The State, Society, and the Individual or
POT 4314  Contemporary Democratic Theory or
POT 4331  Utopia/Dystopia or
POT 4346  Pan-Africanist Thought or
POT 4414  Marxist Political Theory or
POT 4632  Religion and Politics

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.
Computer Competency met by the following:
POS 3703  Scope and Methods of Political Science 3 hrs

12. University Minimum Exit Requirements
A 2.0 UCF GPA
60 semester hours earned after CLEP awarded
48 semester hours of upper division credit completed
30 of the last 39 hours of course work must be completed in residency at UCF
A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
120

Honors In Major
Interested students who meet the requirements are encouraged to participate in the HIM program. Contact the department for information about the program and the HIM coordinator.

Related Programs
Economics
History

Certificates
Diplomacy

Related Minors
Economics
History
Philosophy
Psychology
Sociology

Advising Notes
None

Transfer Notes
Lower division courses taken at community colleges do not substitute for Upper Division courses.
Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
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 must still 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
GEP
3 hrs
GEP
3 hrs
AMH 2010  U.S. History: 1492-1877
3 hrs
ENC 1101  Composition I
3 hrs
POS 2041  American National Government
3 hrs
Freshman Year - Spring  
15 hrs  
GEP  3 hrs  
GEP  3 hrs  
GEP  3 hrs  
AMH 2020  U.S. History: 1877-Present  3 hrs  
ENC 1102  Composition II  3 hrs  

Sophomore Year - Fall  
16 hrs  
Restricted Elective  3 hrs  
GEP  3 hrs  
Free Elective  3 hrs  
Restricted Elective  3 hrs  
Foreign Language  4 hrs  
GEP  3 hrs  
POS 3703  Scope and Methods of Political Science  3 hrs  

Junior Year - Fall  
15 hrs  
Restricted Elective  3 hrs  
Restricted Elective  3 hrs  
Free Elective  3 hrs  
Free Elective  3 hrs  
Free Elective  3 hrs  

Junior Year - Spring  
15 hrs  
Restricted Elective  3 hrs  
Free Elective  3 hrs  
Free Elective  3 hrs  
Free Elective  3 hrs  
Free Elective  3 hrs  

Senior Year - Fall  
15 hrs  
Restricted Elective  3 hrs  
Restricted Elective  3 hrs  
Free Elective  3 hrs  
Free Elective  3 hrs  
Free Elective  3 hrs  

Senior Year - Spring  
15 hrs  
Restricted Elective  3 hrs  
Free 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.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  
Phone: 407-823-2608  

While no specific major is prescribed for admission to law school, many prelaw students elect to major in political science. These individuals usually choose the prelaw emphasis within the political science major.  

Prelaw students are encouraged to work closely with a prelaw advisor in planning their programs. By judicious use of electives, students build a firm foundation for law school entry and acquire a broad training which can result in career options upon graduation. For further information, consult one of the Department’s prelaw advisors or the College of Arts and Sciences Prelaw Advisor.  

The following represent a suggested curriculum which both meets the requirements for a Political Science Degree while preparing you for professional school.  

Admission Requirements  
- None  

Degree Requirements  
- Students who change degree programs and select this major must adopt the most current catalog.  
- Co-op or internship credit cannot be used in this major without prior departmental approval  
- Students should consult with a departmental advisor  
- Departmental Residency Requirement consists of at least 21 semester hours of regularly scheduled courses taken from the UCF Department of Political Science  
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours  

Double major/dual degree policy in Political Science programs and minors  
- 1. Students who double major/degree in any Political Science track and International and Global Studies shall not count more than two courses toward both programs, except the following courses:  
  - POS 2041  American National Government  3 hrs  
  - POS 3703  Scope and Methods of Political Science  3 hrs  
- 2. Students who major in any Political Science track, and minor in International and Global Studies, shall not count more than one course toward both programs.  

1. UCF General Education Program (GEP)  (36 hrs)  
A: Communication Foundations  (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 a course from GEP B.2 list  3 hrs  
C: Mathematical Foundations  (6 hrs)  
Math:  3 hrs  
Prefer  MGF 1106  Finite Mathematics or  3 hrs  
Prefer  MGF 1107  Explorations in Mathematics or  3 hrs  
You may substitute a higher level math with appropriate scores on the Math Placement Test.  
Statistics:  3 hrs  
Prefer  STA 1060C  Basic Statistics Using Microsoft Excel or  3 hrs  
Prefer  STA 2014C  Principles of Statistics or  3 hrs  
You may substitute a higher level statistics course.  3 hrs  
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  3 hrs  
  - POS 3703  Scope and Methods of Political Science  3 hrs  

3. Core Requirements: Basic Level  (0 hrs)  
- POS 2041  American National Government  3 hrs  
- GEP/CPP
UCF Degree Programs

4. Core Requirements: Advanced Level
   - POS 3703 Scope and Methods of Political Science (3 hrs)
   - POS 4284 Judicial Process and Politics (3 hrs)

5. Restricted Electives
   - Select one of the following four courses:
     - INR 4401 International Law I (3 hrs)
     - INR 4402 International Law II (3 hrs)
     - POS 4603 American Constitutional Law (3 hrs)
     - POS 4604 American Constitutional Law II (3 hrs)
   - And, select one of the following two options:
     - Five courses from area A (15 hrs)
       - Two courses from area B (6 hrs)
       - One course from area C (3 hrs)
     - Two courses from area A (6 hrs)
       - Five courses from area B (15 hrs)
       - One course from area C (3 hrs)
      
6. Capstone Requirements
   - None

7. Foreign Language Requirements
   - None

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 4 hrs
     - ENC 3241 Writing for the Technical Professional 3 hrs
     - ENC 3250 Professional Writing 3 hrs
     - MHF 3302 Logic and Proof in Mathematics 3 hrs
     - PHI 2101 Formal Logic I 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.
    - Computer Competency met by the following:
      - POS 3703 Scope and Methods of Political Science 3 hrs

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF

- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors in Major
- Interested students who meet the requirements are encouraged to participate in the HIM program. Contact the department for information about the program and the HIM coordinator.

Related programs
- Criminal Justice
- Economics
- History
- Legal Studies
- Philosophy

Certificates
- Diplomacy

Related Minors
- Criminal Justice
- Economics
- English - Creative Writing
- History
- Legal Studies
- Philosophy

Advising Notes
- None

Transfer Notes
- Lower division courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- The following substitutions for common program prerequisites are acceptable if taken prior to transferring to UCF:
  - POS 2041: any three hours of introductory Political Science classes will satisfy the CPP. However since this course is required in the core of the major and is a prerequisite to subsequent courses, it must still 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**
- Freshman Year - Fall 15 hrs
  - GEP 3 hrs
  - GEH 3 hrs
  - AMH 2010 U.S. History: 1492-1877 3 hrs
  - ENC 1101 Composition I 3 hrs
  - POS 2041 American National Government 3 hrs

**Freshman Year - Spring**
- Freshman Year - Spring 15 hrs
  - GEP 3 hrs
  - GEH 3 hrs
  - AMH 2020 U.S. History: 1877-Present 3 hrs
  - ENC 1102 Composition II 3 hrs
  - STA 2014C Principles of Statistics 3 hrs

**Sophomore Year - Fall**
- Sophomore Year - Fall 16 hrs
  - GEP 3 hrs
  - Restricted Elective 3 hrs
  - Supporting Elective 3 hrs
  - Foreign Language 4 hrs
  - Supporting Elective 3 hrs

- 120
Sophomore Year - Spring 16 hrs
GEP 3 hrs
Restricted Elective 3 hrs
Supporting Elective 3 hrs
Foreign Language 4 hrs
POS 3703 Scope and Methods of Political Science 3 hrs

Junior Year - Fall 15 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Supporting Elective 3 hrs
Supporting Elective 3 hrs
POS 4284 Judicial Process and Politics 3 hrs

Junior Year - Spring 14 hrs
Restricted Elective 3 hrs
Supporting Elective 4 hrs
Supporting Elective 4 hrs
Supporting Elective 3 hrs

Senior Year - Fall 15 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Supporting Elective 3 hrs
Supporting Elective 3 hrs
Supporting Elective 3 hrs

Senior Year - Spring 14 hrs
Supporting Elective 3 hrs
Supporting Elective 3 hrs
Supporting Elective 4 hrs
Supporting Elective 4 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Psychology (B.S.)
College of Sciences
Department of Psychology, Psychology Building, Room: 301
http://www.psych.ucf.edu/
E-mail: psychadvising@mail.ucf.edu
Phone: 407-823-2216
Contact: Psychology Advising Center, PSY 250, 407-823-2219;

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog
- Departmental Residency Requirement: at least 21 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Psychology Department.
- Students must earn at least a "C" (2.0) in each course counted toward the core requirements, restricted electives, and diversity courses
- Co-op or internship credit cannot be used in this major without prior approval
- Students should consult with the Department Director of Undergraduate Advising, prior to applying for graduation (before registration for the final term).
- Graduating seniors should complete the senior exit survey
- Additional requirements exist for students pursuing the Honors in the major program.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
   - Note: Certain courses may be selected in the GEP for this major bringing the total GEP hours to more than 36. See Transfer Notes for possible substitutions.
   - A: Communication Foundations (9 hrs)
   - B: Cultural & Historical Foundations (9 hrs)
   - C: Mathematical Foundations (6 hrs)
   - Math: 3 hrs
     - You may substitute a higher level math with appropriate scores on the Math Placement Test.
   - Statistics:
     - Required STA 2014C Principles of Statistics or STA 2023 Statistical Methods I 3 hrs
     - Required STA 2023 Statistical Methods I 3 hrs
   - D: Social Foundations (6 hrs)
     - Social Sciences:
       - Required PSY 2012 General Psychology 3 hrs
     - Political Science/Economics
       - Select one of the listed choices 3 hrs
   - E: Science Foundations (6 hrs)
     - Biology: Select the advanced option if additional biology courses are planned.
       - Required BSC 1005 Biological Principles or BSC 2010C Biology I 3 hrs
       - Required BSC 2010C Biology I 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.
   - DEP 2004 Developmental Psychology 3 hrs
   - PSY 2012 General Psychology GEP
   - Biology: 0 hr
     - Select the advanced course if additional biology courses are planned.
     - Required BSC 1005 Biological Principles or BSC 2010C Biology I GEP
     - Statistics:
       - Required STA 2014C Principles of Statistics or STA 2023 Statistical Methods I GEP
   - 3. Core Requirements: Basic Level (0 hrs)
   - Lower Level Core Requirements
     - PSY 2012 General Psychology GEP
   - Biology: 0 hr
     - Required BSC 1005 Biological Principles or BSC 2010C Biology I GEP
   - Statistics:
     - Required STA 2014C Principles of Statistics or STA 2023 Statistical Methods I GEP
   - 4. Core Requirements: Advanced Level (15 hrs)
     - PSB 3002 Physiological Psychology 3 hrs
     - PSY 3204C Statistical Methods in Psychology 4 hrs
     - PSY 3213C Research Methods in Psychology 5 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 3204C Perception or EXP 3404 Basic Learning Processes or EXP 3604 Cognitive Psychology or PSB 4240C Neuropsychology or PSY 3703 Psychology of Language or PSY 4215C Advanced Research Methods in Psychology 4 hrs

UCF Degree Programs
B. Personality/Social: Select one of the following: 3 hrs
- PPE 3003 Personality Theory or 3 hrs
- SOP 3004 Social Psychology 3 hrs

C. Developmental: Select one of the following: 3 hrs
- DEP 2004 Developmental Psychology or 3 hrs
- DEP 3202 Psychology of Exceptional Children or 3 hrs
- DEP 3464 Psychology of Aging 3 hrs

D. Diversity: Select one of the following: 3 hrs
- CLP 3184 Women’s Mental Health or 3 hrs
- SOP 3723 Cross Cultural Psychology or 3 hrs
- SOP 3724 Psychology of Prejudice or 3 hrs
- SOP 3742 Psychology of Women or 3 hrs
- SOP 3784 Psychology of Diversity 3 hrs

E. 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 3004 Industrial/Organizational Psychology 3 hrs

F. Psychology Electives 9 hrs
- 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 3951 Undergraduate Field Work or 1 hr
  - PSY 4906 Directed Independent Study or 1 hr
  - PSY 4912 Directed Independent Research 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
  - BSC 1050 Biology and Environment or 3 hrs
  - BSC 2011C Biology II or 4 hrs
  - BSC 4312C Marine Biology or 4 hrs
  - CHM 1020 Concepts in Chemistry or 3 hrs
  - COP 3223 Introduction to Programming with 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 3063 Genetics or 3 hrs
  - PCB 3703C Human Physiology or 4 hrs
  - PHY 2053C College Physics I or 4 hrs
  - PSC 1121 Physical Science or 3 hrs
  - STA 4102 Computer Processing of Statistical Data or 3 hrs
  - STA 4183 Statistical Methods II or 3 hrs
  - STA 4184 Statistical Methods III or 3 hrs
  - ENV XXX Any ENV prefix course or 3 hrs
  - GEO XXX Any GEO prefix course or 3 hrs
  - MCB XXX Any MCB prefix course or 3 hrs
  - ZOO XXX 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.
- Computer Competency met by the following:
  - PSY 3213C Research Methods in Psychology 5 hrs

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major

Additional Requirements: 6 hrs
- The Honors in Psychology is available to majors who show outstanding scholarship and promise in psychology.
- Apply and be accepted into the program through the department.
- Fulfill University requirements for Honors in the Major.
- Earn an overall UCF GPA above 3.2.
- All grades in Psychology courses must be a “B” (3.0) or higher.
- Have a Psychology GPA above 3.5, based on at least 11 credits, including the following course.
  - PSY 3213C Research Methods in Psychology 5 hrs
  - PSY 4903H Honors Directed Reading I 3 hrs
  - PSY 4970H Undergraduate Honors Thesis 3 hrs

Related Programs
- Anthropology
- Criminal Justice
- Sociology
- Statistics

Certificates
- Behavioral Forensics

Related Minors
- Anthropology
- Mathematics
- Psychology
- Sociology
- Statistics

Advising Notes
- Visit the Psychology Advising Center (PSY 250); walk-in advising available M, T, R, F from 9 to 5.

Transfer Notes
- Lower division courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
Acceptable Substitutes for Transfer Courses
- The following substitutions for common program prerequisites are acceptable if taken prior to transferring to UCF:
- Biology: any lower level BSC course or ZOO X010 will satisfy the CPP. However, the course is required in the core and 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 5C, students are advised to select it to satisfy their CPP.

Plan of Study
- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

Freshman Year - Fall 15 hrs
- GEP 3 hrs
- GEP 3 hrs
- ENC 1101 Composition I 3 hrs
- PSY 2012 General Psychology 3 hrs
- Math 3 hrs

Freshman Year - Spring 15 hrs
- GEP 3 hrs
- Elective / Minor 3 hrs
- ENC 1102 Composition II 3 hrs
- Biology 3 hrs
- Statistics 3 hrs

Sophomore Year - Fall 16 hrs
- Restricted Elective 3 hrs
- GEP 3 hrs
- Foreign Language 4 hrs
- DEP 2004 Developmental Psychology 3 hrs

Sophomore Year - Spring 14 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Foreign Language 4 hrs
- GEP 3 hrs

Junior Year - Fall 16 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Elective / Minor 3 hrs
- PSB 3002 Physiological Psychology 3 hrs
- PSY 3204C Statistical Methods in Psychology 3 hrs

Junior Year - Spring 14 hrs
- Elective / Minor 3 hrs
- Restricted Elective 3 hrs
- PSY 3213 Research Methods in Psychology 5 hrs

Senior Year - Fall 15 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs

Senior Year - Spring 15 hrs
- Elective / Minor 3 hrs
- Restricted Elective 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
- PSY 4604 History and Systems of Psychology 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $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.cohipa.ucf.edu/pubadpm/
Dr. Michael Abels, pa/ba/bps@mail.ucf.edu
Phone: 407-823-2604

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog
- Students should complete the General Education Program and the Common Program Prerequisites before transferring within the Florida Public University/Community College System.
- Students should consult with a departmental advisor on a regular basis.
- The courses designated in sections 1 and 2 below may be taken at a Florida community college and should usually be completed in the first 60 hours
- Students must earn at least a "C" (2.0) in each course accepted as a common program prerequisite and Core Requirement (see sections 2 and 3 below).
- No transfer course will be accepted with a grade lower than a "C" (2.0)
- The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should usually be completed in the first 60 hours

1. UCF General Education Program (GEP) (36 hrs)
   - A: Communication Foundations (9 hrs)
     Suggested SPC 1608 Fundamentals of Oral Communication 3 hrs
   - B: Cultural & Historical Foundations (9 hrs)
   - C: Mathematical Foundations (6 hrs)
     Required CGS 1060C Introduction to Computer Science 3 hrs
   - Select 1: 3 hrs
     Suggested MAC 1105 College Algebra or 3 hrs
     Suggested MGF 1116 Finite Mathematics or 3 hrs
     Suggested MGF 1117 Explorations in Mathematics 3 hrs
   - D: Social Foundations (6 hrs)
     Suggested POS 2041 American National Government 3 hrs
   - Select 1: 3 hrs
     Suggested ANT 2000 General Anthropology or 3 hrs
     Suggested PSY 2012 General Psychology or 3 hrs
     Suggested SYG 2000 Introduction to Sociology 3 hrs

2. Common Program Prerequisites (CPP) (3 hrs)
- See “Common Prerequisites” in the Transfer and Transition Services section

3. Core Requirements: Basic Level (0 hrs)
- None

4. Core Requirements: Advanced Level (21 hrs)
- PAD 3003 Public Administration in American Society 3 hrs
- PAD 3733 Professional Administrative Writing in the Public Sector 3 hrs
- PAD 4034 The Administration of Public Policy 3 hrs
- PAD 4104 Administrative Theory 3 hrs
- PAD 4204 Fiscal Management 3 hrs
- PAD 4414 Public Personnel Administration 3 hrs
- PAD 4720 Survey Research in Public Administration 3 hrs
### UCF Degree Programs

#### B.A./B.S. Option
- Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at the college level.
- Students pursuing the B.S. degree must complete two additional upper level technical courses (six credit hours) from a list approved by the Department.

5. **Restricted Electives** (39 hrs)
- Public Administration electives are required as follows:
  - PAD majors must complete at least 21 hrs of PAD prefixed electives at the 3000 level or higher.
  - Additional electives can be taken from other allied supporting fields such as accounting, legal studies, communications, computer science, criminal justice, economics, political science, social work, sociology, and statistics. Courses should be selected with the assistance of an advisor, and must be upper division (3000-4000 level).
  - Those who complete a recognized UCF minor in a discipline outside Public Administration must take a minimum of 18 hrs PAD prefixed electives.
  - Double Majors, those who complete a PAD major, and those of another UCF major, must take a minimum of 15 hrs PAD prefixed electives.

6. **Capstone Requirements**
- None

7. **Foreign Language Requirements**

#### Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation

#### Graduation
- Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at the college level, beyond University requirement

8. **Electives**
- None

9. **Additional Requirements**
- None

10. **Required Minors**
- None

11. **Departmental Exit Requirements**
- The students must attain a minimum grade of “C” (2.0) in all Common Program Prerequisites courses and in all Core Requirements (see sections 2 and 3 above).
- An overall 2.0 GPA must be attained for all coursework (see sections 1, 2, 3, and 4).

12. **University Minimum Exit Requirements**
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required
- 120

**Honors In Major**
- None

**Related Programs**
- Accounting
- Computer Science

**Certificates**
- Nonprofit Management

**Related Minors**
- Business
- Criminal Justice
- Economics
- Emergency Management and Homeland Security
- Legal Studies
- Non-Profit Management/American Humanics National Certification Program
- Political Science
- Urban and Regional Planning

**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
- CGS 1060C  Introduction to Computer Science  3 hrs
- ENC 1101  Composition I  3 hrs
- PAF 2102  Public Affairs Careers  2 hrs
- POS 2041  American National Government  3 hrs
- **Select 1:**
  - ARH 2050  History of Western Art I  or
  - ARH 2051  History of Western Art II  or

#### Sophomore Year - Fall
- PSC 2120  Political Science  3 hrs
- THE 2000  Theatre Survey  3 hrs
- **Select 1:**
  - Free Elective  3 hrs
  - ADT 2002  Astronomy  or
  - CHM 1020  Concepts in Chemistry  or
  - PSC 1121  Physical Science  3 hrs

**Joseph A. Henry School of Social Work**

### Freshman Year - Spring
- ENC 1102  Composition II  3 hrs
- MGF 1106  Finite Mathematics  3 hrs
- **Select 1:**
  - ANT 2000  General Anthropology  or
  - PSY 2012  General Psychology  or
  - SYG 2000  Introduction to Sociology  3 hrs

#### Sophomore Year - Spring
- ECO 2013  Principles of Macroeconomics  3 hrs
- SPC 1608  Fundamentals of Oral Communication  3 hrs
### Radio - Television (B.A.)

**College of Sciences**

**Nicholson School of Communication, NSC, Room: 143**

**http://communication.cos.ucf.edu/**

**E-mail: radiotv@ucf.edu**

Dr. W. Joseph Hall, Area Coordinator, whall@mail.ucf.edu

Ms. Rebecca Morales, Academic Support, rmorales@mail.ucf.edu

Phone: 407-823-2681

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**Admission Requirements**

- Students should apply to become Radio-Television majors only after completing all requirements for admission.

**Degree Requirements**

- Students who change degree programs (other than from Radio/TV Pending) and select this major must adopt the most current catalog.

- Students may complete an internship off campus in a professional broadcast, production, or corporate operation with advisor's approval

- Internship credit may be used in this major with prior departmental permission

- Co-op credit may be used in this major with prior approval from an RTV advisor

- Students should consult with a School advisor

- School Residency Requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Nicholson School of Communication

- Of the 120 hours required for graduation, 80 hours must be taken outside of the Nicholson School of Communication

- Of these 80 hours, 65 must be taken in the liberal arts (i.e. within the College of Arts & Humanities or the College of Sciences).

- To ensure completion within 120 hours and to comply with the 80 hour rule, no more than 40 (or 43 if a GEP speech class was taken at UCF) of the 120 hours may be taken within the Nicholson School of Communication

- Radio TV majors must select their required minor from outside the School of Communication to remain below the 40 credit hour school maximum.

- Students seeking to change tracks once accepted into the major must re-apply to the RTV major under the new, desired track

- A maximum of three credit hours of internship may be earned in one semester. Internship credit, plus all other hours taken within the school, must not exceed 40 hours.

- A maximum of six credit hours of internship may be earned within the 120 credit hours required for graduation. Summer internship are available during “C” term only.

**Program Academic Learning Compacts**

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:  
http://www.oecs.ucf.edu/alic/academic_learning_compacts.htm

**Equipment Fees**

- Part-Time Student:
- Full-Time Student:

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### UCF Degree Programs

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<tr>
<td>EUH 2000</td>
<td>Western Civilization I or 3 hrs</td>
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<tr>
<td>HUM 2210</td>
<td>Humanistic Tradition I or 3 hrs</td>
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<tr>
<td>WOH 2012</td>
<td>World Civilization I 3 hrs</td>
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<td>The Human Species or 3 hrs</td>
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<td>BSC 1005</td>
<td>Biological Principles or 3 hrs</td>
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<td>GEO 1200</td>
<td>Physical Geography or 3 hrs</td>
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<td>GLY 1030</td>
<td>Geology and its Applications or 3 hrs</td>
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<td>MCB 1310</td>
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**Sophomore Year - Spring**

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<tr>
<td>EUH 2001</td>
<td>Western Civilization II or 3 hrs</td>
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<td>Humanistic Tradition II or 3 hrs</td>
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<td>WOH 2022</td>
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**Junior Year - Fall**

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<td>PAD 4414</td>
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<td>Foreign Language I or BS option</td>
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**Junior Year - Spring**

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<td>Foreign Language II or BS option</td>
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**Senior Year - Fall**

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**Senior Year - Spring**

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<tr>
<td>Upper Division Elective</td>
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<tr>
<td>Restricted elective or PAD Internship</td>
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**Program Academic Learning Compacts**

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oecs.ucf.edu/alic/academic_learning_compacts.htm

**Equipment Fees**

- Part-Time Student:
- Full-Time Student:

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

   **A: Communication Foundations (9 hrs)**

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<th>Required</th>
<th>ENC 1101</th>
<th>Composition I</th>
<th>3 hrs</th>
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</thead>
<tbody>
<tr>
<td>Required</td>
<td>ENC 1102</td>
<td>Composition II</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

   **Select 1: | 3 hrs**
   
   | Suggested | SPC 1603 | Fundamentals of Technical Presentations or | 3 hrs |
   | Suggested | SPC 1608 | Fundamentals of Oral Communication | 3 hrs |

2. **B: Cultural & Historical Foundations (9 hrs)**

   | Preferred | AMH 2010 | U.S. History: 1492-1877 | 3 hrs |
   | Preferred | AMH 2020 | U.S. History: 1877-Present | 3 hrs |
   | Select a third course from GEP B2 | 3 hrs |
## UCF Degree Programs

### C: Mathematical Foundations (6 hrs)
- **Math:**
  - You may substitute a higher level math with appropriate scores on the Math Placement Test.
  - **Required**: MGF 1106 Finite Mathematics or 3 hrs
  - **Required**: MGF 1107 Explorations in Mathematics 3 hrs

### Computer Science: 3 hrs
- **Preferred**: CGS 2100C Computer Fundamentals for Business

### D: Social Foundations (6 hrs)
- **Preferred**: POS 2041 American National Government
  - Select a listed course 3 hrs

### E: Science Foundations (6 hrs)
- **None**
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

### 3. Core Requirements: Basic Level (12 hrs)
- These courses may be taken before applying to the major.
- **Required**: MCF 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 4404 Computer Graphics and Animation 3 hrs

#### Select 1:
- SPC 1603 Fundamentals of Technical Presentations or 0 hr
- SPC 1608 Fundamentals of Oral Communication or 0 hr

#### Select 1:
- CGS 2100C Computer Fundamentals for Business or 0 hr
- CGS 2585C Desktop/Internet Publishing or 3 hrs
- CGS 3175 Internet Applications 3 hrs

### 4. Core Requirements: Advanced Level (6 hrs)
- These courses are only available to students who have been accepted into the major.
- **Required**: MMC 3420 Mass Media Research Methods 3 hrs
- **Required**: RTV 2102 Writing for the Electronic Media 3 hrs

### 5. Restricted Electives (0 hrs)
- **Specialization**: Select one area and complete the credit hours required by that specialization.

#### A. Production 18 hrs
- **Select from the following:**
  - RTV 3210C Audio Production I or 3 hrs
    - RTV 3223C Lighting for Video or 3 hrs
    - RTV 3228C Studio Television Production or 4 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 3942L Practicum or 3 hrs
    - RTV 4136C Television Directing or 3 hrs
    - RTV 4211C Audio Production II or 3 hrs
    - RTV 4271C Radio Production and Programming or 3 hrs
    - RTV 4280C Webcasting I or 3 hrs
    - RTV 4281C Webcasting II or 1 hr
    - RTV 4941 Internship or 1 hr

#### 1 May only apply a maximum of 3 hours to the requirement.

#### B. Broadcast Journalism 22 hrs
- **Complete all of the following:**
  - MMC 4602 Contemporary Media Issues and 3 hrs
    - RTV 3260C Single Camera Video Production and Editing and 4 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 4322C 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 or 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 3240 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 1 hr
  - 1 RTV 4941 Internship or 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

#### 1 May only apply a maximum of 3 hours to the requirement.

### 6. Capstone Requirements
- **None**

### 7. Foreign Language Requirements

#### Admissions
- Met by graduation requirement

#### Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

### 8. Electives
- Select primarily from upper level courses, with school advisor’s approval. Must be from outside of the school in order to not exceed the 40 credit hour cap. The majority of electives should be taken in the Liberal Arts to comply with the 65 hour Liberal Arts requirement.

### 9. Additional Requirements
- **None**

### 10. Required Minors
- **Radio-Television majors must complete a minor of at least 18 hours in an academic area outside the Nicholson School of Communication.**
- The following minors are suggested to compliment the R/TV major, but any minor except those in the School of Communication, may be taken:
  - **Digital Media**
  - **English - Writing**
  - **Film - Cinema Studies**
  - **Political Science**
  - **Sociology**
  - **Theatre**
### UCF Degree Programs

**11. Departmental Exit Requirements**
- To avoid delaying graduation, you must request a review of requirements before registering for your last term.
- Achieve an overall “C” GPA (2.0) in UCF Radio/TV courses used to satisfy the major.
- Before applying to graduate, the CLAS must be completely satisfied.
- Computer competency met by the following course or departmental assessment.
- CGS 2100C  Computer Fundamentals for Business  3 hrs

**12. University Minimum Exit Requirements**
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**
- 120

**Honors In Major**
- None

**Related Programs**
- Advertising/Public Relations
- Digital Media
- Digital Media - Visual Language Track
- Digital Media - Web Design Track
- Film
- Journalism
- Theatre

**Certificates**
- None

**Related Minors**
- NOTE: Minors taught within the School of Communication are not open to R/TV majors.
- Digital Media
- Film - Cinema Studies
- Marketing
- Mass Communication
- Theatre

**Advising Notes**
- None

**Transfer Notes**
- Lower division courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

**Acceptable Substitutes for Transfer Courses**
- None

**Plan of Study**
- This is one of numerous possible plans of study. See program description for all requirements.
- Consult a departmental advisor for alternate, new, or more appropriate selections.
- Consult the department for detailed plans of study for each specialization.

**Freshman Year - Fall** 15 hrs
- GEP 3 hrs
- ENC 1101  Composition I  3 hrs
- MGF 1107  Explorations in Mathematics  3 hrs
- SPC 1608  Fundamentals of Oral Communication  3 hrs

**Sophomore Year - Fall** 16 hrs
- Foreign Language  4 hrs
- GEP 3 hrs
- Elective / Minor  3 hrs
- MMC 3200  Mass Communication Law  3 hrs
- RTV 4403  Electronic Media, Technology, and Society  3 hrs
- Apply to RTV program

**Sophomore Year - Spring** 14 hrs
- Foreign Language  4 hrs
- Elective / Minor  4 hrs
- MMC 3420  Mass Media Research Methods  3 hrs
- RTV 3200  Production Fundamentals and Aesthetics of Electronic Media  3 hrs

**Junior Year - Fall** 15 hrs
- Restricted Elective  3 hrs
- GEP 3 hrs
- GEP 3 hrs
- Elective / Minor  3 hrs
- RTV 2102  Writing for the Electronic Media  3 hrs

**Junior Year - Spring** 15 hrs
- Restricted Elective  3 hrs
- Restricted Elective  3 hrs
- Elective / Minor  3 hrs
- Elective / Minor  3 hrs
- Elective / Minor  3 hrs

**Senior Year - Fall** 15 hrs
- Restricted Elective  3 hrs
- Restricted Elective  3 hrs
- Elective / Minor  3 hrs
- Elective / Minor  3 hrs
- Elective / Minor  3 hrs

**Senior Year - Spring** 15 hrs
- Restricted Elective  3 hrs
- Elective / Minor  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.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/

Phone: 407-823-3575

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

**Admission Requirements**
- Completion of the UCF General Education Program, Gordon Rule, and CLAS or an AA degree from a Florida public community college
- See Common Program Prerequisites
## 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 prerequisite 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 can count toward another major or minor degree program.
- Students majoring in Real Estate must earn a grade of "C" (2.0) or better in each course applied toward the major, and a 2.0 overall average in the minor.
- Students must earn at least a 2.0 GPA in the major and CBA.
- Students wanting to major in real estate must apply for admission to the major.

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

**A: Communication Foundations (9 hrs)**
- Prefer SPC 1508 Fundamentals of Oral Communication
- Suggested: ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics

**B: Cultural & Historical Foundations (9 hrs)**
- Required: CGS 2100C Computer Fundamentals for Business
- Required: MAC 1140 Pre-Calculus Algebra

**C: Mathematical Foundations (6 hrs)**
- Select 1:
  - Suggested: ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics
  - Suggested: ANT 2000 General Anthropology or PSY 2012 General Psychology or SYG 2000 Introduction to Sociology

**D: Social Foundations (6 hrs)**
- Select 1:
  - Suggested: ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics

**E: Science Foundations (6 hrs)**
- Required: ECO 3401 Quantitative Business Tools I
- 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
  - or
  - MAC 2233 Concepts of Calculus and STA 2023 Statistical Methods I

**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
- ACG 2071 Principles of Managerial Accounting
- CGS 2100C Computer Fundamentals for Business
- ECO 2013 Principles of Macroeconomics
- ECO 2023 Principles of Microeconomics

**3. Core Requirements: Basic Level (32 hrs)**
- First or subsequent semester in the College of Business Administration:
  - BUL 2130 Legal and Ethical Environment of Business
  - ECO 3411 Quantitative Business Tools II
  - FIN 3403C Business Finance
  - GEB 3031 Cornerstone: Professional Skills for Business
  - GEB 3375 Introduction to International Business
  - ISM 3011C Essentials of Management Information Systems

- Select 5:
  - Suggested: ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics

**4. Core Requirements: Advanced Level (9 hrs)**
- FIN 3403C Business Finance
- GEB 3031 Cornerstone: Professional Skills for Business
- GEB 4941 Internship

**5. Restricted Electives (15 hrs)**
- Select 5:
  - Suggested: ECO 2023 Principles of Microeconomics

### 6. Capstone Requirements (4 hrs)
- MAN 4720 Strategic Management

**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
be from the department or school in which the student majors. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors. Degree program in the UCF College of Business Administration.

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.

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

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (6 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGF 1106 Finite Math</td>
<td>3</td>
</tr>
</tbody>
</table>

1 May substitute a higher level math course

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)

None

3. Core Requirements: Basic Level (0 hrs)

HUM 2210 Humanistic Tradition I
HUM 2230 Humanistic Tradition II
REL 2300 World Religions

4. Core Requirements: Advanced Level (24 hrs)

Foundations in the Study of Religion and Humanities
Religion
JST 3401 The Jewish People I or
JST 3402 The Jewish People II
Select 1: 3 hrs
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
HUM 3553 Moses, Jesus and Muhammad or
REL 3340 Buddhist Thought or

Traditions: Religion in a Global World
Select 1: 3 hrs
Select 2: 6 hrs
JST 3401 The Jewish People I or
JST 3402 The Jewish People II

Humanities and Classics
CLT 3370 Classical Mythology or
CLT 3378 Comparative Mythology or
HUM 3252 Contemporary Humanities or
HUM 3255 Modern Humanities or
HUM 3431 Ancient Humanities or
HUM 3435 Medieval Humanities or

Traditions: Religion in a Global World
Select 1: 3 hrs
Select 2: 6 hrs
JST 3401 The Jewish People I or
JST 3402 The Jewish People II

Applications: Topics and Issues in the Study of Religion
Select 2: 6 hrs
HUM 4303 The Spiritual Ideal or
HUM 4554 Religious Quest and Human Dilemma or
PHI 3033 Philosophy, Religion, and the Environment or
PHI 3672 Animal Ethics or
REL 3111 Religion and Philosophy Through Film or
REL 3111 Religion, Spirituality, and Popular Music or
REL 3432 Roots of Western Mysticism or
REL 4180 Religion and Medicine or

5. Restricted Electives (9 hrs)

Select 3:
AML 3615
ASH 3222 Islam and Its Empires or
ASH 3223 The Modern Middle East or
HUM 3320 Contemporary Multicultural Studies or
HUM 4301 The Classical Ideal or
HUM 4330 Performance Theory or

6. Capstone Requirements

None

7. Foreign Language Requirements

Admissions

Met by graduation requirement

Graduation

Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. Majors who are contemplating graduate school should complete two years of a foreign language, preferably one functional in their area of proposed graduate interest.

8. Electives

Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements

None

10. Required Minors

None

11. Departmental Exit Requirements

Earn a “C” (2.0) or better in each required course.

To avoid delaying graduation, you must request a review of requirements prior to registering for your last term.

Computer Competency met by one of the following:
REL 4910 Senior Research Seminar 3 hrs
REL 49804 Undergraduate Honors Thesis 1 hr
STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

Must Take:
REL 4910 Senior Research Seminar 3 hrs

12. University Minimum Exit Requirements

A 2.0 UCF GPA

60 semester hours earned after CLEP awarded
48 semester hours of upper division credit completed
30 of the last 39 hours of course work must be completed in residency at UCF
A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

120
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 1 hr
REL 4970H Undergraduate Honors Thesis 1 hr

Additional Requirements
- Application and admission through the Humanities Honors Coordinator and the Burnett Honors College.
- Fulfill University requirements for Honors in the Major.
- Maintain a UCF GPA of at least 3.2 and a Religious Studies GPA of at least 3.5.
- Successful completion and oral defense of Honors Thesis.
- Earn a "B" (3.0) or better in both of the following:
  REL 4903H Honors Directed Readings I 1 hr
  REL 4970H Undergraduate Honors Thesis 1 hr

Related Programs
- Humanities
- Interdisciplinary Studies
- Philosophy

Certificates
- None

Related Minors
- Humanities
- Judaic Studies
- Philosophy
- Religious Studies

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study

Freshman Year - Fall 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
Restricted Elective 3 hrs
ENC 1102 Composition II 3 hrs
HUM 2230 Humanistic Tradition II 3 hrs
SPN 1121C Elementary Spanish Language and Civilization II 4 hrs
STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

Sophomore Year - Fall 15 hrs
GEP 3 hrs
GEP 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs

Sophomore Year - Spring 15 hrs
GEP 3 hrs
GEP 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs

Junior Year - Fall 15 hrs
Restricted Elective 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
REL 3340 Buddhist Thought 3 hrs

Senior Year - Fall 15 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs

Senior Year - Spring 15 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
REL 4910 Senior Research Seminar 3 hrs

Restaurant and Foodservice Management (B.S.)
Rosen College of Hospitality Management
Department of Food-services and Lodging, 9907
Universal Boulevard, Orlando, FL 32819
http://www.hospitality.ucf.edu
E-mail: hospitality@mail.ucf.edu
Dr. Joe Hutchinson, Department Chair
Dr. Abraham Pizam, Dean
Phone: 407-903-8000

Admission Requirements
- None

Degree Requirements
- None

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations
      Required MAC 1105 College Algebra 3 hrs
      Select 1: 3 hrs
      Required CGS 2100C Computer Fundamentals for Business or STA 2211 3 hrs
      Required STA 2213 Statistical Methods I 3 hrs
   D: Social Foundations
      Select 1: 3 hrs
      Required ECO 2013 Principles of Macroeconomics or ECO 2203 Principles of Microeconomics 3 hrs
      Required PSY 2012 General Psychology or SYG 2000 Introduction to Sociology 3 hrs
   E: Science Foundations (6 hrs)
## UCF Degree Programs

### 2. Common Program Prerequisites (CPP)

<table>
<thead>
<tr>
<th>Course</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 1000</td>
<td>Introduction to the Hospitality and Tourism Industry</td>
</tr>
</tbody>
</table>

1 See “Common Prerequisites” in the Transfer and Transitions section (pg. 46) for more information.

### 3. Core Requirements: Basic Level

<table>
<thead>
<tr>
<th>Course</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 1105</td>
<td>College Algebra</td>
</tr>
</tbody>
</table>

Select 1:

<table>
<thead>
<tr>
<th>Course</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>CGS 2100C</td>
<td>Computer Fundamentals for Business</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Statistical Methods I</td>
</tr>
</tbody>
</table>

Select 1:

<table>
<thead>
<tr>
<th>Course</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 2013</td>
<td>Principles of Macroeconomics</td>
</tr>
<tr>
<td>ECO 2023</td>
<td>Principles of Microeconomics</td>
</tr>
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</table>

### 4. Core Requirements: Advanced Level

**Hospitality Core Requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Requirement</th>
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</thead>
<tbody>
<tr>
<td>HFT 2220</td>
<td>Hospitality Human Resources Management</td>
</tr>
<tr>
<td>HFT 2401</td>
<td>Hospitality Industry Financial Accounting</td>
</tr>
<tr>
<td>HFT 2500</td>
<td>Hospitality and Tourism Marketing</td>
</tr>
<tr>
<td>HFT 3431</td>
<td>Hospitality Industry Managerial Accounting</td>
</tr>
<tr>
<td>HFT 3444</td>
<td>Hospitality Information Systems</td>
</tr>
<tr>
<td>HFT 3540</td>
<td>Guest Services Management I</td>
</tr>
<tr>
<td>HFT 3603</td>
<td>Legal Environment in the Hospitality and Tourism Industry</td>
</tr>
<tr>
<td>HFT 4286</td>
<td>Hospitality Communications</td>
</tr>
<tr>
<td>HFT 4464</td>
<td>Hospitality Industry Finance</td>
</tr>
</tbody>
</table>

**Internships**

<table>
<thead>
<tr>
<th>Course</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 3940</td>
<td>Internship</td>
</tr>
<tr>
<td>HFT 4941</td>
<td>Internship</td>
</tr>
<tr>
<td>HFT 4944</td>
<td>Practicum</td>
</tr>
</tbody>
</table>

**Restaurant Management Core**

<table>
<thead>
<tr>
<th>Course</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>FSS 2221C</td>
<td>Techniques of Food Preparation</td>
</tr>
<tr>
<td>FSS 3124</td>
<td>Supply and Procurement Management</td>
</tr>
<tr>
<td>HFT 3263</td>
<td>Restaurant Management</td>
</tr>
<tr>
<td>HFT 4286</td>
<td>Restaurant Brand Management</td>
</tr>
<tr>
<td>HFT 4268</td>
<td>Case Studies in Restaurant Management</td>
</tr>
<tr>
<td>HFT 4281</td>
<td>Restaurant Leadership Strategies and Tactics</td>
</tr>
<tr>
<td>HFT 4844</td>
<td>Sanitation in the Food Service Industry</td>
</tr>
<tr>
<td>HFT 4861C</td>
<td>Beverage Management</td>
</tr>
</tbody>
</table>

**5. Restricted Electives**

Select 5:

<table>
<thead>
<tr>
<th>Course</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>FSS 3008</td>
<td>Culture and Cuisine</td>
</tr>
<tr>
<td>FSS 3222C</td>
<td>Intermediate Techniques of Food Production</td>
</tr>
<tr>
<td>FSS 4135</td>
<td>Corporate Contract and Managed Services Organizations</td>
</tr>
<tr>
<td>FSS 4286C</td>
<td>Catering and Banquet Organization</td>
</tr>
<tr>
<td>HFT 3574</td>
<td>Food Service Marketing Advertising and Promotion Management</td>
</tr>
<tr>
<td>HFT 3654</td>
<td>Franchising in the Restaurant Industry</td>
</tr>
<tr>
<td>HFT 3868</td>
<td>History and Culture of Wine</td>
</tr>
<tr>
<td>HFT 4281</td>
<td>Restaurant Leadership Strategies and Tactics</td>
</tr>
<tr>
<td>HFT 4343</td>
<td>Hospitality Facilities Planning and Design</td>
</tr>
<tr>
<td>HFT 4457</td>
<td>Food, Beverage, and Labor Cost Controls</td>
</tr>
<tr>
<td>HFT 4864</td>
<td>Seminar in Quality Brewing and Fine Beer</td>
</tr>
<tr>
<td>HFT 4865</td>
<td>Advanced Wine Management</td>
</tr>
<tr>
<td>HFT 4866C</td>
<td>Exploring Wines of the World</td>
</tr>
<tr>
<td>HFT 4894</td>
<td>International Gastronomy</td>
</tr>
<tr>
<td>HUN 3013</td>
<td>Nutrition Concepts and Issues in the Food Service Industry</td>
</tr>
</tbody>
</table>

### 6. Capstone Requirements

- None

### 7. Foreign Language Requirements

**Admissions**

- State University System foreign language admission requirement: two years in high school or one year in college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

---

**Graduation**

- None

### 8. Electives

- None

### 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 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

- 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 if the most valuable tools that a student can make use of when transferring to UCF. Students should take advantage of both.

### Acceptable Substitutes for Transfer Courses

- None

### Plan of Study

- Plan your required nine summer credit hours into your course of study.

### Freshman Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>CGS 2100C</td>
<td>Computer Fundamentals for Business</td>
</tr>
<tr>
<td>ENC 1101</td>
<td>Composition I</td>
</tr>
<tr>
<td>HFT 1000</td>
<td>Introduction to the Hospitality and Tourism Industry</td>
</tr>
</tbody>
</table>

Select 1:

<table>
<thead>
<tr>
<th>Course</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2000</td>
<td>General Anthropology</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
</tr>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
</tr>
</tbody>
</table>
### UCF Degree Programs

#### Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- FSS 2221C Techniques of Food Preparation 4 hrs
- MAC 1105 College Algebra 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

#### Sophomore Year - Fall
- HFT 2220 Hospitality Human Resources Management 3 hrs
- HFT 2401 Hospitality Industry Financial Accounting 3 hrs
- HFT 3263 Restaurant Management 3 hrs

Select 1:
- ECO 2013 Principles of Macroeconomics or 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs

#### Sophomore Year - Spring
- ANT 2511 The Human Species 3 hrs
- FSS 3124 Supply and Procurement Management 3 hrs
- HFT 2500 Hospitality and Tourism Marketing 3 hrs
- HFT 3444 Hospitality Information Systems 3 hrs

#### Junior Year - Fall
- HFT 3431 Hospitality Industry Managerial Accounting 3 hrs
- HFT 3540 Guest Services Management I 3 hrs
- HFT 3663 Legal Environment in the Hospitality and Tourism Industry 3 hrs
- HFT 3933 Distinguished Lectures in Hospitality Management 1 hr
- HFT 3940 Internship 1 hr
- HFT 4266 Restaurant Brand Management 3 hrs

#### Junior Year - Spring
- HFT 3431 Hospitality Industry Managerial Accounting 3 hrs
- HFT 3540 Guest Services Management I 3 hrs
- HFT 3663 Legal Environment in the Hospitality and Tourism Industry 3 hrs
- HFT 3933 Distinguished Lectures in Hospitality Management 1 hr
- HFT 3940 Internship 1 hr
- HFT 4266 Restaurant Brand Management 3 hrs

#### Senior Year - Fall
- HFT 4286 Hospitality Communications 3 hrs
- HFT 4464 Hospitality Industry Finance 3 hrs
- HFT 4944 Practicum 1 hr

#### Senior Year - Spring
- HFT 4281 Restaurant Leadership Strategies and Tactics 3 hrs

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/aic/academic_learning_compacts.htm

### Equipment Fees
- Part-Time Student: $37.50 per term
- Full-Time Student: $75 per term

### Science Education - Biology (B.S.)
**College of Education**

**Department of Teaching and Learning Principles,**
**Education Building, Room: 209**

http://education.ucf.edu/science/

Dr. Aldrin Sweeney, ED 123L, asweeney@pegasus.cc.ucf.edu
Dr. Janet Andreassen, ED 123Q, jandrease@mail.ucf.edu, 407-823-5430

Phone: 407-823-2561

### Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university
- Have a minimum 2.5 overall GPA
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted)
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of “C-” (1.75) or better.
- Meet the Gordon Rule Requirement
- Meet Foreign Language Admission Requirement.

### Degree Requirements
- Students should see an advisor prior to registering for classes
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

### 1. UCF General Education Program (GEP) (36 hrs)
- Note: Students are advised to take the preferred courses.

**A: Communication Foundations** (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

**B: Cultural & Historical Foundations** (9 hrs)
- Prefer AMH 1010 U.S. History: 1492-1877 3 hrs
- Prefer AMH 2010 U.S. History: 1877-Present 3 hrs
- Prefer PHI 2010 Introduction to Philosophy 3 hrs

**C: Mathematical Foundations** (6 hrs)
- Select 1: 3 hrs
  - Prefer STA 1060C Basic Statistics Using Microsoft Excel or
  - Prefer STA 2014C Principles of Statistics 3 hrs

**D: Social Foundations** (6 hrs)
- Suggested MGF 1106 Finite Mathematics or 3 hrs
- Suggested MGF 1107 Explorations in Mathematics 3 hrs

**E: Science Foundations** (7 hrs)
- Required BSC 2010C Biology I 4 hrs
- Required PSC 1121 Physical Science 3 hrs

1. A grade of “C”(1.75) is required.

### 2. Common Program Prerequisites (CPP) (9 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

**EDP 2005** Introduction to the Teaching Profession 3 hrs
**1 EDP 2085** Introduction to Diversity for Educators 3 hrs
**EME 2040** Introduction to Technology for Educators 3 hrs

1. In addition to this course, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

### 3. Core Requirements: Basic Level (12 hrs)
- Transfer Notes: Courses taken at community colleges may substitute for select courses in this section with the permission of the department.

**BSC 2010C** Biology I GEP
**BSC 2011C** Biology II 4 hrs
**CHM 2045C** Chemistry Fundamentals I 4 hrs
**EDP 2130** Child and Adolescent Development for Educators 3 hrs
**PSC 1121** Physical Science GEP
**PSC 1121L** Physical Science Lab 1 hr

**4. Core Requirements: Advanced Level** (62 hrs)

### Education Core Requirements
- Program Internship I Prerequisites: EDG 4410, TSL 4080 and at least 50% of all required biology courses must be completed prior to Internship I with a minimum grade of a “C-” (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
UFC Degree Programs

- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDF 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.

- State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (this requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Achieve a minimum 2.5 GPA in all courses within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- Pass all applicable sections of the Florida Teacher Certification Examination.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (120 hrs)
- Recommended Four Year Sequence of Courses

Freshman Year - Fall
- 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
- 16 hrs
  - EDF 2085 Introduction to Diversity for Educators 3 hrs
  - ENC 1102 Composition II 3 hrs
  - PHI 2010 Introduction to Philosophy 3 hrs
  - PSC 1121 Physical Science 3 hrs
  - PSC 1121L Physical Science Lab 1 hr
  - SPC 1608 Fundamentals of Oral Communication 3 hrs

Internship I Block
- 7 hrs
  - SCE 3940 Internship 3 hrs
  - SCE 4360 Science Instructional Analysis 4 hrs

Specialization Requirements
- 25 hrs
  - CHM 2046 Chemistry Fundamentals II 3 hrs
  - CHM 2046L Chemistry Fundamentals Laboratory 1 hr
  - CHM 2205 Introduction to Organic and Biochemistry 5 hrs
  - MCB 3020C General Microbiology 5 hrs
  - PCB 3044 Principles of Ecology 3 hrs
  - PCB 3044L Principles of Ecology Laboratory 1 hr
  - SCE 4361 Programs in Teaching Science 3 hrs

Select 1:
- 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.
  - 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/

  - SCE 4941 Internship 12 hrs

5. Restricted Electives
- None

6. Capstone Requirements
- None

7. Foreign Language Requirements
- None

Admissions

Internship I Block
- 7 hrs
  - SCE 3940 Internship 3 hrs
  - SCE 4360 Science Instructional Analysis 4 hrs

Specialization Requirements
- 25 hrs
  - CHM 2046 Chemistry Fundamentals II 3 hrs
  - CHM 2046L Chemistry Fundamentals Laboratory 1 hr
  - CHM 2205 Introduction to Organic and Biochemistry 5 hrs
  - MCB 3020C General Microbiology 5 hrs
  - PCB 3044 Principles of Ecology 3 hrs
  - PCB 3044L Principles of Ecology Laboratory 1 hr
  - SCE 4361 Programs in Teaching Science 3 hrs

Select 1:
- 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.
  - 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/

  - SCE 4941 Internship 12 hrs

5. Restricted Electives
- None

6. Capstone Requirements
- None

7. Foreign Language Requirements
- None

Admissions
# UCF Degree Programs

**Science Education - Chemistry (B.S.)**  
**College of Education**  
Department of Teaching and Learning Principles, Education Building, Room: 209  

<table>
<thead>
<tr>
<th>Year</th>
<th>Courses</th>
<th>Credits</th>
</tr>
</thead>
</table>
| **Freshman Year - Summer** | EME 2040  Introduction to Technology for Educators 3 hrs  
POS 2041 American National Government 3 hrs | 6 hrs |
| **Sophomore Year - Fall** | AMH 2010 U.S. History: 1492-1877 3 hrs  
BSC 2010C Biology I 4 hrs  
CHM 2045C Chemistry Fundamentals I 4 hrs | 14 hrs |
| **Select 1:** | STA 1060C Basic Statistics Using Microsoft Excel or STA 2014 Principles of Statistics 3 hrs | 3 hrs |
| **Sophomore Year - Spring** | AMH 2020 U.S. History: 1877-Present 3 hrs  
BSC 2011C Biology II 4 hrs  
CHM 2205 Introduction to Organic and Biochemistry 5 hrs | 15 hrs |
| **Select one of the following sequences of courses:** | | |
| | PC 3063 Genetics and 3 hrs  
PC 3063L Genetics Laboratory 1 hr | |
| | or  
PCB 3703C Human Physiology 4 hrs | |
| | or  
ZOO 3733C Human Anatomy 4 hrs | |
| **Junior Year - Fall** | 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 | 14 hrs |
| **Junior Year - Summer** | ENC 1102 Composition II 3 hrs  
ENC 1101 Composition I 3 hrs  | 3 hrs |
| **Senior Year - Fall** | EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs  
EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs  
SCE 3940 Internship 3 hrs  
SCE 4360 Science Instructional Analysis 4 hrs | 13 hrs |
| **Senior Year - Spring** | SCE 4941 Internship 12 hrs | 12 hrs |

## Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

## Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university
- Have a minimum 2.5 overall GPA
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of "C-" (1.75) or better.
- Meet the Gordon Rule Requirement.
- Meet Foreign Language Admission Requirement.

## Degree Requirements
- Students should see an advisor prior to registering for classes
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

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

- Note: Students are advised to take the preferred courses.

<table>
<thead>
<tr>
<th>Foundation</th>
<th>Courses</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>A: Communication</td>
<td>ENC 1101 Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>B: Cultural &amp; Historical</td>
<td>AMH 2010 U.S. History: 1492-1877</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>AMH 2020 U.S. History: 1877-Present</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>PHI 2010 Introduction to Philosophy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>C: Mathematical</td>
<td>MAC 1114 College Trigonometry</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>Select 1:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>STA 1060C Basic Statistics Using Microsoft Excel</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>STA 2014 Principles of Statistics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>D: Social</td>
<td>POS 2041 American National Government</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>PSY 2012 General Psychology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>E: Science</td>
<td>BSC 2010C Biology I</td>
<td>4 hrs</td>
</tr>
<tr>
<td></td>
<td>PSC 1121 Physical Science</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Courses</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 2005 Introduction to the Teaching Profession</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDF 2085 Introduction to Diversity for Educators</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EME 2040 Introduction to Technology for Educators</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1. In addition, 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 (8 hrs)
- Transfer Notes: Courses taken at community colleges may substitute for select courses in this section with the permission of the department.
- BSC 2010C Biology I 4 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- MAC 1114 College Trigonometry 3 hrs
- PSC 1121 Physical Science 3 hrs
- PSC 1121L Physical Science Lab 1 hr

4. Core Requirements: Advanced Level (66 hrs)

Education Core Requirements 18 hrs
- Program Internship I Prerequisites: EDG 4410, TSL 4080 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 Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.
- EDF 4467 Learning Theory and Assessment 3 hrs
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

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 3940 Internship 3 hrs
- SCE 4360 Science Instructional Analysis 4 hrs

Specialization Requirements 29 hrs
- BCH 4053 Biochemistry I 3 hrs
- CHM 2046 Chemistry Fundamentals I 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- CHM 2211 Organic Chemistry II 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs
- CHM 3120 Analytical Chemistry 3 hrs
- CHM 3120L Analytical Chemistry Laboratory 1 hr
- CHS 3501 Introduction to Forensic Science 3 hrs
- PHY 2053C College Physics I 4 hrs
- SCE 4361 Programs in Teaching Science 3 hrs

Internship II 12 hrs
- At least 80% of all required chemistry courses and all methods courses must be completed with a letter grade of "C-" (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
- Passing score on the Subject Area Examination (Chemistry 6-12) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II.
- Students must apply and be approved for Internship II.
- Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/
- SCE 4941 Internship 12 hrs

5. Restricted Electives (0 hrs)
- None

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Achieve a minimum 2.5 GPA in all courses within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- Pass all applicable sections of the Florida Teacher Certification Examination.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (120 hrs)
- Recommended Four Year Sequence of Courses
Freshman Year - Fall  
- EDF 2005  Introduction to the Teaching Profession  
- ENC 1101  Composition I  
- PSC 1121  Physical Science  
- PSC 1121L  Physical Science Lab  
- PSY 2012  General Psychology  
13 hrs

Freshman Year - Spring  
- EDF 2085  Introduction to Diversity for Educators  
- ENC 1102  Composition II  
- MAC 1114  College Trigonometry  
- PHI 2010  Introduction to Philosophy  
12 hrs

Freshman Year - Summer  
- EME 2040  Introduction to Technology for Educators  
- POS 2041  American National Government  
6 hrs

Sophomore Year - Fall  
- AMH 2010  U.S. History: 1492-1877  
- BSC 2010C  Biology I  
- CHM 2046C  Chemistry Fundamentals I  
- SPC 1608  Fundamentals of Oral Communication  
14 hrs

Sophomore Year - Spring  
- AMH 2020  U.S. History: 1877-Present  
- CHM 2046  Chemistry Fundamentals II  
- CHM 2046L  Chemistry Fundamentals Laboratory  
1  
Select 1:  
- STA 1060C  Basic Statistics Using Microsoft Excel  
- STA 2014C  Principles of Statistics  
3 hrs  
3 hrs

Sophomore Year - Summer  
- PHY 2085C  College Physics I  
4 hrs

Junior Year - Fall  
- CHM 2210  Organic Chemistry I  
- CHM 3120  Analytical Chemistry  
- CHM 3120L  Analytical Chemistry Laboratory  
- EDG 4467  Learning Theory and Assessment  
- EDF 4410  Teaching Strategies and Classroom Management  
- EEX 4242  Teaching Exceptional Students in Secondary Settings  
16 hrs

Junior Year - Spring  
- CHM 2211  Organic Chemistry II  
- CHM 2211L  Organic Laboratory Techniques I  
- CHS 3501  Introduction to Forensic Science  
- RED 4043  Content Reading in Kindergarten through Grade 12  
- SCE 4361  Programs in Teaching Science  
14 hrs

Junior Year - Summer  
- TSL 4080  Theory and Practice of Teaching ESOL Students in Schools  
3 hrs

Senior Year - Fall  
- BCH 4053  Biochemistry I  
- EDF 4603  Analysis and Application of Ethical, Legal, and Safety Issues in Schools  
- SAE 3940  Internship  
- SCE 4380  Science Instructional Analysis  
13 hrs

Senior Year - Spring  
- SCE 4941  Internship  
12 hrs

Program Academic Learning Compacts  
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:  
  http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Science Education - Physics (B.S.)  

College of Education  
Department of Teaching and Learning Principles,  
Education Building, Room: 209  
http://education.ucf.edu/science/

Dr. Aldrin Sweeney, ED 123L, asweeney@pegasus.cc.ucf.edu  
Dr. Janet Andreasen, ED 123Q, jandreas@mail.ucf.edu, 407-823-5430  
Phone: 407-823-2581

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 requirement 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  
   - Required ENC 1101  Composition I  
   - Required ENC 1102  Composition II  
   - Prefer SPC 1608  Fundamentals of Oral Communication  
   (9 hrs)

   B: Cultural & Historical Foundations  
   - Prefer AMH 2010  U.S. History: 1492-1877  
   - Prefer AMH 2020  U.S. History: 1877-Present  
   - Prefer PHI 2010  Introduction to Philosophy  
   (9 hrs)

   C: Mathematical Foundations  
   - Required MAC 2311  Calculus with Analytic Geometry I  
   - Select 1: STA 1060C  Basic Statistics Using Microsoft Excel  
   - STA 2014C  Principles of Statistics  
   (4 hrs)

   D: Social Foundations  
   - Prefer POS 2041  American National Government  
   - Prefer PSY 2012  General Psychology  
   (6 hrs)

   E: Science Foundations  
   - Required PSC 1121  Physical Science  
   - Select 1: ANT 2511  The Human Species or  
   - BSC 1005  Biological Principles  
   (6 hrs)

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

   EDF 2005  Introduction to the Teaching Profession  
   EDF 2085  Introduction to Diversity for Educators  
   EME 2040  Introduction to Technology for Educators  
(3 hrs)

1. A grade of “C-” (1.75) or better is required.
**UCF Degree Programs**

### 3. Core Requirements: Basic Level (8 hrs)

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>EDF 2130</td>
<td>Child and Adolescent Development for Educators</td>
<td>3 hrs</td>
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<tr>
<td>MAC 2311</td>
<td>Calculus with Analytic Geometry I</td>
<td></td>
</tr>
<tr>
<td>PHY 2048C</td>
<td>Physics for Engineers &amp; Scientists I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PSC 1121</td>
<td>Physical Science</td>
<td></td>
</tr>
<tr>
<td>PSC 1121L</td>
<td>Physical Science Lab</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

### 4. Core Requirements: Advanced Level (66 hrs)

**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 II.
- 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 4677 Learning Theory and Assessment, RED 4043 Content Reading 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/clinicalexpl/

**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 (Physics 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/clinicalexpl/

**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-5.006.**

### 5. Restricted Electives (0 hrs)
- None

### 6. Capstone Requirements
- None

### 7. Foreign Language Requirements

**Admissions**
- State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

**Graduation**
- None

### 8. Electives
- None

### 9. Additional Requirements
- None

### 10. Required Minors
- None

### 11. Departmental Exit Requirements
- Achieve a minimum 2.5 GPA in all courses within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- Pass all applicable sections of the Florida Teacher Certification Examination.

### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- At least 30 of the last 39 hours of course work must be completed in residency at UCF
- A 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
EDP 2005 Introduction to the Teaching Profession 3 hrs
ENC 1101 Composition I 3 hrs
PSY 2012 General Psychology 3 hrs
Select 1: 3 hrs
STA 1060C Basic Statistics Using Microsoft Excel or STA 2014C Principles of Statistics 3 hrs

Freshman Year - Spring 16 hrs
EDF 2085 Introduction to Diversity for Educators 3 hrs
ENC 1102 Composition II 3 hrs
MAC 2311 Calculus with Analytic Geometry I 4 hrs
PHI 2010 Introduction to Philosophy 3 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs

Freshman Year - Summer 6 hrs
EME 2040 Introduction to Technology for Educators 3 hrs
POS 2041 American National Government 3 hrs

Sophomore Year - Fall 14 hrs
AMH 2010 U.S. History: 1492-1877 3 hrs
MAC 2312 Calculus with Analytic Geometry II 4 hrs
PSC 1121 Physical Science 3 hrs
PSC 1121L Physical Science Lab 1 hr
Select 1: 3 hrs
ANT 2511 The Human Species or BSC 1005 Biological Principles 3 hrs

Sophomore Year - Spring 14 hrs
AMH 2020 U.S. History: 1877-Present 3 hrs
CHM 2046 Chemistry Fundamentals I 3 hrs
EDF 2130 Child and Adolescent Development for Educators 3 hrs
MAC 2313 Calculus with Analytic Geometry III 4 hrs
1 Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

Sophomore Year - Summer 4 hrs
PHY 2048C Physics for Engineers & Scientists I 4 hrs

Junior Year - Fall 13 hrs
EDF 2085 Introduction to Diversity for Educators 3 hrs
CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory 1 hr
EDG 4410 Teaching Strategies and Classroom Management 3 hrs
EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
TSL 4080 Theory and Practice of Teaching ESOL 3 hrs
Junior Year - Spring 13 hrs
EDF 4667 Learning Theory and Assessment 3 hrs
PHY 2049C Physics for Engineers and Scientists II 4 hrs
RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
SCE 4361 Programs in Teaching Science 3 hrs

Junior Year - Summer 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 3722C Physics Laboratory-Electronics or PHY 3752C Physics of Scientific Instruments 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.oean.ucf.edu/alc/academic_learning_compacts.htm

Social Science Education (B.S.)

College of Education
Department of Teaching and Learning Principles, Education Building, Room: 209
http://education.ucf.edu/ssed/

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
- 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 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 STA 2014C Principles of Statistics 3 hrs

Select 1: 3 hrs
- Prefer STA 1060C Basic Statistics Using Microsoft Excel or STA 2014C Principles of Statistics 3 hrs

Select 1: 3 hrs
- Prefer ANT 2511 The Human Species or BSC 1005 Biological Principles 3 hrs

Select 1: 3 hrs
- Prefer ANT 2511 The Human Species or 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
- SCE 4941 Internship 12 hrs

5430
Dr. Janet Andreasen, ED 123Q, jandreas@mail.ucf.edu, 407-823-1766
Dr. Scott Waring, ED 206J, swaring@mail.ucf.edu, 407-823-1766
http://education.ucf.edu/ssl/
3. Core Requirements: Basic Level (9 hrs)
- Student should consult advisor regarding course options.
  - ECO 2013  Principles of Macroeconomics  3 hrs
  - EDF 2130  Child and Adolescent Development for Educators  3 hrs
  - SYG 2000  Introduction to Sociology  3 hrs

1 Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

4. Core Requirements: Advanced Level (66 hrs)

Education Core Requirements  18 hrs
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: 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.
- Prior to Internship I, the student must have completed EDG 4410 Teaching Strategies and Classroom Management and at least 50% of all required social science courses indicated above with a letter grade of "C-" (1.75) or better prior to Internship I. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
  - EDF 4467 Learning Theory and Assessment  3 hrs
  - EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools  3 hrs
  - EDG 4410 Teaching Strategies and Classroom Management  3 hrs
  - EEX 4242 Teaching Exceptional Students in Secondary Settings  3 hrs
  - RED 4043 Content Reading in Kindergarten through Grade 12  3 hrs
  - TSL 4080 Theory and Practice of Teaching ESOL Students in Schools  3 hrs

Internship 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/clinicalexp/

3. Core Requirements: Basic Level (9 hrs)
- 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  (0 hrs)
- None

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Achieve a minimum 2.5 GPA in all courses within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- Pass all applicable sections of the Florida Teacher Certification Examination.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None
### Plan of Study (120 hrs)

#### Freshman Year - Fall (12 hrs)
- EDF 2005  Introduction to the Teaching Profession 3 hrs
- ENC 1101  Composition I 3 hrs
- MGF 1106  Finite Mathematics 3 hrs
- PSY 2012  General Psychology 3 hrs

#### Freshman Year - Spring (12 hrs)
- EDF 2085  Introduction to Diversity for Educators 3 hrs
- ENC 1102  Composition II 3 hrs
- POS 2041  American National Government 3 hrs

#### Select 1:
- ANT 2511  The Human Species or 3 hrs
- BSC 1005  Biological Principles 3 hrs

#### Freshman Year - Summer (6 hrs)
- EME 2040  Introduction to Technology for Educators 3 hrs
- SPC 1608  Fundamentals of Oral Communication 3 hrs

#### Sophomore Year - Fall (15 hrs)
- AMH 2010  U.S. History: 1492-1877 3 hrs
- ECO 2013  Principles of Macroeconomics 3 hrs
- PSC 1121  Physical Science 3 hrs
- SYG 2000  Introduction to Sociology 3 hrs

#### Sophomore Year - Spring (12 hrs)
- AMH 2020  U.S. History: 1877-Present 3 hrs
- ECO 2023  Principles of Microeconomics 3 hrs
- EDF 2130  Child and Adolescent Development for Educators 3 hrs
- PHI 2010  Introduction to Philosophy 3 hrs

#### Select 1:
- STA 1060C  Basic Statistics Using Microsoft Excel or 3 hrs
- STA 2014C  Principles of Statistics 3 hrs

#### Junior Year - Fall (15 hrs)
- EDF 4467  Learning Theory and Assessment 3 hrs
- EDF 4410  Teaching Strategies and Classroom Management 3 hrs
- EUH 2000  Western Civilization I 3 hrs
- SSE 4936  Programs in Teaching Social Science 3 hrs
- Upper Division Non-Western History Elective (AFH, ASH, LAH 3/4XXX) 3 hrs

#### Junior Year - Spring (12 hrs)
- GEO 3471  World Political Geography 3 hrs
- RED 4043  Content Reading in Kindergarten through Grade 12 3 hrs
- SSE 3840  Internship 3 hrs
- SSE 4301  Social Science Instructional Analysis 4 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

#### Senior Year - Spring (12 hrs)
- SSE 4941  Internship 12 hrs

### Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

### Social Sciences (B.S.)

#### College of Sciences

**Department of Sociology, Howard Phillips Hall, Room: 403**

http://sociology.ucf.edu/

E-mail: sociology@mail.ucf.edu

Dr. H. Corzine

Phone: 407-823-3744

The Social Science Interdisciplinary Degree emphasizes the critical study of the social world. The curriculum increases students’ awareness of the social sciences and how they interpret society, societal institutions, social interaction and communication, social culture, as well as past and present human conditions. Students focus on several specific areas within the social sciences while becoming aware of the interdisciplinary nature of the participating programs.

### Admission Requirements

- None

### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students who declare the Social Sciences major must meet with a program advisor and complete a standardized entrance exam.
- Students must meet the residency requirements specified in each minor.
- Special topics courses may be used if they are acceptable within the specific minor.
- A minimum UCF GPA of 2.0 is required in all courses used to satisfy the major.
- Grades below “C” (2.0) in lower level courses are not accepted.
- Co-op, internship, or credit by exam (TSD, Military credit) cannot be used in this major.
- Independent Studies and Directed Independent Research (course numbers 3905, 4906, 5907, 4912, 5917, 3940, 4941) must be approved by the Sociology Department prior to enrollment.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

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

#### A: Communication Foundations (9 hrs)
- Required  ENC 1101  Composition I 3 hrs
- Required  ENC 1102  Composition II 3 hrs

#### Complete one of the following: (3 hrs)
- Prefer  COM 1000  Introduction to Communication or 3 hrs
- Suggested  SPC 1603  Fundamentals of Technical Presentations or 3 hrs
  - Suggested  SPC 1608  Fundamentals of Oral Communication 3 hrs

1 Required if Communication option of the major is to be followed.

#### B: Cultural & Historical Foundations (9 hrs)

#### C: Mathematical Foundations (6 hrs)

#### Statistics:
- Required  STA 2014C  Principles of Statistics or 3 hrs
- Required  STA 2023  Statistical Methods I 3 hrs

#### Math: (3 hrs)
- You may substitute a higher level math with appropriate scores on the Math Placement Test.
  - Prefer  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
UCF Degree Programs

Select one of the following, depending on the concentration to be followed.  
3 hrs  
**Required**  
- ANT 2000 General Anthropology or 3 hrs  
- PSY 2012 General Psychology or 3 hrs  
- SYG 2000 Introduction to Sociology 3 hrs  

E: Science Foundations  
(6 hrs)

2. Common Program Prerequisites (CPP)  
(0 hrs)  
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.  
- Students must complete two introductory courses in a social science discipline.  
- Course selection depends on concentration to be followed.

3. Core Requirements: Basic Level  
(0 hrs)  
Select one of the following Statistics courses:  
- STA 2014C Principles of Statistics or  
  GEP  
- STA 2023 Statistical Methods I  GEP  

Select at least three of the following, depending on concentrations to be taken:  
- ANT 2000 General Anthropology  
- POS 2041 American National Government  
- PSY 2012 General Psychology  
- SPC 1608 Fundamentals of Oral Communication  
- SYG 2000 Introduction to Sociology  

4. Core Requirements: Advanced Level  
(57 hrs)  
Select one methods’ course:  
- COM 3311 Communication Research Methods 3 hrs  
- POS 3703 Scope and Methods of Political Science 3 hrs  
- PSY 3213C Research Methods in Psychology 5 hrs  
- SYA 4300C Research Methods 4 hrs  

Required Minors:  
- Complete the requirements for 3 Social Science minors dealing with the following areas:  
  - Only one minor may be selected from the same department or school.  
  - Anthropology 18 hrs  
  - Communication 18 hrs  
  - Political Science 18 hrs  
  - Psychology 25 hrs  
  - Sociology 18 hrs  

5. Restricted Electives  
(0 hrs)  
- None

6. Capstone Requirements  
- Students will be required to take a standardized exit exam in their graduating semester.

7. Foreign Language Requirements

Admissions
- Met by graduation requirement

Graduation
- Proficiency equivalent to one year of college instruction in either a foreign language, three semesters equivalent of American Sign Language, or one course with a multicultural dimension. Standardized examinations may be used to meet the requirement.

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the areas.

9. Additional Requirements
- None

10. Required Minors
- Three minors are to be selected from the following listing:  
  - However only one minor may be taken within a single department or school.
    - Anthropology  
    - Anthropology in Multicultural Studies  
    - Interpersonal/Organizational Communication  
    - Mass Communication  
    - Medical Anthropology  
    - North American Indian Studies  
    - Political Science  
    - 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  
- Interdisciplinary Studies - Liberal Arts Track  
- Political Science  
- Psychology  
- Public Administration  
- Sociology

Certificates
- None

Related Minors  
- Anthropology  
- Economics  
- Interpersonal/Organizational Communication  
- Political Science  
- Psychology  
- Public Administration  
- Sociology

Advising Notes  
- Students should seek advising in the Sociology department.

Transfer Notes  
- Lower Division courses taken at community colleges do not substitute for Upper Division courses
Social Work (B.S.W.)
College of Health and Public Affairs
School of Social Work, Health and Public Affairs I,
Room: 204
http://www.copha.ucf.edu/social/
E-mail: socialwk@mail.ucf.edu
John Ronnau, Director
Robin Kohn, Undergraduate Program Coordinator
Phone: 407-823-2114

Admission Requirements
- Acceptance to the University does not necessarily constitute admission to the upper division social work program. Separate application to the limited access program must be made to the School of Social Work. Students are admitted to the undergraduate program only in the Summer or Fall terms. To be considered for admission to the program, students must have:
  - Admission to the University
  - A 2.5 overall GPA
  - An AA (from a Florida State Community College) or UCF General Education Program, Gordon Rule, and CLAS
  - 15 semester hours common program prerequisites (see Section 2 below for list of courses)
- This limited access program is work-intensive. Due to this it is strongly recommended that students be at least one year post high school prior to applying to the program. Students with concerns or questions should contact the program to schedule an appointment with an advisor.
- Personal qualifications considered for acceptance include intelligence, initiative, social concern, appreciation for human diversity, dependability, humanitarian interests in helping people and in improving human services and college-level reading and writing skills.

Degree Requirements
- Students who are pending Social Work and are admitted to the program must adopt the most current catalog
- Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Social Work
- Students should complete the General Education Program, the CLAS and the Common Program Prerequisite Requirements before beginning the Social Work Program
- Students should consult with a school advisor
- The courses designated in sections 1 (general education) and 2 (common program prerequisites) below may be taken at a college or university other than UCF, and should usually be completed in the first 60 hours
- A minimum overall GPA of 2.5 is required in all Social Work courses with a minimum grade of "C" (2.0) in each course
- Students must earn an overall GPA of 2.5 for entry into field education (SOW 4510 or SOW 4941 part-time) and to be eligible for graduation from the Social Work Program
- Students must complete all the requirements listed in 1-11 below

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   Prefer: SPC 1608 Fundamentals of Oral Communication 3 hrs

   B: Cultural & Historical Foundations (9 hrs)

   C: Mathematical Foundations (6 hrs)

   Select 1:
   Suggested: STA 2014C Principles of Statistics or
   Suggested: STA 2023 Statistical Methods I 3 hrs

   Select 1:
   Suggested: MGF 1106 Finite Mathematics or
   Suggested: MGF 1107 Explorations in Mathematics 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: $11 per term
- Full-Time Student: $22 per term
### UCF Degree Programs

**D: Social Foundations**  
- Suggested: POS 2041 American National Government  
- Suggested: PSY 2012 General Psychology

**E: Science Foundations**  
- Suggested: BSC 1005 Biological Principles

**Select 1:**  
- Suggested: AST 2002 Astronomy or  
- Prefer: PSC 1121 Physical Science

**Select 2:**  
- ECO 2013 Principles of Macroeconomics or

**3. Core Requirements: Basic Level**  
- None

**4. Core Requirements: Advanced Level**  
- SOW 3104 Assessing I: Human Development  
- SOW 3111 Assessing II: Human Systems  
- SOW 3203 Social Work & Community Resources  
- SOW 3300 Practice I: Generalist Practice in Social Work  
- SOW 3352 Practice II: Interpersonal Skills in Social Work:  
- SOW 3401 Social Work Research  
- SOW 3620 Social Work with Diverse Populations  
- SOW 4232 Social Welfare Policies and Issues  
- SOW 4341 Micro-Level Roles and Interventions in Social Work  
- SOW 4343 Macro-Level Roles and Interventions in Social Work  
- SOW 4510 Field Education  
- SOW 4522 Field Education Seminar  
- SOW 4730 Documentation in Social Work Practice

**Required Principles of Statistics**  
- Choose two of the following suggested courses, or see advisor for more options:

**Foreign Language or Cultural Diversity Requirement**  
- Choose two of the following suggested courses

**5. Restricted Electives**  
- Select three hours in consultation with faculty advisor.

**6. Capstone Requirements**  
- None

**7. Foreign Language Requirements**  
- Admissions  
  - Two years of one foreign language in high school, or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.  
  - Students that transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

**Graduation**  
- Cultural Diversity Requirement or Foreign Language requirement

**8. Electives**  
- None

**9. Additional Requirements**  
- None

**10. Required Minors**  
- None

**11. Departmental Exit Requirements**  
- A minimum overall GPA of 2.5 in all social work courses with a minimum grade of “C” (2.0) or higher in each social work course.

**12. University Minimum Exit Requirements**  
- A 2.0 UCF GPA  
- 60 semester hours earned after CLEP awarded  
- 48 semester hours of upper division credit completed  
- 30 of the last 39 hours of course work must be completed in residency at UCF  
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.  
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**  
- 120

**Honors In Major**  
- Complete a three-credit directed reading course/or a three-credit COHPA Interdisciplinary Honor Course  
- Complete a three-credit thesis course  
- Earn a 3.5 GPA in your Social Work major  
- Earn a cumulative 3.2 GPA in your total UCF courses  
- Complete 60 hours of college credit, including 12 upper division hours at UCF

**Related Programs**  
- Criminal Justice  
- Psychology  
- Public Administration  
- Sociology

**Certificates**  
- Aging Studies  
- Children’s Services

**Related Minors**  
- Aging Studies  
- American Humanics  
- Health Services Administration  
- Non-Profit Management/American Humanics National Certification Program  
- Psychology  
- Sociology
and professional programs. Sociology courses are directly relevant to many contemporary issues, including murder and violent crime, domestic violence, global warming, alcohol and drug abuse, popular culture, and changes in the family. The department offers groups of courses in several areas, including social institutions, the environment, crime and deviance, popular culture, family, and diversity and social inequalities. As such, the B.A. in Sociology provides excellent grounding for a wide range of careers such as teaching, public administration, metropolitan planning, behavioral analysis, legal/court case assessment, law enforcement, marketing research, advertising, public relations, human resources, child welfare officer, victim advocate, convention/events organizer, environmental/social activist, social assistance specialist, and research analyst.

**Admission Requirements**
- None

**Degree Requirements**
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement: at least 30 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Sociology Department.
- Students must maintain a UCF GPA of at least 2.0 in all courses used for the major.
- Students must have a “C” (2.0) or higher in all core courses.
- Co-op credit cannot be used in this major.
- Directed Independent studies, directed independent research, and internships must be approved by the Sociology department prior to enrollment.
- No more than 12 hours of directed independent study, directed independent research, and internship (course numbers 3905, 4906, 5907, 4912, 5917, 3940, 4941) credit may be used for the major.
- Students should consult annually with a departmental advisor.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

<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><strong>C: Mathematical Foundations</strong></td>
<td>(6 hrs)</td>
</tr>
<tr>
<td><strong>Math:</strong></td>
<td>3 hrs</td>
</tr>
<tr>
<td>A satisfactory score in the Math Placement Test is required before enrolling in this course.</td>
<td></td>
</tr>
<tr>
<td>Pref  MAC 1105 College Algebra</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</td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>D: Social Foundations</strong></td>
<td>(6 hrs)</td>
</tr>
<tr>
<td><strong>Social Sciences</strong></td>
<td>3 hrs</td>
</tr>
<tr>
<td>Required SYG 2000 Introduction to Sociology</td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>Political Science/Economics</strong></td>
<td>3 hrs</td>
</tr>
<tr>
<td>Select one listed course</td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>E: Science Foundations</strong></td>
<td>(6 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.

| SYA 3110 Social Theory               | 3 hrs   |
| SYG 2000 Introduction to Sociology   | GEP     |

3. Core Requirements: Basic Level (0 hrs)

| SYG 2000 Introduction to Sociology   | GEP/CPP |

4. Core Requirements: Advanced Level (12 hrs)

| SYA 3110 Social Theory               |         |
| SYA 3400C Applied Social Statistics  |         |
| SYA 4300C Research Methods           |         |
| SYA 4450 Data Analysis               |         |

5. Restricted Electives (27 hrs)

Select from the following courses:
- All special topics courses with the prefixes SYA, SYD, SYO, or SYP count toward the restricted electives requirement.

| SYA 3120 Contemporary Social Theory  | 3 hrs   |
| SYA 4650C Community Action and Involvement | 3 hrs |
| SYA 5625 ProSeminar                   | 3 hrs   |
| SYA 5652 Advanced Population          | 3 hrs   |
| SYD 3410 Urban Society                | 3 hrs   |
| SYD 3700 Race and Ethnicity           | 3 hrs   |
| SYD 3800 Sex and Gender in Society    | 3 hrs   |
| SYD 4020 Birth, Death, and Population Trends | 3 hrs |
| SYD 4510 Environment and Society      | 3 hrs   |
| SYD 4810 Women in Contemporary Society | 3 hrs |
| SYD 4813 Women, Law and Social Change | 3 hrs   |
| SYG 2010 Social Problems              | 3 hrs   |
| SYG 3000 Contemporary Society         | 3 hrs   |
| SYO 3360 Social Organization and Human Relations | 3 hrs |
| SYO 3410 Patterns of Mental Health in Society | 3 hrs |
| SYO 3530 Social Power and Inequality  | 3 hrs   |
| SYO 4100 Family Trends                | 3 hrs   |
| SYO 4200 Religion in Society          | 3 hrs   |
| SYO 4250 Education and Social Achieve ment | 3 hrs |
| SYO 4300 Political Sociology          | 3 hrs   |
| SYO 4400 Medical Sociology            | 3 hrs   |
| SYP 3300 Fads, Crowds, and Social Action | 3 hrs |
| SYP 3400 Social Change                | 3 hrs   |
| SYP 3510 Sociology of Deviant Behavior | 3 hrs |
| SYP 3511 Sociology of Murder          | 3 hrs   |
| SYP 3520 Criminology                   | 3 hrs   |
| SYP 3530 Juvenile Delinquency          |         |
| SYP 3540 Sociology of Law             | 3 hrs   |
| SYP 3551 Patterns of Alcoholism in Society | 3 hrs |
| SYP 3562 Patterns of Domestic Violence in Society | 3 hrs |
| SYP 3602 Patterns of Popular Music in Society | 3 hrs |
| SYP 3630 Popular Culture In Society    | 3 hrs   |
| SYP 3650 Sports and Society           | 3 hrs   |
| SYP 4000 Sociological Social Psychology | 3 hrs |
| SYP 4004 Constructing Social Issues   | 3 hrs   |
| SYP 4514 Patterns of Violence in Society | 3 hrs |
| SYP 4521 Crime Victims in Society     | 3 hrs   |
| SYP 4536 Gangs and Society            | 3 hrs   |
| SYP 4550 Patterns of Drug Abuse in Society | 3 hrs |
| SYP 4730 Patterns of Aging in Society  | 3 hrs   |
| SYP 4732 Minority Aging               | 3 hrs   |
| SYP 5525 Sociological Criminology      | 3 hrs   |

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Met by graduation requirement.

Graduation
- Proficiency equivalent to one year of college instruction in either a foreign language, or three semesters equivalent of American Sign Language. Standardized examinations may be used to meet the requirement.
8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- A minimum GPA of 2.0 in all courses used for the major.
- A minimum grade of "C" (2.0) in all core courses.
- Students will be required to take a standard exit exam in their graduating semester.
- Before applying to graduate, the CLAS must be completely satisfied.
- Computer Competency met by the following: SYA 4450 Data Analysis 4 hrs

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Anthropology
- Criminal Justice

Certificates
- None

Related Minors
- African American Studies
- American Studies
- Anthropology
- Anthropology in Multicultural Studies
- Asian Studies
- Judaic Studies
- Latin American Area Studies
- Sociology
- Women’s Studies

Advising Notes
- None

Transfer Notes
- Lower division courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information (e.g., syllabus, course catalog description).

Acceptable Substitutes for Transfer Courses
- SYG 2000; although the CPP accepts any lower division sociology course, this course is a prerequisite for subsequent sociology courses and still must be taken.
- SYA 3110: although the CPP accepts any SYA, SYD, SYG, SYO, or SYP course, this course is required in the program and must be taken.

Plan of Study
- This is one of numerous possible plans of study. See program description for all requirements.
- Prior to enrolling in Math, take Math Placement Test ~ http://mathplacement.sdes.ucf.edu/

Freshman Year - Fall 16 hrs
- Foreign Language 4 hrs
- GEP 3 hrs
- ENC 1101 Composition I 3 hrs
- MAC 1105 College Algebra 3 hrs
- SYG 2000 Introduction to Sociology 3 hrs

Freshman Year - Spring 16 hrs
- Free Elective 3 hrs
- Foreign Language 4 hrs
- GEP 3 hrs
- ENC 1102 Composition II 3 hrs
- STA 2014C Principles of Statistics 3 hrs

Sophomore Year - Fall 15 hrs
- GEP 3 hrs
- GEP 3 hrs
- Restricted Elective 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs

Sophomore Year - Spring 16 hrs
- GEP 3 hrs
- GEP 3 hrs
- Restricted Elective 4 hrs
- Restricted Elective 3 hrs
- Free Elective 3 hrs

Junior Year - Fall 14 hrs
- GEP 3 hrs
- Restricted Elective 3 hrs
- SYA 3400C Applied Social Statistics 4 hrs
- SYA 4300C Research Methods 4 hrs

Junior Year - Spring 14 hrs
- Free Elective 3 hrs
- Free Elective 4 hrs
- SYA 3110 Social Theory 3 hrs
- SYA 4450 Data Analysis 4 hrs

Senior Year - Fall 15 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs

Senior Year - Spring 14 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Free Elective 3 hrs
- Free Elective 2 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $7.50 per term
- Full-Time Student: $15 per term
UCF Degree Programs

Spanish (B.A.)
College of Arts and Humanities
Department of Modern Languages and Literatures,
Colbourn Hall, Room: 523
http://mll.caah.ucf.edu/
E-mail: forlang@mail.ucf.edu
Dr. Paul Giordano
Phone: 407-823-2472

Placement in language courses is based on one year of high school language being equivalent to one semester of college work. For example, four years of high school Spanish place the student in the first semester of the third year. Native Spanish speakers, near-native Spanish speakers, or students who have received advanced education abroad must substitute select classes.

Admission Requirements
■ None

Degree Requirements
■ 36 credits in Spanish must be taken at the 3000 level or above.
■ At least 6 of the 36 Spanish credits must be at the 4000 level.
■ At least 30 credit hours must be taken in Modern Language courses taught in Spanish.
■ Students must earn at least a “C” (2.0) in each upper division Spanish course.
■ Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Modern Languages and Literatures.
■ Language credit by exam will not be given in courses lower in level than those in which students are presently enrolled. Native speakers will be allowed Credit by Examination in literature courses only.
■ Co-op or internship credit cannot be used in this major.
■ Students must see their departmental advisor to obtain proper counseling and have their schedule approved before registering for classes 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)
■ SPN 1102C  Elementary Spanish Language and Civilization I  4 hrs
■ SPN 2200  Intermediate Spanish Language and Civilization I  3 hrs

B: Cultural & Historical Foundations (9 hrs)
■ SPN 1120C  Elementary Spanish Language and Civilization I  4 hrs
■ SPN 2200  Intermediate Spanish Language and Civilization I  3 hrs

C: Mathematical Foundations (6 hrs)
■ MGF 1106  Finite Mathematics  3 hrs
■ STA 1060C  Basic Statistics Using Microsoft Excel  3 hrs

D: Social Foundations (6 hrs)
■ SPN 2200  Intermediate Spanish Language and Civilization I  3 hrs
■ SPN 3234  Advanced Directed Readings  3 hrs

E: Science Foundations (6 hrs)
■ CHE 1000C  General Chemistry I and Lab  3 hrs

2. Common Program Prerequisites (CPP) (0 hrs)
■ See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements: Basic Level (0 hrs)
■ SPN 3234  Advanced Directed Readings  3 hrs

4. Core Requirements: Advanced Level (15 hrs)
■ SPN 3300  Advanced Spanish Grammar and Composition  3 hrs
■ SPN 3420  Spanish Composition  3 hrs
■ SPN 3760  Advanced Spanish Oral Communication  3 hrs

Select one of the following sequences of courses:
■ SPW 3101  Survey of Spanish Literature I and  3 hrs
■ SPW 3101  Survey of Spanish Literature II  3 hrs
or
■ SPW 3130  Survey of Latin-American Literature I and  3 hrs
■ SPW 3131  Survey of Latin-American Literature II  3 hrs

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 3852  Bilinguismo  3 hrs
■ SPN 4780  Spanish Phonetics  3 hrs
■ SPN 4800  Spanish-American Syntax  3 hrs
■ SPN 4801  Spanish Morphosyntax  3 hrs

6. Capstone Requirements
■ None

7. Foreign Language Requirements
Admissions
■ Meet by Graduation requirements.

Graduation
■ Meet by Common Program Prerequisites.

8. Electives
■ Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
■ None

10. Required Minors
■ None

11. Departmental Exit Requirements
■ Earn a grade of “C” (2.0) or higher in at least 36 credit hours of upper division Spanish courses.
■ Students are required to satisfactorily complete a departmental exit exam. The exam is offered each September and February; students should discuss the optimal test date with their advisor.
■ Computer Competency met by the following or equivalent: CEG 1060C  Introduction to Computer Science  3 hrs

12. University Minimum Exit Requirements
■ A 2.0 UCF GPA
■ 60 semester hours earned after CLEP awarded
■ 48 semester hours of upper division credit completed
■ 30 of the last 39 hours of course work must be completed in residency at UCF
■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
■ Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
■ 120
Honors In Major
■ None

Related Programs
■ French
■ Modern Language Combination

Certificates
■ None

Related Minors
■ French
■ Italian
■ Judaic Studies
■ Latin American Area Studies
■ Spanish

Advising Notes
■ None

Transfer Notes
■ Courses taken at community colleges do not substitute for Upper Division courses.
■ Courses transferred from private and out-of-state schools must be evaluated by the department chair for equivalency credit. The student must provide all supporting information.
■ Native speakers, or students who have received advanced education in Spanish-speaking societies, may not take lower division Spanish courses. They must substitute Third-year level composition and conversation courses.

Acceptable Substitutes for Transfer Courses
■ None

Plan of Study
■ One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Freshman Year - Fall
Elective / Minor 3 hrs
ANT 2000 General Anthropology 3 hrs
ENC 1101 Composition I 3 hrs
MGF 1106 Finite Mathematics 3 hrs
SPN 1120C Elementary Spanish Language and Civilization I 4 hrs

Freshman Year - Spring
Elective / Minor 4 hrs
ENC 1102 Composition II 3 hrs
SPN 1121C Elementary Spanish Language and Civilization II 4 hrs
STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

Sophomore Year - Fall
AMH 2010 U.S. History: 1492-1877 3 hrs
ARH 2050 History of Western Art I 3 hrs
POS 2041 American National Government 3 hrs
PSY 1211 Physical Science 3 hrs
SPN 2200 Intermediate Spanish Language and Civilization I 3 hrs

Sophomore Year - Spring
Elective / Minor 3 hrs
BSC 1005 Biological Principles 3 hrs
COM 1000 Introduction to Communication 3 hrs
MUL 2010 Enjoyment of Music 3 hrs
SPN 3234 Advanced Directed Readings 3 hrs

Junior Year - Fall
Elective / Minor 3 hrs
Elective / Minor 3 hrs
SPN 3300 Advanced Spanish Grammar and Composition 3 hrs
SPN 3420 Spanish Composition 3 hrs
SPN 3760 Advanced Spanish Oral Communication 3 hrs

Junior Year - Spring
Elective / Minor 3 hrs
Elective / Minor 3 hrs
SPN 3141 Business Spanish II 3 hrs
SPN 4780 Spanish Phonetics 3 hrs
SPW 3101 Survey of Spanish Literature II 3 hrs

Senior Year - Fall
Elective / Minor 3 hrs
Elective / Minor 3 hrs
SPN 4520 Latin American Civilization and Culture 3 hrs
SPN 5705 Introduction to Spanish Linguistics 3 hrs
SPW 3100 Survey of Spanish Literature I 3 hrs

Senior Year - Spring
Elective / Minor 3 hrs
Elective / Minor 3 hrs
SPN 4410 Advanced Spanish Conversation 3 hrs
SPW 3131 Survey of Latin-American Literature II 3 hrs
SPW 4381 Latin-American Theatre/Poetry 3 hrs

Program Academic Learning Compacts
■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Sport and Fitness (B.S.)
College of Education
Department of Child, Family and Community Sciences, Education Building, Room: 209
http://pegasus.cc.ucf.edu/~sportfit/
Dr. Debby Mitchell, ED 320H, mitchell@mail.ucf.edu

The Sport and Fitness B.S. program is offered at the UCF Orlando and UCF South Lake (Clermont) Campuses. The program prepares graduates for positions with university athletic programs, community sports organizations, private and public fitness and recreation programs, and multipurpose facilities. Students select from five areas of specialization (i.e., Coaching; Fitness Training; Children's Physical Activity and Movement; Physical Human Performance; or Recreation). While in the program, students complete professional certification(s) within their specialization as part of their program requirements. Students are provided with a mix of course content and practical field experiences. Students may be required to participate in courses and/or field experiences at both the UCF Orlando campus and the UCF South Lake (Clermont) Campus sites. The capstone activities of the program include two Practicums with high-quality program partners that provide invaluable hands-on knowledge and experiences in the student's chosen field.

Admission Requirements
■ Complete the University General Education Requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university; or the AS degree from the affiliated program at Lake Sumter Community College.
■ Have a minimum 2.0 overall GPA.
■ Meet the University CLAS requirement.
■ Complete program prerequisite courses prior to admission to the major and upper level courses.

Degree Requirements
■ Students should consult with an advisor on a regular basis. The courses designated in 1. (General Education), 2. (Sport and Fitness Lower Division), and 3. (Lower Division Electives) should be completed prior to admission to the major and upper division courses.
■ Students who change degree programs and select this major must adopt the most current catalog.
■ Students should see an advisor prior to selecting this major, and at least every semester thereafter.
■ Students must earn at least a “C-” (1.75) in each required course and maintain an overall GPA of at least a 2.0.
UCF Degree Programs

- Prior to participation in Sport and Fitness Practicum I and Practicum II listed below, students must have achieved admission into one of the areas of specialization listed and described below.
- Students must meet with their advisor prior to enrollment in Sport and Fitness Practicum I and Practicum II to complete departmental approval and approval process of the organization with which they will be working.

1. UCF General Education Program (GEP) (37 hrs)
   A: Communication Foundations (9 hrs)
   - Required ENC 1101 Composition I 3 hrs
   - Required ENC 1102 Composition II 3 hrs
   - Preferred SPC 1106 Fundamentals of Oral Communication 3 hrs
   B: Cultural & Historical Foundations (9 hrs)
   - Prefer AMH 2010 U.S. History: 1492-1877 3 hrs
   - Prefer AMH 2020 U.S. History: 1877-Present 3 hrs
   - Elective from GEP section B.2 3 hrs
   C: Mathematical Foundations (6 hrs)
   - Prefer MGF 1106 Finite Mathematics 3 hrs

   Select 1:
   - Prefer STA 1060C Basic Statistics Using Microsoft Excel or STA 2014C Principles of Statistics 3 hrs

   Select 2:
   - Preferred POS 2041 American National Government 3 hrs
   - Prefer PSY 2012 General Psychology 3 hrs

   D: Social Foundations (6 hrs)
   - Required BSC 2010C Biology I 4 hrs
   - Prefer PSC 1121 Physical Science 3 hrs

   E: Science Foundations (7 hrs)
   - Required ZOO 3736C Exercise Physiology Anatomy 4 hrs

   Lower Division Electives (13 hrs)
   Students may select other electives but are advised to take the following courses to improve their preparation for their specialization. (Choose courses with prefixes: PEL, PEM, PEO, PET, DAE, HFT, EEX, EDF, EDG, HSC, HUN, CHM)

   Sport and Fitness Core (15 hrs)
   - PET 4312 Biomechanics 3 hrs
   - PET 4401 Administration and Evaluation in Sport and Fitness 3 hrs
   - PET 4550 Fitness Assessment 3 hrs
   - SPM 3904 Fiscal and Facilities: Issues in Sport and Fitness 3 hrs
   - SPM 4723 Legal Issues in Sport and Fitness 3 hrs

   Select one Specialization and Electives- approved by advisor (27 hrs)

   A. Coaching Specialization
   - PET 3361 Nutrition for Sport and Fitness 3 hrs
   - PET 3768 Group Exercise Instruction 3 hrs
   - PET 4083 Personal Training Methods 3 hrs
   - PET 4215 Motivational Aspects of Athletic Performance 3 hrs
   - PET 4351C Applied Exercise and Human Physiology 3 hrs
   - SPM 3415 Public Relations in Sport and Fitness 3 hrs

   Select 1:
   - PET 3125 Fitness and Weight Management or PET 3771 Strength and Conditioning Concepts 3 hrs

   Select six hours of electives (as approved by Advisor) 6 hrs

   B. Fitness Training Specialization
   - PET 3361 Nutrition for Sport and Fitness 3 hrs
   - PET 3768 Group Exercise Instruction 3 hrs
   - PET 4083 Personal Training Methods 3 hrs
   - PET 4215 Motivational Aspects of Athletic Performance 3 hrs
   - PET 4351C Applied Exercise and Human Physiology 3 hrs
   - SPM 3415 Public Relations in Sport and Fitness 3 hrs

   Select 1:
   - PET 3125 Fitness and Weight Management or PET 3771 Strength and Conditioning Concepts 3 hrs

   C. Children's Physical Activity & Movement (27 hrs)
   - Complete the following required courses and complete one group.
     - DAE 3370 Dance and Rhythms 3 hrs
     - PET 3820 Personal Training Methods 3 hrs
     - PET 4083 Personal Training Methods 3 hrs
     - PET 4215 Motivational Aspects of Athletic Performance 3 hrs
     - PET 4710 Methods for Physical Activity for Children and Adolescents 3 hrs

   Group 1- Education: School-Age Focus (9 hrs)
   - Note: Students must enroll in Education minor
     - EDF 4467 Learning Theory and Assessment and Evaluation 3 hrs
     - EDF 4603 Analysis and Application of Teaching Methods 3 hrs
     - EDF 4641 Safety Issues in Schools and Communities 3 hrs
     - EDG 4410 Teaching Strategies and Classroom Management 3 hrs

   Select 1:
   - RED 4043 Content Reading in Kindergarten through Grade 12 or
   - TSL 4080 Theory and Practice of Teaching ESOL 3 hrs

   Students in Schools 3 hrs

   Group 2-Coaching Children Focus (6 hrs)
   - PET 3765 Coaching Theory and Evaluation 3 hrs
   - PET 4763 Coaching Methods and Principles 3 hrs

   Select 2:
   - PET 3324 Coaching Volleyball or
   - PEO 3644 Coaching Football or
   - PEO 4215 Motivational Aspects of Athletic Performance or
   - SPM 3204 Sports and Ethics or
   - SPM 3415 Public Relations in Sport and Fitness 3 hrs

   Group 3-Children’s Fitness Focus (15 hrs)
   - PET 3361 Nutrition for Sport and Fitness and
   - PET 3771 Strength and Conditioning Concepts and
   - PET 4215 Motivational Aspects of Athletic Performance and
   - SPM 3415 Public Relations in Sport and Fitness and
   - PET 3939 Group Exercise Instruction 3 hrs

   Group 4- Early Childhood Development Focus (12 hrs)
   - EEC 3700 Social and Emotional Development of Young Children and
   - EEC 4303 Planning Creative Activities in Early Childhood and
   - EEC 4604 Classroom Management and Guidance of Young Children and
   - EEC 4661 Early Childhood Education Theory and Practice 3 hrs

   D. Physical Human Performance Specialization (27 hrs)
   - PET 3361 Nutrition for Sport and Fitness 3 hrs
   - PET 3771 Strength and Conditioning Concepts 3 hrs
   - PET 4083 Personal Training Methods 3 hrs
   - PET 4215 Motivational Aspects of Athletic Performance 3 hrs
   - PET 4351C Applied Exercise and Human Physiology 3 hrs
   - PET 4625 Human Injuries: Mechanics & Prevention 3 hrs

   Select nine hours of electives (as approved by Advisor) 9 hrs
### Recreational Specialization

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tr>
<td>APK 3132</td>
<td>Triathlon Training and Performance</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 3765</td>
<td>Coaching Theory</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 3820</td>
<td>Teaching Sports Skills I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 4002</td>
<td>Outdoor and Leisure Activities</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPM 3130</td>
<td>Aquatic Management</td>
<td>3 hrs</td>
</tr>
<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 Fitness</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Restricted Electives

- **Sport and Fitness Practica**
  - During the final year of the program, students will complete Practicum requirements with a Sport or Fitness organization. These experiences will provide the student with actual professional experiences and practical hands-on knowledge of the career in which they have chosen to work. The design of Practicum I will be that of an observational and analytical role. During Practicum II, the student will be given responsibilities and assignments through the organization in which they have been placed and will carry an active role in the operation of the organization.
  - In both Practicum I and Practicum II, the student will be working directly with a Placement Coordinator in the organization and their University Supervisor. The University Supervisor will maintain periodic contact with the Placement Coordinator to check performance status. The Sport and Fitness program has developed tremendous opportunities through associations with partners in the Clermont and greater Orlando areas. Students will not be limited to these organizations. Students will have the option to arrange their own practicum experience if they so choose. In either case, before enrolling in either Practicum I or Practicum II, students must meet with their advisor to provide organization contact information and gain Practicum Placement Approval.
  - The students will be instructed that they will be representing not only themselves while on site during their practicum experiences, but also the University of Central Florida and the Sport and Fitness Program. Professionalism in manner, dress and job performance will be expected at all times. Should there be any question of the performance of the students during their practicum experience, they will be required to meet with their University Supervisor and their Faculty Advisor for a performance evaluation before returning to the Practicum site. The performance concerns will be addressed and a plan of action will be developed. If the problems persist and the situation warrants, the students may be removed from their Practicum experience.

### Capstone Requirements

- None

### Foreign Language Requirements

- **Admissions**
  - (0-8 hrs.) State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

### Graduation

- None

### Additional Requirements

- None

### Required Minors

- None

### Required Credits

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tr>
<td>PET 4925</td>
<td>Sport and Fitness Practicum I</td>
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<tr>
<td>PET 4926</td>
<td>Sport and Fitness Practicum II</td>
<td>12 hrs</td>
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</tbody>
</table>

### Related Programs

- None

### Certificates

- None

### Related Minors

- None

### Advising Notes

- None

### Transfer Notes

- Students who transfer from another institution may be permitted to take the prerequisite course, PET 3137-Concepts and Practices, concurrently with the remaining core classes in their first term of enrollment in the Sport and Fitness program.

### Acceptable Substitutes for Transfer Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>BSC 2093C</td>
<td>Exercise Physiology Anatomy</td>
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<tr>
<td>PET 2622C</td>
<td>Exercise Physiology Anatomy</td>
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### Plan of Study

#### Freshman Year - Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tr>
<td>ENC 1101</td>
<td>Composition I</td>
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<tr>
<td>PSC 1121</td>
<td>Physical Science</td>
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<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
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#### Freshman Year - Spring

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<tr>
<td>BSC 2010C</td>
<td>Biology I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MGF 1106</td>
<td>Finite Mathematics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>POS 2041</td>
<td>American National Government</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPC 1608</td>
<td>Fundamentals of Oral Communication</td>
<td>3 hrs</td>
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#### Sophomore Year - Fall

<table>
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<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>ZOO 3736C</td>
<td>Exercise Physiology Anatomy</td>
<td>4 hrs</td>
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#### Select 1:

<table>
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<tr>
<td>CGS 1060C</td>
<td>Introduction to Computer Science or Python</td>
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<td>STA 1060C</td>
<td>Basic Statistics Using Microsoft Excel or Python</td>
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<td>STA 2014C</td>
<td>Principles of Statistics</td>
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<table>
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#### Sophomore Year - Spring

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<tr>
<td>PET 2622C</td>
<td>Human Injuries</td>
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<tr>
<td>PET 3137</td>
<td>Concepts &amp; Practices in Sport and Fitness</td>
<td>3 hrs</td>
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<tr>
<td>GEP B.1</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective</td>
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### Departmental Exit Requirements

- A minimum overall GPA of 2.5.
- Complete three Specialization Certifications.
- Participation in event operations of a minimum of one major sport and fitness event.
- Successful completion of 18 hours of Practicum Experience.

### University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A 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

### Admissions Requirements

- None

### Related Programs

- None

### Certificates

- None

### Related Minors

- None

### Advising Notes

- None

### Transfer Notes

- Students who transfer from another institution may be permitted to take the prerequisite course, PET 3137-Concepts and Practices, concurrently with the remaining core classes in their first term of enrollment in the Sport and Fitness program.

### Acceptable Substitutes for Transfer Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>BSC 2093C</td>
<td>Exercise Physiology Anatomy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 2622C</td>
<td>Exercise Physiology Anatomy</td>
<td>3 hrs</td>
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### Plan of Study

#### Freshman Year - Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tr>
<td>ENC 1101</td>
<td>Composition I</td>
<td>3 hrs</td>
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<tr>
<td>PSC 1121</td>
<td>Physical Science</td>
<td>3 hrs</td>
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<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
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#### Freshman Year - Spring

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<tbody>
<tr>
<td>BSC 2010C</td>
<td>Biology I</td>
<td>4 hrs</td>
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<tr>
<td>ENC 1102</td>
<td>Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MGF 1106</td>
<td>Finite Mathematics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>POS 2041</td>
<td>American National Government</td>
<td>3 hrs</td>
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<tr>
<td>SPC 1608</td>
<td>Fundamentals of Oral Communication</td>
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#### Sophomore Year - Fall

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<thead>
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<tbody>
<tr>
<td>ZOO 3736C</td>
<td>Exercise Physiology Anatomy</td>
<td>4 hrs</td>
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#### Select 1:

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<tbody>
<tr>
<td>CGS 1060C</td>
<td>Introduction to Computer Science or Python</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 1060C</td>
<td>Basic Statistics Using Microsoft Excel or Python</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 2014C</td>
<td>Principles of Statistics</td>
<td>3 hrs</td>
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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>GEP B.1</td>
<td></td>
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</tr>
<tr>
<td>Elective</td>
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#### Sophomore Year - Spring

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<tr>
<td>PET 2622C</td>
<td>Human Injuries</td>
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<tr>
<td>PET 3137</td>
<td>Concepts &amp; Practices in Sport and Fitness</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP B.1</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective</td>
<td></td>
<td>3 hrs</td>
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</table>
Sophomore Year - Summer 6 hrs
  GEP B.2 3 hrs
  Elective 3 hrs

Junior Year - Fall 12 hrs
  PET 4312 Biomechanics 3 hrs
  PET 4550 Fitness Assessment 3 hrs
  SPM 4723 Legal Issues in Sport and Fitness 3 hrs
  Specialization course 3 hrs

Junior Year - Spring 15 hrs
  PET 4401 Administration and Evaluation in Sport and Fitness 3 hrs
  SPM 3504 Fiscal and Facilities: Issues in Sport and Fitness 3 hrs
  Specialization course 3 hrs
  Specialization course 3 hrs
  Specialization course 3 hrs

Senior Year - Summer 3 hrs
  Specialization course 3 hrs

Senior Year - Fall 15 hrs
  PET 4925 Sport and Fitness Practicum I 6 hrs
  Specialization course 3 hrs
  Specialization course 3 hrs
  Specialization course 3 hrs

Senior Year - Spring 12 hrs
  PET 4926 Sport and Fitness Practicum II 12 hrs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Statistics (B.S.)
College of Sciences
Department of Statistics,
Computer Center II, Room: 212
http://statistics.cos.ucf.edu/
E-mail: statistics@ucf.edu
Dr. David Nickerson, 407-823-5528
Phone: 407-823-2289

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement: at least 15 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Statistics Department.
- Students must earn at least a “C” (2.0) in each course with a STA prefix.
- A minimum 2.0 average is required in all computer science and mathematics courses that count toward a statistics major.
- Co-op or internship credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Courses designated in 1 (General Education Program) are generally spread over 4 years, and those designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- All statistics courses except the following, and those protected by Florida Common Course Numbering must be taken from, or approved by the Statistics Department at UCF.

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)
5. Restricted Electives (6 hrs)
- Select from upper division or graduate (5000 level), statistics, mathematics, or computer science courses.
- Selected courses in engineering or business may be used but must first be approved by the Statistics Department.
- The following courses cannot be used to satisfy this requirement:
  - MAC 2233 Concepts of Calculus 3 hrs
  - MAC 2253 Applied Calculus I 3 hrs
  - MAC 2254 Applied Calculus II 3 hrs
  - MHF 4404 History of Mathematics 3 hrs
  - All MAE courses

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.
- The following courses from business may be used without prior approval by the Statistics Department.
  - ACG 2021 Principles of Financial Accounting 3 hrs
  - ACG 2071 Principles of Managerial Accounting 3 hrs
  - ECO 2023 Principles of Microeconomics 3 hrs
  - FIN 3403C Business Finance 4 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.
- Computer Competency met by the following:
  - STA 4102 Computer Processing of Statistical Data 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
- Mathematics - Applied Track
- Mathematics Education

Certificates
- None

Related Minors
- Mathematics
- Statistics

Advising Notes
- It is the student’s responsibility to ensure they have satisfied course prerequisites before registering for a class.

Transfer Notes
- Lower division courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- The following substitutions are acceptable for Common Program Prerequisites if taken as part of the AA course work.
  - Computer Science: any COP programming language course will satisfy the CPP. However, the listed course is a prerequisite for Computer Sciences courses and still may need to be taken.
  - Biology: any laboratory BSC, CHM, or PHY course will satisfy the CPP. However the listed is a program core requirement and will need to be taken.
  - Statistics: although any STA 2XXX course will satisfy the CPP, the listed course is required in the program’s core and will still need to be taken.

Plan of Study (120 hrs)
- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Prior to enrolling in Chemistry, take Chemistry Placement Test ~ http://chemplacement.sdes.ucf.edu
- Prior to enrolling in Math, take Math Placement Test ~ http://mathplacement.sdes.ucf.edu/

Freshman Year - Fall 13 hrs
- GEP 3 hrs
- ENC 1101 Composition I 3 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- STA 2023 Statistical Methods I 3 hrs

Freshman Year - Spring 15 hrs
- BSC 2010C Biology I 4 hrs
- ENC 1102 Composition II 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs

Select one course:
- CHM 2045C Chemistry Fundamentals I or 4 hrs
- PHY 2053C College Physics I 4 hrs

Sophomore Year - Fall 16 hrs
- GEP 3 hrs
- GEP 3 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- STA 4163 Statistical Methods II 3 hrs

Sophomore Year - Spring 15 hrs
- Core Course 3 hrs
- Core Course 3 hrs
- COP 3223 Introduction to Programming with C 3 hrs
- STA 4164 Statistical Methods III 3 hrs

Junior Year - Fall 15 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Core Course 3 hrs
- Core Course 3 hrs
- STA 4321 Statistical Theory I 3 hrs
UCF Degree Programs

Junior Year - Spring 16 hrs
- Free Elective 3 hrs
- Core Course 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
- STA 4322 Statistical Theory II 3 hrs

Senior Year - Fall 15 hrs
- Elective / Minor 3 hrs
- Core Course 3 hrs
- COT 4500 Numerical Calculus 3 hrs
- ENC 3241 Writing for the Technical Professional 3 hrs
- STA 4102 Computer Processing of Statistical Data 3 hrs
- Take SOA EXAM P (Probability).

Senior Year - Spring 15 hrs
- GEP 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student:
- Full-Time Student:

Technical Education and Industry Training (B.S.)
College of Education
Department of Teaching and Learning Principles, Education Building, Room: 209
http://education.ucf.edu/teched/
Dr. Jo Ann M. Whiteman, ED 115D, jwhitema@mail.ucf.edu
Phone: 407-823-2848

This program offers upper division courses via the World Wide Web. Students must complete all University-wide graduation requirements (general education, foreign language, CLAS, Gordon Rule, etc.), some of which are not available via distributed learning. For more information, see http://distrib.ucf.edu/home.

Admission Requirements
- Complete the University General Education requirements or its equivalent, (i.e. an AA degree from an approved Florida community college or state university)
- Have a minimum 2.5 overall GPA
- Meet the University CLAS or CLAS alternative criteria
- Complete prerequisite courses
- Meet the Gordon Rule Requirement
- Meet Foreign Language Admission Requirement

Degree Requirements
- Students should consult with an Education advisor prior to registration.
- This degree is for students in adult Technical Education and Industry Training. Some students are full-time or part-time teachers in the public school sector, including middle schools, high schools, adult technical centers and community colleges. Some serve as technical education teachers with the Department of Corrections. Other program participants are retired military personnel who were technicians or trainers and now wish to become teachers or industry-specific trainers. All students have set a common goal of attaining a bachelor’s degree in an area that draws upon their experiences, interests, and expertise. This degree does not lead to initial teacher certification at the state level.

1. UCF General Education Program (GEP) (36 hrs)
- A: Communication Education Foundations (9 hrs)
  - Required ENC 1101 Composition I 3 hrs
  - Required ENC 1102 Composition II 3 hrs
  - Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs
- B: Cultural & Historical Foundations (9 hrs)
- C: Mathematical Foundations (6 hrs)
- D: Social Foundations (6 hrs)
- E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (9 hrs)
- 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 (0 hrs)
- None

4. Core Requirements: Advanced Level (57 hrs)
- ADE 4382 Teaching Adult Learners in Technical Programs 3 hrs
- EVT 3062 Professional Role of the Vocational Teacher 3 hrs
- EVT 3365 General Methods/Testing Evaluation in Vocational Education 3 hrs
- EVT 3367 Evaluation of Vocational Instruction 3 hrs
- EVT 3502 Special Needs of Vocational Students 3 hrs
- EVT 4065 Principles and Practices of Technical Education 3 hrs
- EVT 4169 Curriculum Development Techniques for Industry Training 3 hrs
- EVT 4368 Advanced Teaching Techniques for Vocational Education 3 hrs

Select 1: 3 hrs
- BTE 4410 Course Construction in Business Education or
- EVT 3312 Course Construction in Health Occupations Education or
- EVT 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)
■ It is highly recommended that students seeking State Certification pass the GKT. See advisor for further details.

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: 3 hrs
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
EVT 3502 Special Needs of Vocational Students 3 hrs
Select 1: 3 hrs
EVT 3312 Course Construction in Health Occupations or Education or EVT 3371 Course Construction in Industrial Education 3 hrs

Junior Year - Fall 15 hrs
EVT 3365 General Methods/Testing Evaluation in Vocational Education 3 hrs
Technical Specialization Courses 12 hrs

Junior Year - Spring 15 hrs
EVT 3062 Professional Role of the Vocational Teacher 3 hrs
EVT 3367 Evaluation of Vocational Instruction 3 hrs
Technical Specialization Courses 9 hrs

Junior Year - Summer 6 hrs
EVT 4065 Principles and Practices of Technical Education 3 hrs
EVT 4169 Curriculum Development Techniques for Industry Training 3 hrs

Senior Year - Fall 12 hrs
ADE 4382 Teaching Adult Learners in Technical Programs 3 hrs
EVT 4368 Advanced Teaching Techniques for Vocational Education 3 hrs
Upper Division Electives 6 hrs

Senior Year - Spring 12 hrs
EVT 4941 Internship 12 hrs

Senior Year - Summer
■ It is highly recommended that students seeking State Certification pass the GKT. See advisor for further details.

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

Theatre (B.F.A.)
College of Arts and Humanities
Department of Theatre, UTC, Room: 180
http://www.theatre.cah.ucf.edu/
Dr. Be Boyd, bboyd@mail.ucf.edu, 407-823-2862
Dr. Bert Scott, hscott@mail.ucf.edu, 407-823-2862
Phone: 407-823-2862

The Bachelor of Fine Arts Degree is offered for students who, upon graduation, plan to pursue a specialized career in professional theatre. It provides the student with a very structured and intensive career preparation in either Acting, Stage Management, or Design & Technology. The BFA is also an excellent degree for students who are interested in pursuing graduate studies in theatre. Work within the BFA program requires energy and dedication; therefore, other part-time study or outside employment is generally impossible. BFA standards are high, both for admission and for continuation in the program. Casting, crew, and design assignments are regulated to serve the artistic growth of students coordinating production experience with classroom exploration.

Admission Requirements
■ Entrance into most theatre classes is restricted to majors. Exceptions must be approved by the Undergraduate Coordinator.
Prior to graduation, all BFA acting majors (including transfers) must participate in at least 4 productions in addition to their Technical Theatre Production Lab. At least one participation credit must be an acting role, one must be a run crew, one must be a front of house assignment, and the final one can be chosen by the student.

Prior to graduation, all BFA Design & Technology and Stage Management majors (including transfers) must participate in at least 4 productions in addition to their Stagecraft I and II Labs. At least two participation credits must be in an advanced production position. The other two credits can be a combination of shop assignments, run crew, front of house, or department head. Stage Management majors can use performance assignments for participation assignments.

All BFA acting majors are required to audition for all Fall and Spring productions and must accept the roles assigned.

Due to the conservatory nature, the BFA demands a closely integrated four-year curriculum. Although the BFA program is not designed for transfer students, transfer students may audition and be admitted, but they should consult with the Theatre Department’s Undergraduate Coordinator to evaluate their transfer credits and to estimate the length of their program of study. We encourage any student wishing to transfer to complete the General Education Program and the Common Program Prerequisites before transferring within the Florida Public University/Community College System.

Design & Technology Students are required to take at least two level one design or technical direction elective courses following the completion of Scenography. Design & Technology Students are also required to take at least one level two design or technical direction elective course.

All BFA Theatre majors who participate in production work must be registered for the appropriate Theatre Participation course in the term in which they participate. Students need not take additional hours to satisfy practicum requirements. Once students have completed their production participation requirements, they may register for a "0" credit participation course to meet departmental registration requirements. Students may also use additional participation credits as electives.

The department will accept one credit of Theatre Participation coursework for students transferring into the program. Any additional transfer participation credits will count toward electives.

Students must follow the most recent department student handbooks which are available on the department web site at www.theatre.ucf.edu.

Courses designated 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

Courses designated 1 (General Education Program) are taken throughout all four years.

Design & Technology Students are required to take ARH 2051 as part of their GEP and are strongly encouraged to take ARH 2050 as an elective as early in their academic career as possible. Transfer students who have not completed ARH 2051 must complete the course at UCF.

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

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

D: Social Foundations (6 hrs)

1 (May substitute for a higher level math)
### E: Science Foundations
(6 hrs)

#### 2. Common Program Prerequisites (CPP)
(20 hrs)

- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

- THE 2020 Survey of Theatre for Majors GEP
- THE 2304 Script Analysis 1 hr
- TPA 2290L Theatre Participation-Production I 1 hr
- TIP 3310C Directing for Theatre I 1 hr

#### Select 1:
- TPA 2101 Fundamentals of Acting or
- TIP 2110C Acting I - Introduction 3 hrs

#### Select 1:
- TPA 2211 Stagecraft II or
- TIP 2170C Acting II - The Actor Prepares 3 hrs

### 3. Core Requirements: Basic Level
(9 hrs)

#### THE 2081C Introduction to UCF Theatre 0 hrs
#### THE 3311 Theatre History and Dramatic Literature I 3 hrs
#### THE 3312 Theatre History and Dramatic Literature II 3 hrs
#### THE 3313 Theatre History and Dramatic Literature III 3 hrs
#### THE 4954 Theatre Exit Critique 0 hrs

### 4. Core Requirements: Advanced Level
(64 hrs)

#### Specialization: select one area

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<th>Acting Specialization</th>
<th>61 hrs</th>
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<tbody>
<tr>
<td>DAA 2200C Ballet I and</td>
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</tr>
<tr>
<td>TPA 2248C Makeup Techniques and</td>
<td>2 hrs</td>
</tr>
<tr>
<td>TPA 2190L Theatre Participation-Performance I and</td>
<td>1 hr</td>
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<tr>
<td>TPA 2710C Voice Production I and</td>
<td>2 hrs</td>
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<tr>
<td>TPA 3172C Acting III - Building the Character and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 3257C Musical Theatre Voice I and</td>
<td>2 hrs</td>
</tr>
<tr>
<td>TPA 3258C Musical Theatre Voice II and</td>
<td>2 hrs</td>
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<tr>
<td>TPA 3510C Movement for the Actor I and</td>
<td>2 hrs</td>
</tr>
<tr>
<td>TPA 3513C Movement for the Actor II and</td>
<td>2 hrs</td>
</tr>
<tr>
<td>TPA 3711C Voice Production II and</td>
<td>2 hrs</td>
</tr>
<tr>
<td>TPA 3712C Voice Production III and</td>
<td>2 hrs</td>
</tr>
<tr>
<td>TPA 4140C Acting IV - Creating the Role and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 4142C Acting Verse and</td>
<td>3 hrs</td>
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<tr>
<td>TPA 4221 Auditioning and</td>
<td>3 hrs</td>
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<tr>
<td>TPA 4223C Theatre Careers for Performance and</td>
<td>3 hrs</td>
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<tr>
<td>TPA 4265C Camera Acting and</td>
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<tr>
<td>TPA 4512C Stage Combat and</td>
<td>2 hrs</td>
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<td>TPA 4531C Period Movement and</td>
<td>2 hrs</td>
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<tr>
<td>TPA 4730C Dialects and</td>
<td>2 hrs</td>
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<tr>
<td>TPA 4940L Theatre Internship and</td>
<td>6 hrs</td>
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</tbody>
</table>

#### Select 1:
- DAA 2100C Modern Dance I or
- DAA 2570C Jazz Dance I 2 hrs

#### Select 1:
- TPA 4093L Theatre Participation-Management II or
- TPA 4293L Theatre Participation-Production II or
- TPA 4183L Theatre Participation-Performance II 1 hr

### Stage Management Specialization
(60 hrs)

- THE 4284 Period Costume, Architecture, and Decor I and 3 hrs
- THE 4285 Period Costume, Architecture, and Decor II and 3 hrs
- TPA 2000C Theatre Design Basics and 3 hrs
- TPA 2010C Scenography and 3 hrs
- TPA 2211L Stagecraft I Lab and 1 hr
- TPA 2211L Stagecraft II Lab and 1 hr
- TPA 2220C Stage Electronics and 2 hrs
- TPA 2600 Stage Management and 3 hrs
- TPA 3195L Summer Theatre Studio/Tech/Design I and 3 hrs
- TPA 3197L Summer Theatre Studio/Tech/Design II and 3 hrs
- TPA 3601 Stage Management and 3 hrs
- TPA 4250C CADD for Theatre and 2 hrs
- TPA 4293L Theatre Participation-Production II and 1 hr
- TPA 4400 Theatre Management and 3 hrs
- TPA 4401C Theatre Careers in Production and 3 hrs
- TPP 4602 Advanced Stage Management and 3 hrs
- TPP 3103 Intermediate Acting and 3 hrs
- TPP 4940L Theatre Internship and 6 hrs

#### Restricted Electives (see list of courses) and
- TPA 3800C Scene Design for Theatre I or TPA 3040C 3 hrs

### Design & Technology Specialization
(63 hrs)

- ARH 2051 History of Western Art II and 3 hrs
- THE 4284 Period Costume, Architecture, and Decor II and 3 hrs
- THE 4285 Period Costume, Architecture, and Decor II and 3 hrs
- TPA 2000C Theatre Design Basics and 3 hrs
- TPA 2010C Scenography and 3 hrs
- TPA 2071C Theatre Rendering and 3 hrs
- TPA 2211L Stagecraft I Lab and 1 hr
- TPA 2211L Stagecraft II Lab and 1 hr
- TPA 2220C Stage Electronics and 3 hrs
- TPA 2230C Costume Construction and 3 hrs
- TPA 2600 Stage Management Basics and 3 hrs
- TPA 3077C Scene Painting and 3 hrs
- TPA 3195L Summer Theatre Studio/Tech/Design I and 3 hrs
- TPA 3197L Summer Theatre Studio/Tech/Design II and 3 hrs
- TPA 3601 Stage Management and 3 hrs
- TPA 4066C Advanced Scenography and 2 hrs
- TPA 4250C CADD for Theatre and 2 hrs
- TPA 4251C Advanced CADD for Theatre and 2 hrs
- TPA 4293L Theatre Participation-Production II and 1 hr
- TPA 4401C Theatre Careers in Production and 3 hrs
- TPP 4940L Theatre Internship and 6 hrs

#### Design Electives (see list of courses) and
- DAA 4912 Directed Independent Research 1 hr
- DAA 4914 Directed Independent Research 1 hr
- TPA 3040C Scene Design for Theatre I 3 hrs

1. (1 credit course, must be taken twice)

### 5. Restricted Electives
(0 hrs)
- (except where required for a specialization - see specializations for credit hours)

#### Choose from the following:
- ARH 2050 History of Western Art I 3 hrs
- DAA 3905 Directed Study 1 hr
- DAA 4912 Directed Independent Research 1 hr
- THE 2225 Introduction to Theatre Design 3 hrs
- THE 2230 Sex, Drugs, & the Rock and Roll Musical 3 hrs
- THE 2340 Musical Theatre Survey 3 hrs
- THE 3383 Taboo Theatre: Sex & Violence on Stage 3 hrs
- THE 3905 Directed Independent Study 1 hr
- THE 4093L Theatre Participation-Management II 1 hr
- THE 4212 Global Theatre 3 hrs
- THE 4284 Period Costume, Architecture, and Decor I 3 hrs
- THE 4285 Period Costume, Architecture, and Decor II 3 hrs

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**UCF Degree Programs**

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**UCF Degree Programs**

**THE 4423**  Women in Theatre  3 hrs
**THE 4543**  Theatre for Social Change  3 hrs
**THE 4912**  Directed Independent Research  1 hr
**THE 5307**  Contemporary Theatre Practice  3 hrs
**TPA 2248C**  Makeup Techniques  2 hrs
**TPA 2600**  Stage Management Basics  3 hrs
**TPA 3040C**  Costume Design for Theatre I  3 hrs
**TPA 3060C**  Scenic Design for Theatre I  3 hrs
**TPA 3077C**  Scene Painting  3 hrs
**TPA 3195L**  Summer Theatre Studio/Tech/Design I  3 hrs
**TPA 3197L**  Summer Theatre Studio/Tech/Design II  3 hrs
**TPA 3221C**  Lighting Design for Theatre I  3 hrs
**TPP 3260C**  Sound Design for Theatre I  3 hrs
**TPP 3303C**  Topics in Technical Theatre  2 hrs
**TPP 3601**  Stage Management  3 hrs
**TPP 4014C**  Costume Design for Theatre II  3 hrs
**TPP 4061C**  Scenic Design for Theatre II  3 hrs
**TPP 4224C**  Lighting Design for Theatre II  3 hrs
**TPP 4254C**  Sound Design for Theatre II  3 hrs
**TPP 4293L**  Theatre Participation-Production II  1 hr
**TPP 4311C**  Advanced Directing for Theatre  3 hrs
**TPP 4400**  Theatre Management  3 hrs
**TPP 4605L**  Summer Studio Performance  3 hrs
**TPP 4633L**  Theatre Participation-Performance II  1 hr
**TPP 4708L**  Circus Arts  2 hrs
1 **TPP 4311C**  Advanced Directing for Theatre  3 hrs
Honors in the Major Directed Readings and Thesis  3 hrs

1 Other THE, TPA, TPP, DAA, or DAN courses taught by and approved by the department Undergraduate Coordinator in advance. Courses with these prefixes not taught by the Department of Theatre cannot be used in this program.

**Design Electives**
- (for Design and Technology Specialization)
- Select three
  - TPA 3040C  Costume Design for Theatre I  3 hrs
  - TPA 3060C  Scenic Design for Theatre I  3 hrs
  - TPP 3221C  Lighting Design for Theatre I  3 hrs
  - TPP 3260C  Sound Design for Theatre I  3 hrs

6. **Capstone Requirements**

   | None |

7. **Foreign Language Requirements**

**Admissions**
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

**Graduation**

| None |

8. **Electives**

   | (variable) |

9. **Additional Requirements**

   | None |

10. **Required Minors**

   | None |

11. **Departmental Exit Requirements**

   | Earn a grade of “C” (2.0) or better in each Theatre course
   | Maintain a “B” Theatre GPA (3.0) or better
   | Complete an Exit Survey, Exit Interview and Audit Check the semester prior to final semester of theatre classes.
   | Complete 93 theatre credits in addition to the GEP for a total of 129. Courses that count in the GEP cannot also count towards total theatre credits.
   | Minimum of 60 theatre credits must be completed in residence at UCF
   | Computer Competency met by STA 1060C, TPA 4250C, or a computer science course.

12. **University Minimum Exit Requirements**

   | A 2.0 UCF GPA
   | 60 semester hours earned after CLEP awarded
   | 48 semester hours of upper division credit completed
   | 30 of the last 39 hours of course work must be completed in residency at UCF
   | A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
   | Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**

| 129 |

**Honors In Major**

| None |

**Related Programs**

| Art, Film, Music, Theatre Studies |

**Certificates**

| None |

**Related Minors**

| Art - Studio, Dance, Film - Cinema Studies, Music, Theatre |

**Advising Notes**

| None |

**Transfer Notes**

| Courses taken at community colleges may substitute for select Upper Division courses with permission of the department, although they will not count as Upper Division credits. University minimum Upper Division credit requirement must still be met.
| Transfer students will be required to meet the departmental theatre participation requirement through participation on UCF productions.
| Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information. |

**Acceptable Substitutes for Transfer Courses**

| Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:  
  1 THE 2020  Survey of Theatre for Majors  3 hrs
  1 may be substituted with:  
  THE 2304  Script Analysis  3 hrs
  may be substituted with: THE 2305  Technical Theatre Production 2 hrs
  may be substituted with: TPA 2201  Stagecraft I  3 hrs
  may be substituted with: TPP 3310C  Directing for Theatre I  3 hrs
  may be substituted with: TPP 2210  Stagecraft I  3 hrs

1 may use any introductory course. However, THE 2020 is a prerequisite for all Theatre courses and will still need to be taken. |

**Plan of Study**

| None |

**Program Academic Learning Compacts**

| Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:  
  http://www.oecs.ucf.edu/aic/academic_learning_compacts.htm |

**Equipment Fees**

| Part-Time Student: $45 per term
| Full-Time Student: $90 per term |
The Bachelor of Fine Arts Track in Musical Theatre serves those students interested in a career on the musical theatre stage. It is offered for students who, upon graduation, plan to pursue a specialized career in professional theatre.

Because of its geographic location, UCF is a top choice for students interested in musical theatre. Walt Disney World, Universal Studios, and the budding expansion of the arts in Central Florida make it necessary for students to receive advanced studies in acting, musical theatre voice, and dance. Work within the BFA program requires energy and dedication; therefore, other part-time study or outside employment is generally impossible. BFA standards are high, both for admission and for continuation in the program. Production assignments are regulated to serve the artistic growth of students, coordinating production experience with classroom exploration.

Admission Requirements
- Entrance into most theatre classes is restricted to majors. Exceptions must be approved by the Undergraduate Coordinator.
- The departmental faculty evaluates students desiring to become majors via an interview and audition. For complete information, contact the Department of Theatre or visit the audition site online at http://www.theatre.ucf.edu.
- A candidate must present an audition consisting of one monologue and two musical selections. The entire audition should last no more than three minutes. An accompanist will be provided. Recorded accompaniment is not accepted. Candidates must also participate in a dance audition and complete a Music Skills Evaluation Survey. Visit http://www.theatre.ucf.edu for details.
- All students must submit a resume, black & white or color head shot, three letters of recommendation, and transcripts of previous college work at the time of interview.
- All BFA musical theatre students are accepted on a “Provisional” basis their first year. Faculty will evaluate their work and decide whether or not the student may continue the program at the end of the first year.
- Departmental scholarship applications are due by April 15. Scholarship applications for incoming students are available at the audition/interview. Scholarship decisions are usually finalized in August.
- The Musical Theatre plan of study requires a Fall start for proper course sequencing. Students are not accepted to begin theatre courses in the Spring or Summer semesters.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must adopt the most current internship manual upon registration for their internship. Internships are subject to departmental approval and may not be fulfilled through participating on a UCF Conservatory Theatre Production.
- Students must maintain a minimum “B” (3.0) overall Theatre GPA to continue in the major.
- Theatre grades of less than “C” (2.0) will not be counted in the major or toward total theatre credits. Earning a grade less than “C” (2.0) in any theatre course will cause the student to be placed on departmental probation for one semester which causes him/her to be ineligible for casting or other department production positions. If grades improve probation is lifted. If grades do not improve the student may be released from the program. Semesters of poor performance need not be sequential for possible release from program.

UCF Degree Programs
## 2. Common Program Prerequisites (CPP)

- 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 (20 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>THE 2304</td>
<td>Script Analysis</td>
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</tr>
<tr>
<td>TPA 2201</td>
<td>Technical Theatre Production</td>
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</tr>
<tr>
<td>TPP 2200L</td>
<td>Technical Theatre Production Lab</td>
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<tr>
<td>TPP 2200L</td>
<td>Theatre Participation-Production I</td>
<td>1</td>
</tr>
<tr>
<td>TPP 2110C</td>
<td>Acting I - Introduction</td>
<td>3</td>
</tr>
<tr>
<td>TPP 2170C</td>
<td>Acting II - The Actor Prepares</td>
<td>3</td>
</tr>
<tr>
<td>1 TPP 3310C</td>
<td>Directing for Theatre I</td>
<td>3</td>
</tr>
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<td>THE 2081C</td>
<td>Introduction to UCF Theatre</td>
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</tr>
<tr>
<td>TPA 2248C</td>
<td>Theatre Elective</td>
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### 4. Core Requirements: Advanced Level (50 hrs)

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<thead>
<tr>
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<tbody>
<tr>
<td>THE 3311</td>
<td>Theatre History and Dramatic Literature I</td>
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<tr>
<td>THE 3312</td>
<td>Theatre History and Dramatic Literature II</td>
<td>3</td>
</tr>
<tr>
<td>THE 4244</td>
<td>Musical Theatre History I</td>
<td>3</td>
</tr>
<tr>
<td>THE 4245</td>
<td>Musical Theatre History II</td>
<td>3</td>
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<td>THE 4954</td>
<td>Theatre Exit Critique</td>
<td>0</td>
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<tr>
<td>TPP 3172C</td>
<td>Acting III - Building the Character</td>
<td>3</td>
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<tr>
<td>TPP 3250</td>
<td>Musical Theatre Acting I</td>
<td>3</td>
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<tr>
<td>TPP 3252</td>
<td>Musical Theatre Acting II</td>
<td>3</td>
</tr>
<tr>
<td>TPP 3257C</td>
<td>Musical Theatre Voice I</td>
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</tr>
<tr>
<td>TPP 3258C</td>
<td>Musical Theatre Voice II</td>
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<tr>
<td>TPP 4140C</td>
<td>Acting IV - Creating the Role</td>
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<td>TPP 4223C</td>
<td>Theatre Careers for Performance</td>
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<tr>
<td>TPP 4253C</td>
<td>Musical Theatre Acting III</td>
<td>3</td>
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<tr>
<td>TPP 4259C</td>
<td>Musical Theatre Voice III</td>
<td>2</td>
</tr>
<tr>
<td>1 TPP 4746C</td>
<td>Musical Theatre Repertoire</td>
<td>2</td>
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<td>TPP 4923C</td>
<td>Musical Theatre Voice IV</td>
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<tr>
<td>TPP 4940L</td>
<td>Theatre Internship</td>
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</table>

#### Select 1:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
</table>
| 1 (1 credit course, must be taken twice) | 2

#### Movement Electives

- Any DAA or DAN courses not already required, taught by the department, and with departmental approval.

#### Select 1:

- TPP 4512C Stage Combat or 2 hrs
- TPP 4531C Period Movement 2 hrs

### 5. Restricted Electives (1 hr)

- Chosen from the following

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<th>Course Title</th>
<th>Hours</th>
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<tbody>
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<td>DAA 2101C</td>
<td>Modern Dance II</td>
<td>2</td>
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<tr>
<td>DAA 2230C</td>
<td>World Dance</td>
<td>2</td>
</tr>
<tr>
<td>DAA 2521C</td>
<td>Tap Dance II</td>
<td>2</td>
</tr>
<tr>
<td>DAA 3108C</td>
<td>Modern Dance III</td>
<td>2</td>
</tr>
<tr>
<td>DAA 3208C</td>
<td>Ballet III</td>
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<td>DAA 3524C</td>
<td>Tap Dance III</td>
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<tr>
<td>DAA 3612</td>
<td>Dance Improvisation/Composition I</td>
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<tr>
<td>DAA 3645</td>
<td>Choreography Practicum</td>
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<tr>
<td>DAA 3684</td>
<td>Dance Performance</td>
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</tr>
<tr>
<td>DAN 3134</td>
<td>Dance History I</td>
<td>3</td>
</tr>
<tr>
<td>THE 2250</td>
<td>Sex, Drugs, &amp; the Rock and Roll Musical</td>
<td>3</td>
</tr>
<tr>
<td>THE 3313</td>
<td>Theatre History and Dramatic Literature III</td>
<td>3</td>
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<tr>
<td>THE 3383</td>
<td>Taboo Theatre: Sex &amp; Violence on Stage</td>
<td>3</td>
</tr>
<tr>
<td>THE 4093L</td>
<td>Theatre Participation-Management II</td>
<td>1</td>
</tr>
<tr>
<td>THE 4212</td>
<td>Global Theatre</td>
<td>3</td>
</tr>
<tr>
<td>THE 4230</td>
<td>Cultural Diversity in Theatre</td>
<td>3</td>
</tr>
<tr>
<td>THE 4284</td>
<td>Period Costume, Architecture, and Decor I</td>
<td>3</td>
</tr>
</tbody>
</table>

### 6. Capstone Requirements

- None

### 7. Foreign Language Requirements

- Admissions
  - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

#### Graduation

- None

### 8. Electives

- (variable)

### 9. Additional Requirements

- None

### 10. Required Minors

- None

### 11. Departmental Exit Requirements

- Earn a grade of "C" (2.0) or better in each Theatre course
- Maintain a "B" Theatre GPA (3.0) or better
- Complete an Exit Survey, Exit Interview, and Audit Check the semester prior to final semester of theatre classes
- Minimum of 60 theatre credits must be completed in residency at UCF
- Complete 93 theatre credits in addition to the GEP for a total of 129. Courses that count in the GEP cannot also count towards total theatre credits.
- Computer Competency met by STA 1060C or a computer science course.

### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required

- 129
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.
UCF Degree Programs

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) (20 hrs)

See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

1 THE 2020 Survey of Theatre for Majors 3 hrs
THE 2090L Theatre Participation-Management I 1 hr
THE 2304 Script Analysis 3 hrs
1 TPA 2201 Technical Theatre Production 2 hrs
TPA 2201L Technical Theatre Production Lab 1 hr
TPA 2290L Theatre Participation-Production I 1 hr
1 TPP 2101 Fundamentals of Acting 3 hrs
TPP 2700C Stage Speech/Voice 3 hrs
1 TPP 3310C Directing for Theatre I 3 hrs
Theatre Elective (THE, TPP, TPA Prefix) 3 hrs

1 See Transfer Notes for possible substitutes

3. Core Requirements: Basic Level (0 hrs)

4. Core Requirements: Advanced Level (10 hrs)

THE 2081C Introduction to UCF Theatre 0 hrs
THE 3311 Theatre History and Dramatic Literature I 3 hrs
THE 3312 Theatre History and Dramatic Literature II 3 hrs
THE 3313 Theatre History and Dramatic Literature III 3 hrs
THE 4954 Theatre Exit Critique 0 hrs

Select 1:
THE 4093L Theatre Participation-Management II or 1 hr
TPA 4293L Theatre Participation-Production II or 1 hr
TPP 4193L Theatre Participation-Performance II 1 hr

5. Restricted Electives (16 hrs)

Select 16 hours from the following:
THE 2025 Introduction to Theatrical Design 3 hrs
THE 2250 Sex, Drugs, & the Rock and Roll Musical 3 hrs
THE 3082 Musical Theatre Survey 3 hrs
THE 3383 Taboo Theatre: Sex & Violence on Stage 3 hrs
1 THE 4093L Theatre Participation-Management II 1 hr
THE 4232 Global Theatre 3 hrs
THE 4230 Cultural Diversity in Theatre 3 hrs
THE 4284 Period Costume, Architecture, and Decor I 3 hrs
THE 4285 Period Costume, Architecture, and Decor II 3 hrs
THE 4423 Women in Theatre 3 hrs
THE 4543 Theatre for Social Change 3 hrs
THE 4912 Directed Independent Research 1 hr
1 THE 5307 Contemporary Theatre Practice 3 hrs
1 TPA 2248C Makeup Techniques 2 hrs
1 TPA 2500 Stage Management Basics 3 hrs
TPA 3195L Summer Theatre Studio/Design I 3 hrs
TPA 3197L Summer Theatre Studio/Design II 3 hrs
THE 3601 Stage Management 3 hrs
1 TPA 4293L Theatre Participation-Production II 1 hr
TPP 4400 Theatre Management 3 hrs
TPP 3103 Intermediate Acting 3 hrs
TPP 3197L Summer Theatre/Performance 3 hrs
TPP 3855C Acting on Camera 3 hrs
TPP 3855L Summer Studio Performance 3 hrs
TPP 4143C Acting Styles 3 hrs
1 TPP 4193L Theatre Participation-Performance II 1 hr
TPP 4243C Circus Arts 2 hrs
1 TPP 4311C Advanced Directing for Theatre 3 hrs
TPP 4512C Stage Combat 2 hrs
Any DAA or DAN courses taught by the theatre department with departmental approval 2 hrs
Honors in the Major Directed Readings and Thesis (see #1 footnote) 3 hrs

1 Other THE, TPA, or TPP courses as approved by the department requires departmental approval in advance

6. Capstone Requirements

None

7. Foreign Language Requirements

Admissions

None

Graduation

None

10. Required Minors

The Theater Studies BA students must complete a minor of at least 18 hours. See discipline for Minor requirements, information, and changes. University upper division credit hour requirements must be met. Students are discouraged from taking excess hours and should consider total credit hours required when selecting a minor. Students are free to pursue any minor open to them, but are encouraged to participate in the department’s Associated Minor program which provides additional career/advising support targeted at specific career paths. Please see the departmental handbook for a more complete description of the program and a list of Associated Minors. Participation in an Associated Minor must be approved after interview with the Area Coordinator of BA Theatre Studies.

11. Departmental Exit Requirements

Earn a grade of “C” (2.0) or better in each Theatre course.
Write an Exit Critique of a UCF-affiliated production and pass with a 75% or better score the semester prior to final semester of theatre classes.
Complete an Exit Survey, and Exit Interview/Audit Check the semester prior to final semester of theatre classes.
Minimum of 30 theatre credits must be completed in residency at UCF.
Computer Competency met by the following or Computer Science Course:
STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

12. University Minimum Exit Requirements

A 2.0 UCF GPA
60 semester hours earned after CLEP awarded
48 semester hours of upper division credit completed
30 of the last 39 hours of course work must be completed in residency at UCF
A maximum of 45 hours of extension, correspondence, CLEP. Credit by Exam, and Armed Forces credits permitted.
Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
120

Honors In Major
None

Related Programs
Art
Film
Music
Theatre
Certificates
None

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Related Minors
- Art - Studio
- Dance
- Film - Cinema Studies
- Music
- Theatre

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges may substitute for select Upper Division courses with permission of the department, although they will not count as Upper Division credits. University minimum Upper Division credit requirement must still be met.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
1. THE 2020 Survey of Theatre for Majors 3 hrs
   may be substituted with:
   THE 2304 Script Analysis 3 hrs
   may be substituted with: THE 2300
   THE 2304 Script Analysis 3 hrs
   may be substituted with: THE 3305
   TPA 2201 Technical Theatre Production 2 hrs
   may be substituted with: TPA 2210
   TPA 2201 Technical Theatre Production 2 hrs
   may be substituted with: TPA 2200
   2. TPP 2101 Fundamentals of Acting 3 hrs
      may be substituted with:
      TPP 3310C Directing for Theatre I 3 hrs
      may be substituted with: TPP 2300

1 may use any introductory course. However, THE 2020 is a prerequisite for all Theatre courses and will still need to be taken.
2 may use any introductory acting course

Plan of Study
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oeas.ucf.edu/aloc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term
MINORS AND CERTIFICATES

Minors are authorized only for certification with baccalaureate degrees. Minors must be certified at the same time as the student's baccalaureate degree. Unless a second baccalaureate degree is earned, certification will not be made at a later time even if additional courses have been completed.

A student may declare a minor up to but no later than the submission of the online "Intent to Graduate Form." However, students are strongly urged to declare a minor as early as possible. Contact the student support office of the college offering the minor.

Minors
Accounting
Actuarial Science
Aerospace Studies
African American Studies
Aging Studies
American Studies
Anthropology
Anthropology in Multicultural Studies
Art - Studio
Art History
Asian Studies
Astronomy
Bioengineering
Biology
Business
Chemistry
Coaching
Cognitive Sciences
Communication Sciences and Disorders
Community Arts - PAVE
Computer Science
Criminal Justice
Dance
Digital Media
Early Childhood Development and Education
Economics
Education
Emergency Management and Homeland Security
Energy and Sustainability
Engineering Leadership
English - Creative Writing
English - Linguistics
English - Literature
English - Technical Communication
English - Writing
English Language Arts Education
Entrepreneurship
Environmental Studies
European Studies
Exceptional Education
Film - Cinema Studies
Finance
Fitness Training
French
German
Health Informatics and Information Management
Health Sciences
Health Services Administration
History
Hospitality Management
Humanities
Information Technology
Intelligent Robot Systems
Interdisciplinary Informatics Technology
International and Global Studies
International Business
International Engineering
Interpersonal/Organizational Communication
Italian
Judaic Studies
Latin American Area Studies
Leadership Studies
Legal Studies
Magazine Journalism
Marketing
Mass Communication
Mathematics
Mathematics Education
Medical Anthropology
Medieval and Renaissance Studies
Middle Eastern Studies
Military Science
Molecular Biology and Microbiology
Music
Nonprofit Management/American Humanics
National Certification Program
North American Indian Studies
Philosophy
Philosophy, Religion and Popular Culture
Physics
Political Science
Political Science/Prelaw
Psychology
Public Administration
Real Estate
Recreation
Religious Studies
Science Education
Secure Computing and Networks
Social Science Education
Social Sciences - Interdisciplinary
Sociology
Spanish
Sport Business Management
Statistics
Technical Education and Industry Training
Technical Entrepreneurship
Theatre
Urban and Regional Planning
Women's Studies
World Comparative Studies

Certificates
Aging Studies Certificate
Behavioral Forensics Certificate
Children's Services Certificate
Crime Analysis and Crime Mapping Certificate
Crime Scene Investigation Certificate
Criminal Profiling Certificate
Cultural Tourism Certificate
Diplomacy Certificate
Educational Studies Certificate
Finance: Banking Certificate
Finance: Corporate Finance Certificate
Finance: Investments Certificate
Judaic Studies Certificate
Language Development and Disorders Certificate
Leadership Studies Certificate
Marketing: e-Marketing Certificate
Marketing: Entertainment Marketing Certificate
Marketing: Healthcare Marketing Certificate
Marketing: Retailing Management Certificate
Marketing: Selling and Sales Management Certificate
Marketing: Services Marketing Certificate
Marketing: Sport Marketing Management Certificate
Military Science Certificate
Nonprofit Management Certificate
Real Estate: Mortgage Brokerage Certificate
Real Estate: Real Estate Appraisal Certificate
Real Estate: Real Estate Brokerage Certificate
Security Management Certificate
Service-Learning Certificate
Substitute Teaching Certificate
Translation and Interpretation Certificate
Victim Advocacy Certificate
Women's Studies Certificate

Additional UCF Programs
Study Abroad Programs:
- Argentina
- Australia
- Austria
- Brazil
- Costa Rica
- Croatia
- Czech Republic
- England
- France
- Germany
- Honduras
- Ireland
- Italy
- Japan
- Jordan
- Poland
- Russia
- Scotland
- Spain
- Sweden
- Switzerland
- The Netherlands
Accounting - Minor
College of Business Administration
Kenneth G. Dixon School of Accounting, Business Administration, Room: 437
http://web.bus.ucf.edu/academics/accounting/
Phone: 407-823-2871

For Business and Non-Business Majors.

Minor Admission Requirements
■ None

Other Requirements
■ None

Prerequisite Courses
■ None

Required Courses (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 3131 Financial Accounting Concepts and Analysis 3 hrs
or ACG 3361 Cost Accounting I 3 hrs

Restricted Electives (12 hrs)
Select 4: 12 hrs
■ At least two courses must have either an ACG or TAX prefix.
ACG 3131 Financial Accounting Concepts and Analysis 3 hrs
or ACG 3141 Intermediate Financial Accounting II or 3 hrs
ACG 3361 Cost Accounting I or 3 hrs
or ACG 3901 Financial Accounting for Governmental and 3 hrs
Nonprofit Organizations or
ACG 4401C Accounting Information Systems or 3 hrs
or ACG 4651 Auditing or 3 hrs
or FIN 3414 Intermediate Corporate Finance or 3 hrs
or FIN 4453 Financial Models or 3 hrs
or ISM 3253 MIS Techniques or 4 hrs
or ISM 4212C Database Design and Implementation or 4 hrs
or TAX 4001 Taxation of Business Entities and 3 hrs
Transactions

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 21

Other Requirements
■ A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
■ Grades below “C” (2.0) or “S” grades from other institutions are not accepted.
■ Courses taken at community colleges do not substitute for upper division courses.
■ Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
■ At least nine hours used in the minor must be earned at UCF within the department.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship, Independent Study, or Directed Research credit cannot be used toward the minor.

Actuarial Science - Minor
College of Sciences
Department of Statistics, Computer Center II, Room: 212
http://statistics.cos.ucf.edu/
Dr. David Nickerson, nickerson@mail.ucf.edu, 407-823-5528

This minor is designed to satisfy the Society of Actuaries (SOA) Validation by Educational Equivalent requirements in the areas of Economics, Corporate Finance and Applied Statistics and prepare students for SOA Exam P, Exam FM and Exam MFE. It also will prepare them to take the Casualty Actuarial Society (CAS) Exam 1, Exam 2, and Exam 3F. Students who complete this minor will have completed the requirements for a Statistics minor, and should also apply for that minor prior to graduation. Alternatively, the minor will satisfy many requirements in the Statistics B.S. degree, so students may want to consider the Statistics B.S. with the Actuarial Science minor.

Minor Admission Requirements
■ Students need to complete the prerequisite courses.

Other Requirements
■ A minimum grade of “C” (2.0) is required in all courses used to satisfy the minor.
■ At least 15 hours used in the minor must be earned at UCF within the Department of Statistics.

Prerequisite Courses
■ Students must satisfy each course’s prerequisites before enrolling in the class.
■ Students are expected to have completed some of the following courses as part of their GEP requirement.
ECO 2013 Principles of Macroeconomics 3 hrs
MAC 2311 Calculus with Analytic Geometry I 4 hrs
MAC 2312 Calculus with Analytic Geometry II 4 hrs
MAC 2313 Calculus with Analytic Geometry III 4 hrs
STA 2023 Statistical Methods I 3 hrs
STA 2163 Statistical Methods II 3 hrs
STA 2164 Statistical Methods III 3 hrs
STA 4321 Statistical Theory I 3 hrs
STA 4322 Statistical Theory II 3 hrs

Required Courses (25 hrs)
ACG 2021 Principles of Financial Accounting 3 hrs
ACG 2071 Principles of Managerial Accounting 3 hrs
ECO 2023 Principles of Macroeconomics 3 hrs
ECO 2023 Principles of Microeconomics 3 hrs
FIN 3403C Business Finance 4 hrs
MAC 2311 Calculus with Analytic Geometry I 4 hrs
MAC 2312 Calculus with Analytic Geometry II 4 hrs
MAC 2313 Calculus with Analytic Geometry III 4 hrs
STA 2023 Statistical Methods I 3 hrs
STA 2163 Statistical Methods II 3 hrs
STA 2164 Statistical Methods III 3 hrs
STA 4321 Statistical Theory I 3 hrs
STA 4322 Statistical Theory II 3 hrs

Restricted Electives (12 hrs)
ACG 3131 Financial Accounting Concepts and Analysis 3 hrs
or ACG 3141 Intermediate Financial Accounting II or 3 hrs
ACG 3361 Cost Accounting I or 3 hrs
or ACG 3901 Financial Accounting for Governmental and 3 hrs
Nonprofit Organizations or
ACG 4401C Accounting Information Systems or 3 hrs
or ACG 4651 Auditing or 3 hrs
or FIN 3414 Intermediate Corporate Finance or 3 hrs
or FIN 4453 Financial Models or 3 hrs
or ISM 3253 MIS Techniques or 4 hrs
or ISM 4212C Database Design and Implementation or 4 hrs
or TAX 4001 Taxation of Business Entities and 3 hrs
Transactions

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 34
### Minors

#### Aerospace Studies - Minor
**College of Engineering and Computer Science**  
**Air Force ROTC, ROTC Trailer, Room: 103**  
Col. Michael J. Chandler  
Phone: 407-823-1247

**Minor Admission Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses**  
(16 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td>APR 1101C</td>
<td>The Air Force Today I</td>
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<tr>
<td>APR 1111C</td>
<td>The Air Force Today II</td>
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<td>AFR 2130C</td>
<td>The Development of Air Power I</td>
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<td>The Development of Air Power II</td>
<td>1</td>
</tr>
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<td>AFR 3220C</td>
<td>Air Force Leadership and Management I</td>
<td>3</td>
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<td>AFR 3230C</td>
<td>Air Force Evaluation and Management II</td>
<td>3</td>
</tr>
<tr>
<td>AFR 4201C</td>
<td>National Security Affairs and Prep for Active Duty I</td>
<td>3</td>
</tr>
<tr>
<td>AFR 4210C</td>
<td>National Security Affairs and Prep for Active Duty II</td>
<td>3</td>
</tr>
</tbody>
</table>

**Restricted Electives**
- None

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
16

**Other Requirements**
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades less than "C-" (1.75) are not accepted.
- At least 12 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

#### African American Studies - Minor
**College of Arts and Humanities**  
**Program in African American Studies, Colbourn Hall, Room: 411**  

JoAnne Stephenson, 407-823-0026

The African American Studies minor is designed to complement a student's major area of study. The minor requires a core of African American Studies courses as well as a selection of directed electives in Fine Arts, History, English, Modern Languages, Music, Literatures, Political Science, Psychology, Sociology, Anthropology, Film, and Theatre.

**Minor Admission Requirements**
- None

**Other Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses**  
(6 hrs)

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<thead>
<tr>
<th>Course Code</th>
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<td>AFA 3104</td>
<td>The Black Intellectual Experience</td>
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<tr>
<td>AMH 3571</td>
<td>Black American History I</td>
<td>3</td>
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</tbody>
</table>

**Restricted Electives**  
(12 hrs)

- Additional courses may be used only with the prior permission of the program Director.
- AFA 2300 African American Music 3 hrs
- AFA 3102 Black Perspectives: A Multidisciplinary Approach 3 hrs
- AFA 3955 Study Abroad in Eastern Caribbean 6 hrs
- AFA 4105 Documenting African American Heritage and Life 3 hrs
- AMH 3100 African History to 1870 3 hrs
- AMH 3200 African History Since 1870 3 hrs
- AMH 5806 The Historiography of Slavery in Africa 3 hrs
- AMH 3403 History of the South Since 1865 3 hrs
- AMH 3572 Black American History II 3 hrs
- AML 3614 Topics in African-American Literature 3 hrs
- AML 3615 Harlem, Haiti, and Havana 3 hrs
- ANT 3319 Anthropology of Diaspora 3 hrs
- ANT 3398 Black/Seminoles Relations 3 hrs
- ANT 4340 Caribbean Cultures 3 hrs
- ARH 3520 African Art 3 hrs
- FIL 3831 Black Cinema 3 hrs
- INR 3253 International Politics of Africa 3 hrs
- LAH 3470 History of the Caribbean 3 hrs
- LAS 4023 African Caribbean Experience 3 hrs
- LIT 3192 Caribbean Literature 3 hrs
- MUL 2016 Evolution of Jazz 3 hrs
- POS 4622 Politics and Civil Rights 3 hrs
- PUP 3314 Minorities in American Politics 3 hrs
- SOP 3724 Psychology of Prejudice 3 hrs
- SYD 4010 Race and Ethnicity 3 hrs

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
18

**Other Requirements**
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without the approval of the program coordinator.

#### Aging Studies - Minor
**College of Health and Public Affairs**  
**School of Social Work, Health and Public Affairs, Room: 204**  

E-mail: socialwk@mail.ucf.edu

BSW Coordinator  
Phone: 407-823-2114

In recognition of the special needs of older adults in Central Florida, the University offers an eighteen-hour interdisciplinary program leading to a Minor in Aging Studies. The minor is open to all students in any major. This minor prepares students for careers in applied gerontology, research, public service or for graduate training. Courses focus on the physiological, psychological, sociological, environmental, cultural, legal-ethical and public policy issues affecting older adults. Students majoring in health professions, biomedical sciences, criminal justice and legal studies, hospitality management, psychology, social work, nursing, sociology, business, exercise science, physical education, communication sciences and disorders or education find study of the aging process especially helpful. The minor may be completed as a fully web-based program.

**Minor Admission Requirements**
- None
Other Requirements

- A required internship, along with course options that include service-learning activities, complements the web-based course of study.
- Students select one of the internship courses listed below depending on their major. BSW majors must take the 9 credit hour field education course.

Prerequisite Courses

- None

Required Courses

**GEY 3001** Gerontology: An Interdisciplinary Overview 3 hrs

Select One:

HSA 4941 Internship 3 hrs
PSY 4510 Undergraduate Field Work 3 hrs

1. For full-time students
2. For part-time students over two semesters

Restricted Electives

- Students select FOUR additional courses from the following courses: A maximum of TWO courses in their College must be taken and at least TWO courses must be outside their college.

College of Health and Public Affairs

HSA 3222 Long Term Care and Administration 3 hrs
HSA 4220 Long Term Patient Management 3 hrs
HSC 4564 Health Care Needs of the Elderly 3 hrs
NUR 4286 Gerontologic Nursing 3 hrs
PLA 4530 Legal Issues of the Elderly 3 hrs
SOW 3740 Social Work Practice with Loss & Life’s Transitions 3 hrs
SOW 4645 Social Services for the Elderly 3 hrs

Other Colleges

DEP 3464 Psychology of Aging 3 hrs
GEY 5007 Women and Healthy Aging 3 hrs
SYP 4730 Patterns of Aging in Society 3 hrs
SYP 4732 Minority Aging 3 hrs

1. Open to undergraduates with senior standing

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades less than “C” (2.0) are not accepted.
- At least 12 hours used in the minor must be earned at UCF within the program.
- No credit by exam (TSD, Military credit) may be used.
- Independent Study credit may not be used toward the minor.

American Studies - Minor

College of Arts and Humanities

CAH Dean’s Office, Room: 190

http://www.cah.ucf.edu

Lyman Brodie, lbrodie@mail.ucf.edu, 407-823-2251

Minor Admission Requirements

- None

Other Requirements

- None

Prerequisite Courses

- None

Required Courses

**Literature and Humanities** (9 hrs)

**Select 1:**

AML 3031 American Literature I or
AML 3682 Ethnic Literature in America or
AML 4101 American Novel or
AML 4261 Literature of the South

**Social Sciences**

**Select 1:**

POS 3413 The American Presidency or
POT 3204 American Political Thought or
SVD 3700 Race and Ethnicity or
SYP 3630 Popular Culture in Society

**History**

- 3 hrs

**Select 1:**

AMH 3561 Women in American History I or
AMH 4110 Colonial America, 1607-1763 or
AMH 4130 The Age of the American Revolution, 1763-1789 or
AMH 4311 American Culture I or
AMH 4313 American Culture II

**Restricted Electives** (12 hrs)

- 12 additional upper level hours. Select courses not already used from lists above.

Foreign Language Requirements

- None

Total Semester Hours Required

- 21

Other Requirements

- Students must earn at least a “C” (2.0) in each course used to satisfy the minor.
- At least eighteen credit hours must be earned in upper level credits.
- At least 15 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- No more than 9 hours may be taken in one area.

Anthropology - Minor

College of Sciences

Department of Anthropology, Howard Phillips Hall, Room: 309

http://www.cos.ucf.edu/anthropology

E-mail: anthropology@ucf.edu

Dr. Arlen Chase

Phone: 407-823-2227

The Anthropology minor develops a student’s holistic understanding of the past and present human condition. Four different concentrations are delimited within the Anthropology minor.

Minor Admission Requirements

- The minor is not open to Anthropology majors.

Other Requirements

- Students must earn a grade of “C” (2.0) or better in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department of Anthropology.
Minors

Prerequisite Courses
- Students must satisfy each course's prerequisites before enrolling in the class.

Required Courses (3 hrs)
- ANT 2000 General Anthropology

Restricted Electives (15 hrs)

A. Concentration in General Anthropology (15 hrs)
- ANT 2140 Archaeology and the Rise of Human Culture 3 hrs
- ANT 2410 Cultural Anthropology 3 hrs
- ANT 2511 The Human Species 3 hrs

Select 2: Select two upper level (3000-5000) courses in Anthropology 6 hrs

B. Concentration in Archaeology (15 hrs)
- ANT 2140 Archaeology and the Rise of Human Culture 3 hrs

Select 4: 12 hrs
- ANG 5166 Problems in Maya Studies or 3 hrs
- ANG 5167 Maya Hieroglyphs or 3 hrs
- ANG 5228 Maya Iconography or 3 hrs
- ANG 5822 Maya Field Research or 3 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 4180C Seminar in Laboratory Analysis or 3 hrs
- ANT 4183 Archaeological Sciences or 3 hrs
- ANT 4184 Mortuary Archaeology or 3 hrs
- ANT 4824 Advanced Archaeological Fieldwork 9 hrs

C. Concentration in Physical Anthropology (15 hrs)
- ANT 2511 The Human Species 3 hrs

Select 4: 12 hrs
- ANG 5742 Problems in Forensic Anthropology or 3 hrs
- ANT 3541 Biobehavioral Anthropology or 3 hrs
- ANT 3550 Primatology or 3 hrs
- ANT 4184 Mortuary Archaeology or 3 hrs
- ANT 4462 Medical Anthropology or 3 hrs
- ANT 4467 Nutritional Anthropology or 3 hrs
- ANT 4516 Human Biological Diversity or 3 hrs
- ANT 4521C Forensic Anthropology or 3 hrs
- ANT 4525C Human Osteology or 4 hrs
- ANT 4528C Advanced Forensic Anthropology or 5 hrs
- ANT 4586 Human Origins 3 hrs

D. Concentration in Cultural Anthropology (15 hrs)
- ANT 2410 Cultural Anthropology 3 hrs

Select 4: 12 hrs
- ANG 5167 Maya Hieroglyphs or 3 hrs
- ANG 5228 Maya Iconography or 3 hrs
- ANG 5622 Language, Culture and Pedagogy or 3 hrs
- ANT 3152 Indians of the Southwest or 3 hrs

ANT 3154 Ancient Incas or 3 hrs
ANT 3212 Peoples of the World or 3 hrs
ANT 3241 Magic, Ritual, and Belief or 3 hrs
ANT 3245 Native American Religions or 3 hrs
ANT 3252 Rural Society or 3 hrs
ANT 3273 Law and Culture or 3 hrs
ANT 3302 Sex, Gender and Culture or 3 hrs
ANT 3311 Indians of the Southeastern United States or 3 hrs
ANT 3312 Ethnology of North American Indians or 3 hrs
ANT 3313 Indians of North America High Plains or 3 hrs
ANT 3314 Indians of the Northeast Woodlands or 3 hrs
ANT 3318 Indians of the Northwest Coast or 3 hrs
ANT 3319 Anthropology of Diaspora or 3 hrs
ANT 3353 Anthropology of Japan or 3 hrs
ANT 3398 Black/Semino Relations or 3 hrs
ANT 3610 Language and Culture or 3 hrs
ANT 3701 Applied Anthropology or 3 hrs
ANT 4034 History of Anthropological Thought or 3 hrs
ANT 4266 Economic Anthropology: Production, Consumption, and Exchange or 3 hrs
ANT 4301 Archaeology of Tourism or 3 hrs
ANT 4308 Gender Issues in Latin America or 3 hrs
ANT 4332 People and Cultures of Latin America or 3 hrs
ANT 4340 Caribbean Cultures or 3 hrs
ANT 4352 African Societies and Cultures or 3 hrs
ANT 4354 Postcolonial Africa or 3 hrs
ANT 4408 Culture, Disease, and Healing or 3 hrs
ANT 4702 Culture, Power and Development or 3 hrs
ANT 4802 Ethnographic Field Methods 3 hrs

1 or its graduate equivalent.

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used to satisfy the minor.

Anthropology in Multicultural Studies - Minor
College of Sciences
Department of Anthropology, Howard Phillips Hall, Room: 309
http://www.cos.ucf.edu/anthropology
E-mail: anthropology@ucf.edu
Dr. Arlen Chase
Phone: 407-823-2227

This minor develops a student's understanding of the recent dilemmas of Hispanic, Native American, and Pacific Rim cultures, sex, and gender controversies in societies, and the theoretical and practical issues of modern applied anthropology. The minor is especially appropriate for students majoring in political science, international business, or for any student seeking an enhanced understanding of contemporary cultural relations.

Minor Admission Requirements
- None

Other Requirements
- Students must earn a grade of “C” (2.0) or better in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department of Anthropology.
### Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

### Required Courses (3 hrs)
- **Select 1:**
  - **ANT 2000** General Anthropology or **ANT 2410** Cultural Anthropology

### Restricted Electives (15 hrs)
- Select five of the following. Substitutions require prior consent of the Anthropology Coordinator.
  - **ANT 3164** Ancient Incas
  - **ANT 3212** Peoples of the World
  - **ANT 3241** Magic, Ritual, and Belief
  - **ANT 3245** Native American Religions
  - **ANT 3302** Sex, Gender and Culture
  - **ANT 3312** Anthropology of Diaspora
  - **ANT 3319** Ethnology of North American Indians
  - **ANT 3398** Anthropology of Black/Seminole Relations
  - **ANT 3541** Biobehavioral Anthropology
  - **ANT 3610** Language and Culture
  - **ANT 3700** Applied Anthropology
  - **ANT 4266** Economic Anthropology: Production, Consumption, and Exchange
  - **ANT 4303** Anthropology of Tourism
  - **ANT 4308** Gender Issues in Latin America
  - **ANT 4332** People and Cultures of Latin America
  - **ANT 4340** Caribbean Cultures
  - **ANT 4408** Cultural, Disease, and Healing
  - **ANT 4467** Nutritional Anthropology
  - **ANT 4516** Human Biological Diversity
  - **ANT 4702** Culture, Power and Development
  - **SYD 3700** Race and Ethnicity

### 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.

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### Art History - Minor

**College of Arts and Humanities**

**School of Visual Arts and Design, Visual Arts Building, Room: 117**


Ms. Donna Mercado, 407-823-1708

The School of Visual Arts and Design affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, art courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

### Minor Admission Requirements
- None

### Other Requirements
- None

### Prerequisite Courses
- None

### Required Courses (18 hrs)
- **ARH 2050** History of Western Art I
- **ARH 2051** History of Western Art II
- **ARH 4310** History of Italian Renaissance Art
- **ARH 4430** History of 19th Century Art
- **ARH 4450** History of 20th Century Art

### Non-Western Course Requirement 3 hrs
- Select 1:
  - **ARH 3520** African Art
  - **ARH 4540** Art of India
  - **ARH 4653** Meso American Art

### Restricted Electives (9 hrs)
- **ARH 4200** Medieval Art
- **ARH 4350** Baroque Art
- **ARH 4800** Theory and Criticism of the Visual Arts
- **ARH 4871** Women in Art

### Total Semester Hours Required
- 27

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### Art - Studio - Minor

**College of Arts and Humanities**

**School of Visual Arts and Design, Visual Arts Building, Room: 117**


Ms. Donna Mercado, 407-823-1708

The School of Visual Arts and Design affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, art courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

### Minor Admission Requirements
- None

### Other Requirements
- None

### Prerequisite Courses
- None

### Required Courses (18 hrs)
- **ART 2200** History of Western Art I
- **ART 2201** History of Western Art II
- **ART 2203** Design Fundamentals-Three Dimensional
- **ART 2301** Drawing Fundamentals I
- **ART 2302** Drawing Fundamentals II
- **ART 2395** Portfolio Review

### Total Semester Hours Required
- 24
Minors

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- At least two of the required courses must be regularly scheduled 3000-4000 level courses in a single area of specialization in the School of Visual Arts and Design.
- Grades below "C" (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Asian Studies - Minor
College of Arts and Humanities

College of Arts and Humanities
http://www.cah.ucf.edu/
Dr. Paul Giordano, 407-823-2472

An interdisciplinary minor in which several UCF departments participate in order to offer students a basic and well-rounded background in the field. Courses are to be selected in consultation with a departmental advisor.

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses
- (3 hrs)
  HUM 3401 Asian Humanities 3 hrs

Restricted Electives
- (18 hrs)
  Approved courses (see department for listing)

Foreign Language Requirements
- None

Total Semester Hours Required
- 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, kassab@mail.ucf.edu, 407-823-5778
Dr. Charles Hughes, Computer Science Track, ceh@cs.ucf.edu, 407-823-2762

The Bioengineering minor prepares engineering and computer science students to pursue graduate academic and professional careers serving a wide range of the medical arena in research and development. Candidates completing this minor will also satisfy course admissions requirements for the UCF Medical School and other medical schools in the US. Engineering and computer science students interested in pursuing an MD degree at UCF or elsewhere are strongly encouraged to seek further advisement from the Office of Pre-Professional Advisement or the Pre-Health Professions Advisement office. The minor constitutes up to: (a) for the engineering track 21 hours of coursework over the requirements for a bachelor of science degree in an engineering discipline at UCF, and (b) a minimum 17 hours of coursework over the requirements for a bachelors of science degree in computer science at UCF.

Minor Admission Requirements
- Admission Requirements: Entrance into the minor is required upon admission to the University and requires a minimum high school un-weighted GPA 3.7, and ACT 30 or SAT 1300. Well-qualified students in the College of Engineering and Computer Science of at least junior standing can also be considered for admission into the minor. In order to remain in the program, students must maintain a UCF Undergraduate GPA 3.0. Candidates should contact the CECS Academic Affairs Office, bioengineering@mail.ucf.edu, for application into the minor. Applications will be reviewed and decisions rendered by an admissions committee.

Other Requirements
- None

Astronomy - Minor
College of Sciences

Department of Physics, Math and Physics, Room: 310
E-mail: physics@ucf.edu
Dr. Humberto Campins
Phone: 407-823-2325

Minor Admission Requirements
- The minor is not open to Physics majors with an Astronomy specialization.

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
Minors

**Biology - Minor**

**College of Sciences**

Department of Biology, Biology, Room: 301

http://biology.cos.ucf.edu/

E-mail: biology@ucf.edu

Mr. Frank Logiudice

Phone: 407-823-2141

**Minor Admission Requirements**

- The minor is not open to Biology or Biology Preprofessional majors.

**Other Requirements**

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted in the minor.
- At least 15 hours used in the minor must be earned at UCF within the department of Biology.

**Prerequisite Courses**

- Students must satisfy each course’s prerequisites before enrolling in the class.

**Required Courses (31 hrs)**

- BSC 2010C  Biology I  4 hrs
- BSC 2011C  Biology II  4 hrs
- CHM 2045C  Chemistry Fundamentals I  4 hrs
- CHM 2046  Chemistry Fundamentals II  3 hrs
- CHM 2210  Organic Chemistry I  3 hrs
- PCB 3023  Molecular Cell Biology  3 hrs
- PCB 3044  Principles of Ecology  3 hrs
- PCB 3063  Genetics  3 hrs
- PCB 4683  Evolutionary Biology  4 hrs
- Select one of the following sequences of courses:
  - Note: These courses are considered equivalent.
  - CHM 2045C  Chemistry Fundamentals I  4 hrs
  - or
  - CHM 2040C  Chemistry Fundamentals IA and 3 hrs
  - CHM 2041C  Chemistry Fundamentals IB  3 hrs

**Restricted Electives**

- None

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 31

**Business - Minor**

**College of Business Administration**

Department of Management, Business Administration

II, Room: 101

Undergraduate Student Services , 407-823-2184

Minor for Non-Business Majors

**Minor Admission Requirements**

- None

**Other Requirements**

- None

**Prerequisite Courses**

- None
Minors

Chemistry - Minor

College of Sciences
Department of Chemistry, Chemistry, Room: 117
http://www.cos.ucf.edu/chemistry
E-mail: chemistry@ucf.edu
Dr. Pedro Patino, ppatino@mail.ucf.edu

Minor Admission Requirements
- The minor is not open to Chemistry majors.

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) or "S" grades from other institutions are not accepted.
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- At least twelve hours used in the minor must be earned at UCF within the College of Business.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.
- 30 of the last 39 hours of course work must be completed in residency at UCF.

Prerequisite Courses
- Students must satisfy each course's prerequisites before enrolling in the class.

Required Courses (24 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC2021</td>
<td>Principles of Financial Accounting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AC2071</td>
<td>Principles of Managerial Accounting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EC2013</td>
<td>Principles of Macroeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EC2023</td>
<td>Principles of Microeconomics</td>
<td>3 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>
</tbody>
</table>

Restricted Electives (8 hrs)
- At least one course must be selected from group I and the remaining from group I and/or II

Group I: Select at least one course

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCH 4103L</td>
<td>Biochemical Methods</td>
<td>2 hrs</td>
</tr>
<tr>
<td>CHM 3212L</td>
<td>Organic Laboratory Techniques II</td>
<td>2 hrs</td>
</tr>
<tr>
<td>CHM 3411L</td>
<td>Physical Chemistry Laboratory</td>
<td>2 hrs</td>
</tr>
<tr>
<td>CHM 4130</td>
<td>Advanced Analytical Laboratory Technique</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 5451C</td>
<td>Techniques in Polymer Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHS 3530C</td>
<td>Forensic Analysis of Controlled Substances</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

Group II:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCH 4053</td>
<td>Biochemistry I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BCH 4054</td>
<td>Biochemistry II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 3410</td>
<td>Physical Chemistry I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 3411</td>
<td>Physical Chemistry II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 3422</td>
<td>Applied Physical Chemistry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 4220</td>
<td>Organic Chemistry III</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 5225</td>
<td>Advanced Organic Chemistry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 5235</td>
<td>Applied Molecular Spectroscopy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 5450</td>
<td>Polymer Chemistry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHS 4200</td>
<td>Concepts in Industrial Chemistry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHS 4615</td>
<td>Environmental Chemistry</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Foreign Language Requirements
- None

Total Semester Hours Required
- 24

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- 30 of the last 39 hours of course work must be completed in residency at UCF.

Coaching - Minor

College of Education
Department of Child, Family and Community Sciences, Education Building, Room: 209
Debby Mitchell, ED 320H, mitchell@mail.ucf.edu
Phone: 407-823-6598

The coaching minor is designed to provide a limited, but substantive experience in the field of coaching. The state of Florida requires a coaching endorsement, which includes nine hours (Human Injuries, Coaching Theory, and a Coaching Specialization course), for all persons certified to teach. This minor is appropriate for those students who plan to coach and/or are seeking a career in the fields of Physical Education and sport. The following courses will give the student a coaching endorsement as well as strengthen the marketability of the student's major program. This Minor is available for students in the 2001 Catalog Year and beyond.

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (15 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PET 2622C</td>
<td>Human Injuries</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 3765</td>
<td>Coaching Theory</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>PET 4763</td>
<td>Coaching Methods And Principles</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPM 3204</td>
<td>Sports and Ethics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Select 1: 3 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEO 2624</td>
<td>Coaching Basketball</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PEO 3324</td>
<td>Coaching Volleyball</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PEO 3644</td>
<td>Coaching Football</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Other Requirements

- If the student has completed this course at a community college, it may be transferred into the program.

Restricted Electives (8 hrs)
- At least one course must be selected from group I and the remaining from group I and/or II

Group I: Select at least one course

<table>
<thead>
<tr>
<th>Course Code</th>
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</tr>
<tr>
<td>CHM 5225</td>
<td>Advanced Organic Chemistry</td>
<td>3 hrs</td>
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<tr>
<td>CHM 5235</td>
<td>Applied Molecular Spectroscopy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 5450</td>
<td>Polymer Chemistry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHS 4200</td>
<td>Concepts in Industrial Chemistry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHS 4615</td>
<td>Environmental Chemistry</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Foreign Language Requirements
- None

Total Semester Hours Required
- 28
Cognitive Sciences - Minor
College of Arts and Humanities
Department of Philosophy, Psychology Building, Room: 220
http://www.philosophy.cah.ucf.edu
E-mail: philosophy@mail.ucf.edu
Jennifer Mundale, 407-823-2273

The cognitive sciences minor provides an interdisciplinary approach to the study of mind, brain, and cognition, broadly construed. It complements the background of students intending to pursue graduate degrees in cognitive science, computer science, philosophy, psychology, biology, neuroscience, and medicine, as well as students with more immediate career goals in fields such as neural network modeling, neuroimaging, information technology, clinical or counseling psychology, biotechnology, and others.

Minor Admission Requirements
■ None

Other Requirements
■ An overall GPA of 2.0 is required to satisfy the minor.
■ 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 TSD or Military credit may be used.
■ Internship of Independent Study credit cannot be used towards the minor.
Minors

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (24 hrs)
- LIN 3716 Language Development 3 hrs
- LIN 3716L Language Development Lab 2 hrs
- SPA 3101 Physiological Bases of Speech and Hearing 3 hrs
- SPA 3112 Basic Phonetics 3 hrs
- SPA 3112L Basic Phonetics Lab 1 hr
- SPA 3471 Communication Disorders in Literature and Media 3 hrs
- SPA 4032 Audiology 3 hrs
- SPA 4400 Language Disorders Across the Lifespan 3 hrs

Restricted Electives
- None

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.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the School of Visual Arts and Design.
- No credit by exam (TSD, Military credit) may be used toward the minor.

Community Arts - PAVE - Minor

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
Janet Kilbride, 407-823-2676

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses
- CDA 3103 Computer Logic and Organization 3 hrs
- COP 3223 Introduction to Programming with C 3 hrs
- COP 3330 Object Oriented Programming 3 hrs
- COP 3502C Computer Science I 3 hrs
- COP 3503C Computer Science II 4 hrs

Select 1: 3 hrs
- COT 3100C Introduction to Discrete Structures or MAD 2104 Foundations of Discrete Math 3 hrs

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.
- 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 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

Other Requirements
- None
### Dance - Minor

**College of Arts and Humanities**  
Department of Theatre, UTC, Room: 180  
[http://www.theatre.ucf.edu](http://www.theatre.ucf.edu)

**Minor Admission Requirements**  
- A successful audition - contact department for audition dates.

**Other Requirements**  
- Students must earn an overall minimum of 2.0 GPA in the courses used to satisfy the minor.
- Grades less than "C-" (1.75) are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

**Prerequisite Courses**  
- None

**Required Courses**  
- (6 hrs)  
  - CCJ 3014: Crime in America 3 hrs  
  - CCJ 3024: Criminal Justice System 3 hrs

**Restricted Electives**  
- (12 hrs)  
  - Select 2: 6 hrs  
    - CJC 3010: Corrections and Penology or 3 hrs  
    - CJE 4014: Police and Society or 3 hrs  
    - CJI 3510: Prosecution and Adjudication 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

---

### Digital Media - Minor

**College of Arts and Humanities**  
School of Visual Arts and Design

[http://www.svad.ucf.edu](http://www.svad.ucf.edu)  
E-mail: svad@mail.ucf.edu  
Phone: 407-823-6100

**Minor Admission Requirements**  
- None

**Other Requirements**  
- None

**Prerequisite Courses**  
- None

**Required Courses**  
- (13 hrs)  
  - COP 2500C: Concepts in Computer Science 4 hrs  
  - DIG 2000: Introduction to Digital Media 3 hrs  
  - DIG 3138C: Digital Imagery 3 hrs  
  - DIG 3716C: Internet Interaction 3 hrs

**Restricted Electives**  
- (6 hrs)  
  - Select two courses:  
    - DIG 4324C: Modeling for Realtime Systems II 3 hrs  
    - DIG 4455: Interactive Performance II 3 hrs  
    - DIG 4503: Rapid Application Web Development 3 hrs  
    - DIG 4530C: Media for e-Commerce 3 hrs  
    - DIG 4630C: Media Business Practices 3 hrs  
    - DIG 4713: Game Design 3 hrs  
    - DIG 4715C: Game Production 3 hrs  
    - DIG 4780C: Modeling for Realtime Systems 3 hrs

**Foreign Language Requirements**  
- None

**Total Semester Hours Required**  
- 19

**Other Requirements**  
- A minimum grade of "C" (2.0) or better is required in each course used to satisfy the minor, except in DIG 2000 where a "B" (3.0) or better is required.
- 12 hours used in the minor must be taken at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, cooperative education, or Independent Study credit can be used in the minor only with prior written permission.
Minors

Early Childhood Development and Education - Minor
College of Education
Department of Child, Family and Community Sciences, Education Building, Room: 209
http://education.ucf.edu/ece/
E-mail: ece@mail.ucf.edu
Dr. Judy Levin, ED 122L, jlevin@mail.ucf.edu
Phone: 407-823-4615

The Early Childhood Development and Education minor is intended to provide a limited, but substantive experience in the fields of development and early childhood education. The minor is intended for University students enrolled outside the Early Childhood Development and Education major and does not lead to teacher certification or admission to the College of Education. The minor is appropriate for students who are seeking an enhanced understanding of education or are considering a career working with young children in the fields of early childhood education, social work, psychology or health services. This minor will strengthen the marketability of the student’s major program. This minor is available for students in the 2003 catalog year and beyond.

Minor Admission Requirements
■ Completion of the CLAS requirement, not alternatives, or completion of an A.A. degree from a Florida public post-secondary institution, including completion of the CLAS requirement or alternatives.
■ A minimum overall GPA of 2.75.
■ No credit by exam (CLEP, Military credit) may be used. Transfer credits from other universities will be considered.

Other Requirements
■ A minimum GPA of 2.75 in all Early Childhood Development and Education courses.
■ At least 12 hours used in the minor must be earned at UCF.

Prerequisite Courses
■ None

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>(18 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEC 3700</td>
<td>Social and Emotional Development of Young Children 3 hrs</td>
</tr>
<tr>
<td>ECD 4268</td>
<td>Curriculum Activities in Early Childhood 3 hrs</td>
</tr>
<tr>
<td>ECD 4604</td>
<td>Classroom Management and Guidance of Young Children 3 hrs</td>
</tr>
<tr>
<td>ECD 4661</td>
<td>Early Childhood Education Theory and Practice 3 hrs</td>
</tr>
<tr>
<td>EEX 3450</td>
<td>Young Children With Special Needs 3 hrs</td>
</tr>
<tr>
<td>RED 3310</td>
<td>Early Reading, Writing and Language Arts 3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Restricted Electives</th>
<th>(3 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Choose one:</td>
<td></td>
</tr>
<tr>
<td>EEC 4303</td>
<td>Planning Creative Activities in Early Childhood Education 3 hrs</td>
</tr>
<tr>
<td>EEX 4751</td>
<td>Parent Involvement in Education 3 hrs</td>
</tr>
<tr>
<td>MAE 4300</td>
<td>Math Curriculum and Assessment in Early Childhood 3 hrs</td>
</tr>
<tr>
<td>RED 4311</td>
<td>Primary Reading, Writing, and Language Arts Curriculum and Assessment 3 hrs</td>
</tr>
<tr>
<td>SCE 4304</td>
<td>Teaching Science and Technology to Young Children 3 hrs</td>
</tr>
</tbody>
</table>

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ 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.
■ Courses taken at community colleges do not substitute for upper division courses.
■ Courses transferred must be formally evaluated for equivalency. 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.

Economics - Minor
College of Business Administration
Department of Economics, Business Administration II, Room: 305
http://www.bus.ucf.edu/economics
Michael Caputo, BA2 302Q, mcaputo@bus.ucf.edu
David Scrogin, BA2 302U, 407-823-4129
Dr. Nora Underwood, BA2 302N, 407-823-1403
Phone: 407-823-3266

(for both Business Majors and non-Business Majors)

Minor Admission Requirements
■ None

Other Requirements
■ None

Prerequisite Courses
■ None

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>(9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 2013</td>
<td>Principles of Macroeconomics 3 hrs</td>
</tr>
<tr>
<td>ECO 2023</td>
<td>Principles of Microeconomics 3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Select 1:</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 3101</td>
<td>Intermediate Microeconomics or 3 hrs</td>
</tr>
<tr>
<td>ECO 3203</td>
<td>Intermediate Macroeconomics 3 hrs</td>
</tr>
</tbody>
</table>

Restricted Electives
■ 18

<table>
<thead>
<tr>
<th>Upper Division Restricted Electives</th>
<th>9 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select from any ECO, ECP or ECS courses at the 3000 - 4000 level, excluding ECO 3401.</td>
<td></td>
</tr>
<tr>
<td>Note: ECO 3401 (or equivalents) is a pre-requisite for the following:</td>
<td></td>
</tr>
<tr>
<td>ECO 3101</td>
<td>Intermediate Microeconomics 3 hrs</td>
</tr>
<tr>
<td>ECO 3203</td>
<td>Intermediate Macroeconomics 3 hrs</td>
</tr>
</tbody>
</table>

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
■ Grades below “C” (2.0) or “S” grades from other institutions are not accepted.
■ Courses taken at community colleges do not substitute for upper division courses.
■ Courses transferred must be formally evaluated for equivalency. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
■ At least nine hours used in the minor must be earned at UCF within the department.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship, Independent Study, or Directed Research credit cannot be used toward the minor.

Education - Minor
College of Education
Department of Educational Studies, Education Building, Room: 220B
http://education.ucf.edu/
Dr. William Wise, ED 220B, wwise@mail.ucf.edu
Phone: 407-823-1502

The Education minor is intended to provide for university students outside the College of Education a limited but substantial experience...
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

Other Requirements
- None

Prerequisite Courses
- None

Required Courses
- Learning Theory and Assessment (EDF 4467) 3 hrs
- Analysis and Application of Ethical, Legal, and Safety Issues in Schools (EDF 4603) 3 hrs
- Teaching Strategies and Classroom Management (EDG 4410) 3 hrs
- Content Reading in Kindergarten through Grade 12 (RED 4043) 3 hrs
- Theory and Practice of Teaching ESOL (TSL 4080) 3 hrs

Restricted Electives
- Select one: Programs in Teaching Language and Composition (LAE 4342) 3 hrs
- Survey of Adolescent Literature (LAE 4464) 3 hrs
- Programs in Teaching of Mathematics (MAE 4634) 3 hrs
- Programs in Teaching Science (SCE 4361) 3 hrs
- Programs in Teaching Social Science (SSE 4936) 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A grade of "C" (2.0) or better is required in each course used to satisfy the minor.
- A minimum GPA of 2.5 of all Gordon Rule classes is required.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (CLEP, Military credit) may be used. Transfer credits from other universities will be considered.

NOTE:
- Completion of the minor does not complete the requirements for teacher certification nor does it constitute admission to the College of Education.
- 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 expecta-

Minors

Energy and Sustainability - Minor

College of Engineering and Computer Science
Engineering, Room: 107
CECS Academic Affairs
http://www.cecs.ucf.edu
Paul Edlen, paule@mail.ucf.edu, 407-823-2455

Participants in this minor will acquire knowledge in technical, economic and policy issues related to sustainable energy generation, conservation, management and utilization. Those completing the minor will be able to improve their understanding, awareness and job skills to have additional opportunities and advantages to pursue a career in the emerging energy sector.

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Restricted Electives
- Select one: Programs in Teaching Language and Composition (LAE 4342) 3 hrs
- Programs in Teaching Social Science (SSE 4936) 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- Grades below "C" (2.0) or "S" grades are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department.
- Internship or Independent Study cannot be used toward the minor.
- Students must earn a "C" (2.0) or better in each course in the minor.
Minors

Required Courses (12 hrs)
- EGN 4824 Energy and Society 3 hrs
- IDS 3150 Foundations of Environmental Studies 3 hrs
- IDS 4204C Advanced Topics on Energy and Sustainability 3 hrs

Select 1: (3 hrs)
- GE 4152 Technological Entrepreneurship or 3 hrs
- IDS 4949 Cooperative Education 0 hrs

1 Proposals must be approved by the Energy and Sustainability minor program coordinator in cooperation with faculty from the Office of Experiential Learning.

Restricted Electives (6 hrs)
- Select any two elective courses from the following courses:
  - EEL 4216 Fundamentals of Electric Power Systems or 3 hrs
  - EML 4411 Mechanical Power Systems or 3 hrs
  - EML 4454 Turbines for Sustainable Power or 3 hrs
  - EML 4600 HVAC Systems Engineering or 3 hrs
  - EML 4602 Applied HVAC Engineering 3 hrs

Water, Environmental and Waste Management (0 hr)
- ENV 3001 Introduction to Environmental Engineering 3 hrs
- ENV 4120 Air Pollution Control or 3 hrs
- ENV 4341 Solid & Hazardous Waste Management or 4 hrs
- ENV 4561 Environmental Engineering - Process Design 4 hrs

Business and Public Policy (0 hr)
- ECP 3302 Economics and the Environment or 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 (0 hr)
- INR 4350 Global Environmental Politics or 3 hrs
- INR 4351 International Environmental Law or 3 hrs
- PAD 4351 Issues in Environmental Program Management or 3 hrs
- PHI 3640 Environmental Ethics or 3 hrs
- PLA 4554 Environmental Law or 3 hrs
- PUP 3203 Environmental Politics or 3 hrs
- PUP 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
Mr. Kevin Cooley
Phone: 407-823-2204

The Engineering Leadership Minor provides a knowledge base in engineering leadership principles and practices as well as management techniques in a technical environment. This minor is designed to enhance the student's marketability, preparation and career viability as they enter the engineering profession.

Minor Admission Requirements
- Acceptance to the program is from a pool of applicants each fall term for the two semester program. Admission requires an interview with the Director of this minor program, submission of the applicant’s resume with academic and outside activity information, and an essay prepared by the applicant explaining their interest in the program with self development issues they would like to explore in the program.
- Only open to CECS undergraduate students
- A minimum GPA of 3.0 is required for acceptance into this minor degree program

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (18 hrs)
- EGN 3613 Engineering Economic Analysis 2 hrs
- EGN 4624 Engineering Administration 3 hrs
- EIN 3354 Principles of Cost Engineering 3 hrs
- EIN 4191C Engineering Leadership Seminar I 2 hrs
- EIN 4192C Engineering Leadership Seminar II 2 hrs
- Two Engineering Design courses 6 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- Students must have a Grade of “C” (2.0) or better in all courses in the minor.
- Any course substitution must be approved by IEMS Undergraduate Coordinator and/or Department Chair.

English - Creative Writing - Minor
College of Arts and Humanities
Department of English, Colbourn Hall, Room: 405
http://english.cah.ucf.edu/
E-mail: english@mail.ucf.edu
Dr. David Wallace, 407-823-2212

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (6 hrs)
- CRW 3013 Creative Writing for English Majors 3 hrs
- CRW 3053 Theory & Practice of Creative Writing 3 hrs

Restricted Electives (6 hrs)
- Select one course after completing CRW 3013
  - 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

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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 9 hrs

- CRW 3311  Structure of Verse  3 hrs
- CRW 3950  Cypress Dome Editorship  3 hrs
- CRW 4014  The Writing Life  3 hrs
- CRW 4114  History of Prose Style  3 hrs
- CRW 4722  Editing for Creative Writers  3 hrs
- CRW 4724  The Florida Review  3 hrs
- CRW 6806C  Teaching Creative Writing  3 hrs
- ENC 3310  Magazine Writing I  3 hrs
- ENC 3311  Advanced Expository Writing  3 hrs
- Any other CRW elective or Special Topics course  3 hrs

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.

English - Linguistics - Minor

College of Arts and Humanities
Department of English, Colbourn Hall, Room: 405
http://english.cah.ucf.edu/
E-mail: english@mail.ucf.edu
Dr. David Wallace, 407-823-2212

Minor Admission Requirements

- None

Other Requirements

- None

Prerequisite Courses

- None

Required Courses (9 hrs)
- LIN 3010  Principles of Linguistics  3 hrs
- LIN 4106  History of the English Language  3 hrs
- LIN 4680  Modern English Grammar  3 hrs

Restricted Electives (9 hrs)
- ANT 3610  Language and Culture  3 hrs
- LIN 4643  Cross Cultural Communication  3 hrs
- LIN 4660  Linguistics and Literature  3 hrs
- LIN 4801  Language and Meaning  3 hrs
- LIN 5137  Linguistics  3 hrs
- PHI 4221  Philosophy of Language  3 hrs
- PHI 4400  Philosophy of Science  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.

English - Literature - Minor

College of Arts and Humanities
Department of English, Colbourn Hall, Room: 405
http://english.cah.ucf.edu/
E-mail: english@mail.ucf.edu
Dr. David Wallace, 407-823-2212

Minor Admission Requirements

- None

Other Requirements

- None

Prerequisite Courses

- None

Required Courses (3 hrs)
- ENG 3014  Theories and Techniques of Literature Study  3 hrs
- PR for all 4000 level AML, ENG, ENL, and LIT courses

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

- 21

Other Requirements

- A grade of "C" (2.0) or better is required in each course used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF within the department, and must be regularly scheduled, upper level courses.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

English - Technical Communication - Minor

College of Arts and Humanities
Department of English, Colbourn Hall, Room: 405
http://english.cah.ucf.edu/
E-mail: english@mail.ucf.edu
Dr. David Wallace, 407-823-2212

Minor Admission Requirements

- None

Other Requirements

- None

Prerequisite Courses

- None

Required Courses (18 hrs)
- ENC 3241  Writing for the Technical Professional  3 hrs
- ENC 4215  Technical Publication and Project Management  3 hrs
- ENC 4218  The Visual in Technical Documentation  3 hrs
- ENC 4280  Technical Writing Style  3 hrs
- ENC 4293  Documentation and the Collaborative Process  3 hrs
- ENC 4294  Documentation and Client-Based Collaboration  3 hrs
- Students completing the minor may intern with a Central Florida corporation

Restricted Electives

- None

Foreign Language Requirements

- None
Minors

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.

English - Writing - Minor
College of Arts and Humanities
Department of English, Colbourn Hall, Room: 405
http://english.cah.ucf.edu/

E-mail: english@mail.ucf.edu
Dr. David Wallace, 407-823-2212

Minor Admission Requirements

- None

Other Requirements

- None

Prerequisite Courses

- None

Required Courses

- None

Restricted Electives (18 hrs)

- Any 3000 or 4000 level ENC or CRW classes for which the student has met the prerequisites, including:
  - CRW 3013 Creative Writing for English Majors 3 hrs
  - CRW 3053 Theory & Practice of Creative Writing 3 hrs
  - CRW 3120 Fiction Writing Workshop 3 hrs
  - CRW 3211 Creative Nonfiction Writing 3 hrs
  - CRW 3310 Poetry Writing Workshop 3 hrs
  - CRW 3311 Structure of Verse 3 hrs
  - CRW 3610 Writing Scripts 3 hrs
  - CRW 4122 Advanced Fiction Writing Workshop 3 hrs
  - CRW 4123 Science Fiction Writing 3 hrs
  - CRW 4224 Advanced Nonfiction Workshop 3 hrs
  - CRW 4320 Advanced Poetry Writing Workshop 3 hrs
  - CRW 4616 Advanced Scriptwriting Workshop 3 hrs
  - ENC 3241 Writing for the Technical Professional 3 hrs
  - ENC 3250 Professional Writing 3 hrs
  - ENC 3310 Magazine Writing I 3 hrs
  - ENC 3311 Advanced Expository Writing 3 hrs

Please note that students will be allowed to take only two of the following courses: CRW 3120, CRW 3211, CRW 3310, CRW 3610, CRW 4122, CRW 4224, CRW 4320, or CRW 4616

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Entrepreneurship: Business - Minor
College of Business Administration
Department of Management, Business Administration I, Room: 309
http://www.cel.ucf.edu
Dr. Cameron Ford, cford@bus.ucf.edu
Phone: 407-823-5569

Open to Business Students

Minor Admission Requirements

- None

Other Requirements

- None

The English Language Arts Education minor is intended for non-English Language Arts Education majors. It is well suited for students majoring in another secondary content area or as an area for students enrolled in Interdisciplinary Studies. This minor is available for students in the 2008 catalog year and beyond.

Minor Admission Requirements

- Have a minimum 2.5 overall GPA
- Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from an approved Florida community college or state university

Other Requirements

- None

Prerequisite Courses

- None

Required Courses (18 hrs)

- EDF 4467 Learning Theory and Assessment 3 hrs
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- LAE 4342 Programs in Teaching Language and Composition 3 hrs
- LAE 4360 English Instructional Analysis 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL 3 hrs

Restricted Electives

- None

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- Students should see an advisor prior to registering for classes
- Students must complete 18 hrs of courses in English Language Arts as co-requisites
- At least 12 hours in the minor must be earned at UCF
Minors

Entrepreneurship: For Non-Business Majors - Minor
College of Business Administration
Department of Management, Business Administration I, Room: 309
http://web.bus.ucf.edu/

Required Courses (15 hrs)
- GEB 4110 Business Plan Preparation 3 hrs
- GEB 4111 New Venture Finance 3 hrs
- MAN 3301 Management of Human Resources 3 hrs
- MAN 4802 Entrepreneurship 3 hrs

Select 1: 3 hrs
- MAR 3391 Professional Selling
- MAR 3641 Marketing Intelligence

Restricted Electives (3 hrs)
- Any 3000 or 4000 MAN course not in COB core or the following course:
  BUL 4540 Employment Law 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) or “S” grades from other institutions are not accepted.
- Courses 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.
- A maximum of 6 hours of the above listed required or elective courses can count toward another major or minor degree program.

Environmental Studies - Minor
Office of Undergraduate Studies
Office of Interdisciplinary Studies, Classroom I, Room: 302
http://www.is.ucf.edu
E-mail: is@mail.ucf.edu
Phone: 407-823-0144

The Environmental Studies minor is an interdisciplinary program that prepares students for a diverse set of academic endeavors and careers. It delivers the tradition of a liberal arts education with the rigor of the natural and social sciences, providing the introspection and artistic presentation of the humanities with the inquisitiveness that we share concerning our environment.

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- Note: It is the student’s responsibility to ensure that prerequisite courses have been completed before enrolling in any of these courses requiring a prerequisite.

Required Courses (3 hrs)
- IDS 3150 Foundations of Environmental Studies

Restricted Electives (18 hrs)
- Science & Environmental Electives 9 hrs
  - BOT 3802 Ethnobotany 3 hrs
  - BOT 4156C Florida Wildflowers 4 hrs
  - BOT 4303C Plant Kingdom 5 hrs
  - BOT 4686C Conservation and Management of Native Plants 4 hrs
  - BSC 3120C Marine Biology 3 hrs
  - BSC 4302C Marine Biology Laboratory 1 hr
  - ENV 3001 Introduction to Environmental Engineering 3 hrs
  - ENV 4341 Solid & Hazardous Waste Management 4 hrs
  - HSC 4500 Epidemiology 3 hrs
  - OCE 3008 Oceanography 3 hrs
  - PCB 3044 Principles of Ecology 3 hrs
  - PCB 3044L Principles of Ecology Laboratory 1 hr
  - PCB 3063 Genetics 3 hrs
  - PCB 3304C River Ecology 4 hrs
  - PCB 3314 Marine Bio Diversity 3 hrs
  - PCB 3442 Florida Aquatic Ecology 4 hrs
  - PCB 3442C Florida Aquatic Ecology Laboratory 1 hr
  - PCB 3452C Physicochemical Limnology 4 hrs
  - PCB 3453C Biological Limnology 4 hrs
  - PCB 4683 Evolutionary Biology 4 hrs
Minors

Social & Humanities Electives 9 hrs
ECO 4701 Seminar in Global Economic Policy 3 hrs
1 ECP 3302 Economics and the Environment 3 hrs
1 ECP 4309 Environmental and Natural Resource Economics 3 hrs

GEO 2370 Resources Geography 3 hrs
GIS 3043C GIS for Environmental Studies 3 hrs
GIS 4035C Remote Sensing of the Environment 3 hrs
GIS 4301C Advanced GIS Applications in Environmental Studies 4 hrs

INR 4351 International Environmental Law 3 hrs
PAD 3330 Urban and Regional Planning 3 hrs
PAD 4351 Issues in Environmental Program Management 3 hrs

PHI 3033 Philosophy, Religion, and the Environment 3 hrs
PHI 3640 Environmental Ethics 3 hrs
PHI 4400 Philosophy of Science 3 hrs
PHI 4633 Ethics and Biological Science 3 hrs
PHM 4051 Environmental Philosophy 3 hrs
PLA 4554 Environmental Law 3 hrs

PUP 3203 Environmental Politics 3 hrs
PUP 4204 Sustainability 3 hrs
PUP 4503 Government and Science 3 hrs

1 Only one of these two courses may be used to fulfill these restricted electives

Foreign Language Requirements
■ 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 must be taken at the upper division.
■ 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 require prior approval from the Interdisciplinary Studies advisers to be used toward the minor.
■ Internship, Independent study, and co-op credit cannot be used in this minor without prior approval from the Interdisciplinary Studies advisers.

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

Other Requirements
■ A grade of "C" (2.0) or better is required for all courses counting toward 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 3 hrs
ENL 4101 English Novel or 3 hrs
ENL 4240 English Romantic Writers or 3 hrs
ENL 4262 Nineteenth Century British Prose or 3 hrs
ENL 4273 Modern British Literature or 3 hrs

Other Requirements
■ 18 hours must be taken at the upper division.
■ A grade of "C" or above (2.0) is required in each course.

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 3401 English History: 1485-1815 or 3 hrs
EUH 3411 Ancient Rome or 3 hrs
EUH 3431 History of Modern Italy or 3 hrs
EUH 3450 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 4511 History of Russia: 1801-1917 or 3 hrs
EUH 4574 History of Russia in the 20th Century or 3 hrs
EUH 4576 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
**Exceptional Education - Minor**

**College of Education**
Department of Child, Family and Community Sciences,
Education Building, Room: 209
http://www.education.ucf.edu
Linda Alexander, lalexand@mail.ucf.edu, 407-823-2598
Phone: 407-823-5445

The Exceptional Education minor is intended to provide a limited, but substantive experience in the fields of education and exceptional children. The minor is not intended for students enrolled in the College of Education and does not lead to teacher certification nor admission to the College of Education. The minor is appropriate for students who are seeking an enhanced understanding of education or are considering a career in the fields of education or exceptional education. This minor will strengthen the marketability of the student’s major program.

**Minor Admission Requirements**
- None

**Other Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses**
- **(12 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
  - EEX 4601 Introduction to Behavior Management 3 hrs
  - EEX 4763 Technology for Classroom Teachers of Students with Special Needs 3 hrs

**Restricted Electives**
- Choose either Elementary Restricted Electives or Secondary Restricted Electives as a focus

**Elementary Restricted Electives**
- EEX 4070 Teaching Exceptional Students 3 hrs

**Select 1:**
- EEX 3221 Assessment of Exceptional Students or 3 hrs
- EEX 3241 Methods for Academic Skills for Exceptional Students 3 hrs

**Secondary Restricted Electives**
- EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs

**Select 1:**
- EEX 3221 Assessment of Exceptional Students or 3 hrs
- EEX 3243 Techniques for Exceptional Adolescents-Adults 3 hrs

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 21

**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.film.cah.ucf.edu/
E-mail: film@mail.ucf.edu
Mr. S. Schlow, 407-823-2845
Phone: 407-823-4285

**Minor Admission Requirements**
- Completion of a Minor Declaration form

**Other Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses**
- **(12 hrs)**
  - FIL 2030 History of Motion Pictures 3 hrs
  - FIL 2423 Foundations of Production 3 hrs
  - FIL 3006 Art of the Cinema 3 hrs

**Select 1:**
- FIL 1000 Cinema Survey or 3 hrs
- FIL 1007 Foundations of Story 3 hrs
## Minors

### Finance - Minor

#### College of Business Administration

**Department of Finance, Business Administration I, Room: 409**

Students seeking advising must go to BA 2 room 101.  

Open to business and non-business students. Not available to finance majors.

#### Minor Admission Requirements

- None

#### Other Requirements

- A grade of "C" (2.0) or better is required in all courses used to satisfy the minor.
- At least 12 hours must be earned at UCF within the department.
- No credit exam (TSD, Military credit) may be used.
- Internship, Co-op, Independent Study credit cannot be used toward the minor.

#### Required Courses (10 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACG 2021</td>
<td>Principles of Financial Accounting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 2023</td>
<td>Principles of Microeconomics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Prerequisite Courses

- None

#### Required Courses (10 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIN 2100</td>
<td>Personal Finance and Investments</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIN 3303</td>
<td>Financial Markets</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIN 3403C</td>
<td>Business Finance</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

#### Restricted Electives (6 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIL 3414</td>
<td>Intermediate Corporate Finance or Investment</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIN 3461</td>
<td>Financial Statement Analysis or Commercial Bank</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIN 3504</td>
<td>Investment Analysis</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIN 4324</td>
<td>Commercial Bank Management or Financial Models</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIN 4453</td>
<td>Financial Derivatives or International Financial Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIN 4514</td>
<td>Portfolio Analysis and Management or Financial Derivatives</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Foreign Language Requirements

- None

#### Total Semester Hours Required

- 18

### Fitness Training - Minor

#### College of Education

**Department of Child, Family and Community Sciences, Education Building, Room: 209**

Anna Valdes, ED 320 H, asarmien@mail.ucf.edu  
Phone: 352-536-2141

The Fitness Training minor is for the students interested in working in wellness centers as personal trainers. This minor provides the knowledge and experiences to be successful in this growing and exciting area. The goal is to provide guided practical skills application to those students who wish to teach fitness related concepts to individuals and/or groups. With the knowledge acquired from the completion of the required coursework for the Fitness Training Minor, students will be prepared and eligible to receive certification from The American Council on Exercise. This Minor is available for students in the 2001 Catalog Year and beyond.

#### Minor Admission Requirements

- None

#### Other Requirements

- None

#### Prerequisite Courses

- None

#### Required Courses (12 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PET 4083</td>
<td>Personal Training Methods</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 4312</td>
<td>Biomechanics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 4550</td>
<td>Fitness Assessment</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 ZOO 3736C</td>
<td>Exercise Physiology Anatomy</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

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)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PET 3361</td>
<td>Nutrition for Sport and Fitness</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 3768</td>
<td>Group Exercise Instruction</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 3771</td>
<td>Strength and Conditioning Concepts</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>PET 4351C</td>
<td>Applied Exercise and Human Physiology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Foreign Language Requirements

- None

#### Total Semester Hours Required

- 19
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

Other Requirements
- No grades below "C-" (1.75) and no "S" grades will be accepted.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

Required Courses
- None

Restricted Electives
- Select six upper division courses in French, including the 3000-level advanced oral communication and composition courses.
- A native or near-native speaker must substitute an alternate upper division course for the advanced oral communication course.
- Approval of a departmental advisor is required prior to registration.

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A grade of "C" (2.0) or better is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental permission.

German - Minor
College of Arts and Humanities
Department of Modern Languages and Literatures, Colbourn Hall, Room: 523
http://mll.cah.ucf.edu
E-mail: forlang@mail.ucf.edu
Dr. Paul Giordano, 407-823-2472

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses
- None

Restricted Electives
- Select six upper division courses in German, including the 3000-level advanced oral communication and composition courses.
- A native or near-native speaker must substitute an alternate upper division course for the advanced oral communication course.
- Approval of a departmental advisor is required prior to registration.

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A grade of "C" (2.0) or better is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental permission.

Health Informatics and Information Management - Minor
College of Health and Public Affairs
Department of Health Management and Informatics, Health and Public Affairs II, Room: 210
Alice Noblin, anoblin@mail.ucf.edu, 407-823-2353

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (20 hrs)
- HIM 3006  Foundations of Health Information Management (HIM)  3 hrs
- HIM 4226C  Coding Procedures I  5 hrs
- HIM 4256C  Coding Procedures II  3 hrs
- HIM 4508C  Quality Management  3 hrs
- HIM 4656C  Health Information Management Systems  3 hrs
- HSC 3537  Medical Terminology  3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 20

Other Requirements
- A minimum overall GPA of 2.5 is required. A minimum grade of "C" (2.0) is required in each course for the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by examination (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor without departmental approval.
Minors

Health Sciences - Minor
College of Health and Public Affairs
Department of Health Professions,
Health and Public Affairs II, Room: 212
L. Timothy Worrell, 407-823-2214

Minor Admission Requirements

Other Requirements

Prerequisite Courses

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HSA 3111</td>
<td>U.S. Health Care Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSC 3110</td>
<td>Medical Self Assessment</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HUN 2002</td>
<td>Modern Concepts in Nutrition</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Restricted Electives

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>9 additional hours of upper division courses in the Department of Health Professions or the Department of Health Management and Informatics.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Foreign Language Requirements

Total Semester Hours Required

18

Other Requirements

Majors may not count courses presently required in a department program.
A minimum GPA of 2.5 is required in all coursework, and a minimum grade of “C” (2.0) is required in all Health Professions courses.
At least 15 hours used in the minor must be earned at UCF within the department.
No credit by exam (TSD, Military credit) may be used.
Internship or Independent Study credit cannot be used toward the minor.

Health Services Administration - Minor
College of Health and Public Affairs
Department of Health Management and Informatics,
Health and Public Affairs II, Room: 210
E-mail: hsainfo@mail.ucf.edu
Dr. Kendall Cortelyou-Ward, 407-823-2359

Minor Admission Requirements

Other Requirements

Prerequisite Courses

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HSA 3111</td>
<td>U.S. Health Care Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSC 3110</td>
<td>Organization &amp; Management for Health Agencies I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSA 4191</td>
<td>Health Care Automation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSC 4201</td>
<td>Community Health</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSC 4500</td>
<td>Epidemiology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Restricted Upper Division Electives

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 additional hours of upper division courses in the Department of Health Professions or the Department of Health Management and Informatics.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Restricted Electives

<table>
<thead>
<tr>
<th>Course</th>
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<th>Hours</th>
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<tbody>
<tr>
<td>3 additional hours of upper division courses in the Department of Health Professions or the Department of Health Management and Informatics.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Foreign Language Requirements

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.

History - Minor
College of Arts and Humanities
Department of History, Colbourn Hall, Room: 551
http://www.history.cah.ucf.edu/
E-mail: history@mail.ucf.edu
Dr. Rosalind J. Belier, 407-823-2225

Minor Admission Requirements

Other Requirements

Prerequisite Courses

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Histo 3331C</td>
<td>History of Modern Europe (Global)</td>
<td>3 hrs</td>
</tr>
<tr>
<td>H好友 4302</td>
<td>World History (Global)</td>
<td>3 hrs</td>
</tr>
<tr>
<td>H友 4325B</td>
<td>Modern European History</td>
<td>3 hrs</td>
</tr>
<tr>
<td>H友谊 4345B</td>
<td>Modern Latin American History</td>
<td>3 hrs</td>
</tr>
<tr>
<td>H友谊 4365B</td>
<td>Modern Continental History</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Restricted Upper Division Electives

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 additional hours of upper division courses in the Department of History Department</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Restricted Electives

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 additional hours of upper division courses in the Department of History Department</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Foreign Language Requirements

Total Semester Hours Required

18

Other Requirements

Majors may not count courses presently required in a department program.
A minimum GPA of 2.5 is required in all coursework, and a minimum grade of “C” (2.0) is required in all courses for the minor.
At least 15 hours used in the minor must be earned at UCF within the department.
No credit by exam (TSD, Military credit) may be used.
Internship or Independent Study credit cannot be used toward the minor.

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

Other Requirements

Prerequisite Courses

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HSA 3111</td>
<td>U.S. Health Care Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSA 4180</td>
<td>Organization &amp; Management for Health Agencies I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSA 4191</td>
<td>Health Care Automation</td>
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<td>HSC 4201</td>
<td>Community Health</td>
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<tr>
<td>HSC 4500</td>
<td>Epidemiology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Restricted Upper Division Electives

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 additional hours of upper division courses in the Department of Hospitality Management and Informatics.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Restricted Electives

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 additional hours of upper division courses in the Department of Hospitality Management and Informatics.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Foreign Language Requirements

Total Semester Hours Required

18

Other Requirements

Majors may not count courses presently required in a department program.
A minimum GPA of 2.5 is required in all coursework, and a minimum grade of “C” (2.0) is required in all courses for the minor.
At least 15 hours used in the minor must be earned at UCF within the department.
No credit by exam (TSD, Military credit) may be used.
Internship or Independent Study credit cannot be used toward the minor.

UNIVERSITY OF CENTRAL FLORIDA
Prerequisite Courses
- None

Required Courses (18 hrs)
- Take all of the following:
  - HFT 1000 Introduction to the Hospitality and Tourism Industry and Services Management I 3 hrs
  - HFT 3540
- Select 2:
  - HFT 2220 Hospitality Human Resources Management or 3 hrs
  - HFT 2401 Hospitality Industry Financial Accounting or 3 hrs
  - HFT 2500 Hospitality and Tourism Marketing or 3 hrs
  - HFT 3431 Hospitality industry Managerial Accounting or 3 hrs
  - HFT 3444 Hospitality Information Systems or 3 hrs
  - HFT 3603 Legal Environment in the Hospitality and Tourism Industry or 3 hrs
  - HFT 4286 Hospitality Communications or 3 hrs
  - HFT 4464 Hospitality Industry Finance 3 hrs
- Select 2:
  - FSS 2221C Techniques of Food Preparation or 4 hrs
  - HFT 2254 Lodging Operations or 3 hrs
  - HFT 2750 The Event Industry or 3 hrs
  - HFT 3263 Restaurant Management or 3 hrs
  - HFT 3273 Principles of Resort Timesharing or 3 hrs
  - HFT 3700 Tourism Management or 3 hrs
  - HFT 4277 Yacht, Country, And City Club Management or 3 hrs
  - HFT 4755 Theme Park and Attraction Management 3 hrs

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 (TSD, Military credit) may be used in the minor.
- It is the responsibility of the student to take whatever steps are necessary to determine if they have been officially dropped from a course. This does not remove the student’s responsibility for dropping courses they do not intend to complete.
- Final exams will be given during Final Exam Week only.
- Internship or Independent Study credit cannot be used toward the minor.

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
Ms. Ann Maukonen, 407-823-2273

A multicultural minor focusing on the art, literature, philosophy, and religion of various world cultures. This minor is intended to provide a limited, yet substantive, introduction to humanities themes related to knowledge, responsibility, and society. Students interested in the Interdisciplinary Studies major may find this minor particularly helpful. In consultation with a departmental advisor, student will select courses in accordance with the distributions listed below.

Minor Admission Requirements
- None

Other Requirements
- 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 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
  - HUM 3553 Moses, Jesus and Muhammad or 3 hrs
  - JST 3401 The Jewish People I or 3 hrs
  - PHI 3701 Native American Philosophy 3 hrs

- Select 2:
  - HUM 4350 Performance Theory or 3 hrs
  - HUM 4554 Religious Quest and Human Dilemma or 3 hrs
  - PHI 3022 Sexuality, Gender & Philosophy or 3 hrs
  - PHI 3033 Philosophy, Religion, and the Environment or 3 hrs
  - PHI 3638 Ethical Issues in the 21st Century or 3 hrs
  - PHI 3803 Philosophy and Creativity or 3 hrs
  - PHI 4321 Philosophy of Embodiment: Mind/Body/Self or 3 hrs
  - REL 3111 Religion and Philosophy Through Film or 3 hrs
  - REL 3115 Religion, Spirituality, and Popular Music 3 hrs

Restricted Electives (3 hrs)
- Select one additional course from the above list or from the following:
  - CLT 3370 Classical Mythology 3 hrs
  - CLT 3378 Comparative Mythology 3 hrs
  - HUM 3320 Contemporary Multicultural Studies 3 hrs
  - HUM 4301 The Classical Ideal 3 hrs
  - HUM 4303 The Spiritual Ideal 3 hrs
  - PHI 3700 Philosophy of Religion 3 hrs
  - PHI 3800 Aesthetics 3 hrs
  - PHI 4804 Critical Theory 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 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.
### Information Technology - Minor

**College of Engineering and Computer Science**  
**School of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 246**  
**http://www.eecs.ucf.edu**  
Dr. Mark Llewellyn, Markl@cs.ucf.edu

**Minor Admission Requirements**  
- Not open to Information Technology majors.

**Other Requirements**  
- None

**Prerequisite Courses**  
- None

**Required Courses**  
- (3 hrs)
  - Option 1: 7 hrs
    - Not open to Computer Science Minors or Interdisciplinary Studies Majors
    - Select one of the following three options:
      - COP 2900C Concepts in Computer Science 4 hrs
      - CSE 1060C Introduction to Computer Science 3 hrs
      - CSE 2100C Computer Fundamentals for Business 3 hrs
  - Option 2: 6 hrs
    - Not open to Computer Science Minors or Interdisciplinary Studies Majors
    - COP 3223 Introduction to Programming with C 3 hrs
    - COP 3502C Computer Science I 3 hrs
  - Option 3: 3 hrs
    - Computer Science Minors and Interdisciplinary Studies Majors Only
    - Select 1: 3 hrs
      - CSE 1060C Introduction to Computer Science or 3 hrs
      - CSE 2100C Computer Fundamentals for Business 3 hrs
  - Restricted Electives: (9 hrs)
    - Select 1: 3 hrs
      - CSE 2545C Database Concepts or 3 hrs
    - Select 2: 3 hrs
      - CSE 2585C Desktop/Internet Publishing or 3 hrs
    - Select 3: 3 hrs
      - CSE 3175 Internet Applications or 3 hrs
  - College Electives: 3 hrs
    - Options 1 and 2 3 hrs
    - Option 3 6 hrs

**Other Requirements**  
- Not open to Information Technology majors.
- A minimum grade of "C" (2.0) or better is required in each course used to satisfy the minor.
- At least 9 hours used in the minor must be earned within the Computer Science program at UCF.
- No credit by exam (TSD, Military credit) may be used.

### Intelligent Robotic Systems (IRS) - Interdisciplinary - Minor

**College of Engineering and Computer Science**  
**Engineering, Room: 107**  
**http://www.cecs.ucf.edu**  
Mr. Paul Edlen, paule@mail.ucf.edu, 407-823-2455

**Minor Admission Requirements**  
- None

**Other Requirements**  
- None

**Prerequisite Courses**  
- None

**Required Courses**  
- (9 hrs)
  - Select 1: 6 hrs
    - CAP 4453 Robot Vision or 3 hrs
    - CAP 4630 Artificial Intelligence or 3 hrs
    - EEL 3657 Linear Control Systems or 3 hrs
    - EML 3262 Kinematics of Mechanisms or 3 hrs
  - Select 2: 3 hrs
    - EML 4312C Feedback Control 3 hrs
  - Select 3: 9 hrs
    - EEL 5820 Image Processing or 3 hrs
    - EEL 5825 Pattern Recognition or 3 hrs
    - EML 5804C Digital Control in Mechatronics or 3 hrs
    - EML 5311 System Control 3 hrs

**Restricted Electives**  
- (9 hrs)

**Foreign Language Requirements**  
- None

**Total Semester Hours Required**  
- 18

**Other Requirements**  
- A minimum GPA of 2.0 is required in all the courses used to satisfy the minor.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- A high-level programming language class (like the following or it’s equivalent) is required for the minor.
  - COP 3223 Introduction to Programming with C 3 hrs
  - EGN 3060C Introduction to Robotics 3 hrs
- Students whose major requires senior design courses are encouraged to take the following courses and to undertake a project in intelligent robotic systems.
  - EGN 4412C Interdisciplinary Design I 3 hrs
  - EGN 4413C Interdisciplinary Design II 3 hrs
Interdisciplinary Informatics Technology - Minor
College of Engineering and Computer Science
School of Electrical Engineering and Computer Science,
Harris Corp. Engineering Center, Room: 246
http://www.eecs.ucf.edu/I2Tech/
Dr. Mark Llewellyn, markl@cs.ucf.edu

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (18 hrs)
- CGS 3175 Internet Applications 6 hrs
- Select 1: 3 hrs
  - CGS 1060C Introduction to Computer Science
  - CGS 2100C Computer Fundamentals for Business
  - COP 3502C Computer Science I

Healthcare Informatics Concentration
- HIM 3006 Foundations of Health Information Management (HIM) 9 hrs
- HSA 4191 Health Care Automation 3 hrs

Select 1: 3 hrs
- CGS 4144 Introduction to Informatics
- CIS 3003 Fundamentals of Information Technology

Technical Elective
- 3 hrs
  - Students should consult with the program coordinator for a list of the approved technical electives.

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum cumulative GPA of 2.5 is required in the minor/certification.
- Pre-requisites to the minor include basic computer skills.
- No credit by exam (TSD, Military credit) may be used.

International and Global Studies - Minor
College of Sciences
Department of Political Science, Howard Phillips Hall,
Room: 302
http://www.cos.ucf.edu/politicalscience
E-mail: politics@ucf.edu
Dr. Waltraud Morales
Phone: 407-823-2608

Students taking the International and Global Studies Minor will examine the interactions between nations and the political processes within nations using a variety of perspectives. International aspects focus on how countries interact with one another, and how the social and cultural systems within them affect these interactions. Global studies looks at intra-national factors, such as how a state’s internal characteristics impact that state’s political processes. Immigration, technological advancements and internationalization of foreign policy make global studies a complementary approach to international studies.

Minor Admission Requirements
- Double major/dual degree policy in Political Science programs and minors:
  - 1. Students who major in any Political Science track, and minor in International and Global Studies, shall not count more than one course toward both programs.
  - 2. Students who double minor in Political Science and International and Global Studies shall not count more than one course toward both programs.

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted in the minor.
- At least nine hours used in the minor must be earned at UCF within the department.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (6 hrs)
- GEO 3471 World Political Geography 3 hrs
- IDS 4315 Global Perspectives 3 hrs

Restricted Electives (15 hrs)
A. Restricted Political Science Electives: 6 hrs
- Select courses from this grouping: 6 hrs
  - INR 4011 Politics of Globalization or
  - INR 4030 Diplomacy or
  - INR 4035 International Political Economy or
  - INR 4054 Global Politics of Energy or
  - INR 4074 Immigration Policy or
  - INR 4075 Human Rights Policy or
  - INR 4076 Global Drug Policy or
  - INR 4350 Global Environmental Politics or
  - INR 4502 International Organizations or
  - INR 4503 International Relations Theory or
  - INR 4714 Politics of International Trade Policy

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

C. Restricted Electives: 3 hrs
- Substitutions require prior approval by the program advisor.

Select one course from this grouping: 3 hrs
- CPO 3103 Comparative Politics or
- CPO 4062 Comparative Judicial Process or
- CPO 4074 Political Economy or
- CPO 4445 Comparative Political Parties or
- CPO 4710 Women in Comparative Politics or
- CPO 4754 Comparative Political Institutions or
- CPO 4784 Political and Economic Inequality in Comparative Perspective or
- DSC 4012 Terrorism or
- EUH 3651 War and Society or
- MMC 4300 International Media or
- SYP 4454 Global Inequality and Society or
- THE 3312 Theatre History and Dramatic Literature II or
- Three one credit Foreign Language across the Curriculum (FLAC) courses

Foreign Language Requirements
- Proficiency equivalent to four semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.
International Business - Minor
College of Business Administration
Department of Finance, Business Administration I,
Room: 409
Richard Ajayi, 407-823-5908

Minor for Business Majors

Minor Admission Requirements
■ None

Other Requirements
■ No credit by exam (TSD, Military credit) may be used.
■ Internship, Co-op, or Independent Study credit cannot be used toward the minor.

The objective of this minor is to provide engineering, and computer science students with the opportunity to learn about and experience firsthand the global aspects of engineering, science and technology. This minor is designed for maximum flexibility in programming, given the many different countries, cultures, partner foreign institutions and individual student needs. Through this minor, CECS students gain academic and/or work experience at an approved foreign institution compatible with UCF CECS, while simultaneously becoming familiar with the social as well as professional and technical cultures of their host country. CECS students can spend one or two semesters abroad gaining valuable international experience in their chosen field. This is especially important in today’s global economy in which employers look for graduates with international experience in their major area.

Minor Admission Requirements
■ Admission by interview with the Program Director

Other Requirements
■ None

Prerequisite Courses
■ None

Required Courses
■ PIN 4604 International Financial Management 3 hrs
■ MAN 4600 International Management 3 hrs
■ MAR 4156 International Marketing 3 hrs

Select 1:
■ ECO 3703 International Microeconomics or 3 hrs
■ ECO 4713 International Macroeconomics 3 hrs

Restricted Electives
■ ECO 3703 International Microeconomics 3 hrs
■ ECO 4701 Seminar in Global Economic Policy 3 hrs
■ ECO 4713 International Macroeconomics 3 hrs
■ ECS 4013 Development Economics 3 hrs
■ GEO 3471 World Political Geography 3 hrs
■ INR 4035 International Political Economy 3 hrs
■ INR 4224 Contemporary International Politics of Asia 3 hrs
■ INR 4243 International Politics of Latin America 3 hrs
■ INR 4401 International Law I 3 hrs
■ MAR 4724 Strategic Foundations in Global E-Business 3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
■ Grades below “C” (2.0) or “S” 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 six hours of the above listed required or elective courses can count toward another major or minor degree program.

International Engineering - Minor
College of Engineering and Computer Science
Engineering, Room: 107
http://www.cecs.ucf.edu
Dr. Avelino Gonzalez, gonzalez@mail.ucf.edu, 407-823-5027

The objective of this minor is to provide engineering, and computer science students with the opportunity to learn about and experience firsthand the global aspects of engineering, science and technology. This minor is designed for maximum flexibility in programming, given the many different countries, cultures, partner foreign institutions and individual student needs. Through this minor, CECS students gain academic and/or work experience at an approved foreign institution compatible with UCF CECS, while simultaneously becoming familiar with the social as well as professional and technical cultures of their host country. CECS students can spend one or two semesters abroad gaining valuable international experience in their chosen field. This is especially important in today’s global economy in which employers look for graduates with international experience in their major area.

Minor Admission Requirements
■ Admission by interview with the Program Director

Other Requirements
■ None

Prerequisite Courses
■ Pre-requisites to the minor include completion of a minimum of 45 credit hours prior to the study abroad experience.

Required Courses
■ PIN 4604 International Financial Management 3 hrs
■ MAN 4600 International Management 3 hrs
■ MAR 4156 International Marketing 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.
■ 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.
Minors

### Italian - Minor

**College of Arts and Humanities**

**Department of Modern Languages and Literatures, Colbourn Hall, Room: 523**

[http://mll.cah.ucf.edu](http://mll.cah.ucf.edu)

**E-mail:** forlang@mail.ucf.edu

Dr. Paul Giordano, 407-823-2472

**Minor Admission Requirements**

- None

**Other Requirements**

- None

**Prerequisite Courses**

- None

**Required Courses**

- COM 3011C Communication and Human Relations 3 hrs
- COM 3120 Organizational Communication 3 hrs
- COM 3311 Communication Research Methods 3 hrs
- SPC 3301 Interpersonal 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 3406 Role of Motivation in Communication 3 hrs
- COM 4014 Gender Issues in Communication 3 hrs
- COM 4461 Intercultural Communication 3 hrs
- COM 4462 Conflict Management 3 hrs
- SPC 3513 Argumentation and Debate 3 hrs
- SPC 4331 Nonverbal Communication 3 hrs
- SPC 4426 Group Dynamics 3 hrs
- SPC 4540 Attitudes and Communication 3 hrs

Independent study or Special topics course if approved by the minor 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 School of Communication.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit can be used toward the minor with prior approval.

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### Interpersonal/Organizational Communication - Minor

**College of Sciences**

**Nicholson School of Communication, Communication, Room: 143**

[http://communication.cos.ucf.edu](http://communication.cos.ucf.edu)

Ms. Rebecca Morales, rmorales@mail.ucf.edu

Phone: 407-823-2681

Not open to Ad/PR, Interpersonal/Organizational Communication, Journalism, or Radio/TV majors.

**Minor Admission Requirements**

- None

**Other Requirements**

- None

**Prerequisite Courses**

- Students must satisfy course prerequisites before enrolling.

**Required Courses**

- (12 hrs)

- COM 3011C Communication and Human Relations 3 hrs
- COM 3120 Organizational Communication 3 hrs
- COM 3311 Communication Research Methods 3 hrs
- SPC 3301 Interpersonal 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 3406 Role of Motivation in Communication 3 hrs
- COM 4014 Gender Issues in Communication 3 hrs
- COM 4461 Intercultural Communication 3 hrs
- COM 4462 Conflict Management 3 hrs
- SPC 3513 Argumentation and Debate 3 hrs
- SPC 4331 Nonverbal Communication 3 hrs
- SPC 4426 Group Dynamics 3 hrs
- SPC 4540 Attitudes and Communication 3 hrs

Independent study or Special topics course if approved by the minor coordinator prior to enrolling in the class

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 18

**Other Requirements**

- A minimum cumulative GPA of 2.5 is required in the minor/certification.
- Pre-requisites to the minor include completion of a minimum of 45 credit hours prior to the study abroad experience.

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### Restricted Electives

- None

### Total Semester Hours Required

- 18

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### Other Requirements

- Approval of a departmental advisor is required prior to registration.

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### Foreign Language Requirements

- None
Judaic Studies - Minor
College of Arts and Humanities
Program in Judaic Studies,
Colbourn Hall, Room: 415 E-J
http://www.judaicstudies.cah.ucf.edu/
E-mail: judaicst@mail.ucf.edu
Dr. Moshe Pelli, 407-823-5039

The Interdisciplinary Program in Judaic Studies offers both a minor and a certificate. The Program cooperates with the departments of Anthropology, English, Modern Languages, History, Philosophy, Political Science, and Sociology, and with the Interdisciplinary Studies and Women’s Studies programs. Students who desire to minor in Judaic Studies should take the required Hebrew courses (8 hours) (or proficiency) and 18 hours in the Judaic Studies courses listed below. Interested students are encouraged to meet with the program director. For certificate requirements, refer to the section on Judaic Studies Certificate.

Minor Admission Requirements
■ None

Other Requirements
■ None

Prerequisite Courses
■ None

Required Courses (8 hrs)
HBR 1120 Elementary Modern Hebrew Language and Culture I 4 hrs
HBR 1121 Elementary Modern Hebrew Language and Culture II 4 hrs

Required Courses (or proficiency) in Hebrew (8 hrs)
HBR 2200 Intermediate Modern Hebrew I 3 hrs
HBR 2201 Intermediate Modern Hebrew II 3 hrs
HBR 3250 Biblical Hebrew 3 hrs
HBR 3410 Conversational Israeli Hebrew 3 hrs

Restricted Electives (18 hrs)

Jewish History
JST 3401 The Jewish People I 3 hrs
JST 3402 The Jewish People II 3 hrs
JST 3415 American Jewish History 3 hrs
JST 3481 20th Century Jewish History and Thought 3 hrs
JST 3550 Introduction to Modernism into Judaism 3 hrs
JST 3701 History of the Holocaust 3 hrs

Bible
JST 3120 Hebrew Scriptures 3 hrs
JST 3125 The Book of Job 3 hrs
JST 3126 Romantic Love in the Bible 3 hrs
JST 3144 Dead Sea Scrolls 3 hrs
JST 3190 The Biblical Prophets 3 hrs

Literature
JST 3100 The Hebrew Creative Mind 3 hrs
JST 3312 Identity and Genre 3 hrs
JST 3751 Literature of the Holocaust 3 hrs

Culture
JST 3450 Modern Jewish Experience 3 hrs
JST 3810 The Jewish National Movement and Roots of Zionism 3 hrs
JST 3820 Modern Hebrew Culture 3 hrs

Latin American Area Studies - Minor
College of Arts and Humanities
Colbourn Hall, Room: 406E & 406F
Dr. Jose Maunez-Cuadra, jmaunez@mail.ucf.edu, 407-823-1173
Phone: 407-823-1174

The minor provides students with an interdisciplinary knowledge of, and the necessary tools to understand, Latin America, its people and its culture. Students completing the minor shall be prepared to apply their knowledge about Latin America in a variety of careers including, but not limited to: education, government, journalism, foreign service, social and community service, international trade and public relations.

Minor Admission Requirements
■ Admission by interview with the Program Director.

Other Requirements
■ Successful completion of the following courses, or demonstration of proficiency.
SPN 1120C Elementary Spanish Language and Civilization I 4 hrs
SPN 1121C Elementary Spanish Language and Civilization II 4 hrs

Prerequisite Courses
■ None

Required Courses
■ None

Restricted Electives (18 hrs)
■ At least 6 hours must be from one disciplinary group, and at least 3 hours from two additional groups. The remaining hours may be selected from any of the disciplinary groups. Additional courses not listed below may substitute with prior approval from the Program Director.

Anthropology
ANT 3154 Ancient Incas 3 hrs
ANT 3158 Maya Archaeology 3 hrs
ANT 4308 Gender Issues in Latin America 3 hrs
ANT 4332 People and Cultures of Latin America 3 hrs
ANT 4340 Caribbean Cultures 3 hrs
The Leadership Studies (LS) minor is an interdisciplinary academic program that focuses on developing several dimensions of leadership understanding and skills for undergraduate students. The minor builds upon foundational courses with specific aspects of leadership involving communication, collaboration, social relations, politics, and ethics.

Minor Admission Requirements
■ None

Other Requirements
■ None

Prerequisite Courses
■ None

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>(19 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Foundation Requirement</strong></td>
<td>4 hrs</td>
</tr>
<tr>
<td>LDR 2001</td>
<td>Foundations of Leadership</td>
</tr>
<tr>
<td>LDR 2002</td>
<td>Intermediate Foundations of Leadership</td>
</tr>
</tbody>
</table>

**Restricted Requirements**

Choose one course from each of the five areas:

**Communication**
■ COM 3011C | Communication and Human Relations or Organizational Communication or Intercultural Communication or Conflict Management or Professional Writing or Leadership Through Oral Communication |

**Collaboration**
■ INP 3004 | Industrial/Organizational Psychology or Organizational Psychology or Management of Organizations or Organizations: Theory and Behavior or Group Dynamics |

**Social Relations and Culture**
■ ANT 3541 | Biobehavioral Anthropology or Abnormal Psychology or Intercultural Communication or Motivation or Social Psychology or Cross Cultural Psychology or Psychology of Women or Psychology of Diversity |

**Politics**
■ PAD 3003 | Public Administration in American Society or Administrative Theory or Non-Profit Organizations or Interdisciplinary Leadership in Public Affairs or The American Presidency or Political Psychology or Women and Political Behavior or Political Sociology |

**Ethics**
■ BUL 3310 | Legal and Ethical Environment of Business or Professional Ethics in Education or Ethics and Values in Public Administration or Critical Thinking or Ethical Issues in the 21st Century or Environmental Ethics |

**Foreign Language Requirements**
■ None

**Restrictive Electives**
■ None

**Foreign Language Requirements**
■ None
Minors

Total Semester Hours Required
- 19

Other Requirements
- Earn a grade of "C" (2.0) or better in each course used to satisfy the minor.
- At least 15 credit hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- Students cannot complete both the Leadership Studies minor and the Leadership Studies certificate.

Legal Studies - Minor
College of Health and Public Affairs
Department of Criminal Justice and Legal Studies,
Health and Public Affairs I, Room: 311
E-mail: cjadvise@mail.ucf.edu
David Slaughter, 407-823-2603

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses
PLA 3014 Law and the Legal System (3 hrs)

Restricted Electives
- 15 Semester hours of legal studies courses selected with the aid of an advisor
- 3 semester hours of law-related courses selected with the aid of an advisor

Foreign Language Requirements
- None

Total Semester Hours Required
- 21

Marketing - Minor
College of Business Administration
Department of Marketing, Business Administration II,
Room: 307S

Open to Business and Non-Business Students

Minor Admission Requirements
- Not available to Marketing Majors

Other Requirements
- None

Prerequisite Courses
- None

Required Courses
MAR 3023 Marketing (4 hrs)

Restricted Electives
- Select four or five:
  - MAR 3323 Integrated Marketing Communication (3 hrs)
  - MAR 3391 Professional Selling (3 hrs)
  - MAR 3403 Sales Force Management (3 hrs)
  - MAR 3503 Customer Behavior (3 hrs)
  - MAR 3613 Marketing Analysis and Research (3 hrs)
  - MAR 3641 Marketing Intelligence (3 hrs)
  - MAR 3721 E-Marketing (3 hrs)
  - MAR 4156 International Marketing (3 hrs)
  - MAR 4231 Retailing Management (3 hrs)
  - MAR 4711 Sport Marketing (3 hrs)
  - MAR 4712 Healthcare Marketing (3 hrs)
  - MAR 4715 Entertainment Marketing (3 hrs)
  - MAR 4724 Strategic Foundations in Global E-Business (3 hrs)
  - MAR 4803 Marketing Management (3 hrs)
  - MAR 4804 Marketing Strategy (3 hrs)
  - MAR 4841 Services Marketing (3 hrs)
  - MAR 4934 Contemporary Marketing Topics in Florida (3 hrs)
Mass Communication - Minor

College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu
Ms. Rebecca Morales, rmorales@mail.ucf.edu
Phone: 407-823-2861

Minor Admission Requirements
- Not open to Ad/PR, Journalism, or Radio/TV majors.

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted in the minor.
- At least 12 hours used in the minor must be earned at UCF within the School of Communication.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses
- None

Restricted Electives (18 hrs)
Select at least 6 courses from the following:

<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>ANT 3610 Language and Culture</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COM 3011C Communication and Human Relations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COM 3110 Business and Professional Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COM 3120 Organizational Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COM 3311 Communication Research Methods</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 3211 Theory and Practice of Technical Writing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EXP 3404 Basic Learning Processes</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSA 3111 U.S. Health Care Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAN 4720 Strategic Management</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PHI 3803 Philosophy and Creativity</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PPE 3003 Personality Theory</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSY 3213C Research Methods in Psychology</td>
<td>5 hrs</td>
</tr>
<tr>
<td>RTV 3007 Development and Structure of Electronic Media and New Technology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SOP 304 Social Psychology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPC 3301 Interpersonal Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPC 4331 Nonverbal Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPC 4426 Group Dynamics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 4102 Computer Processing of Statistical Data</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYA 4300C Research Methods</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental permission.

Mathematics - Minor
College of Sciences
Department of Mathematics, Math and Physics, Room: 207
http://math.ucf.edu
E-mail: martin@math.ucf.edu
Dr. Heath Martin, MAP 215A
Phone: 407-823-5700

Minor Admission Requirements
- The minor is not open to Mathematics or Math Education majors.

Other Requirements
- A grade of "C" (2.0) or better is required in all courses used to satisfy the minor.
- At least 6 hours used in the minor must be earned at UCF within the department of Mathematics.
- A maximum of six hours of the listed required or elective courses can count toward another major or minor degree program.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (15 hrs)
<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 2311 Calculus with Analytic Geometry I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAC 2312 Calculus with Analytic Geometry II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAC 2313 Calculus with Analytic Geometry III</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAP 2302 Differential Equations</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1 This course may be waived by the Department Standards Committee for a student with adequate high school preparation in calculus.
2 This course may be waived by the Department Standards Committee for a student with adequate high school preparation in calculus.
3 Requires prerequisites in addition to MAC 3205.

1 or MAR 4724, not both
2 or MAR 4156, not both
3 Requires prerequisites in addition to MAR 3023
### Minors

#### Mathematics Education - Minor

**College of Education**

**Department of Teaching and Learning Principles,**

**Education Building, Room: 209**

[http://education.ucf.edu/mathed/](http://education.ucf.edu/mathed/)

Dr. Janet Andreason, ED 123Q, jandreas@mail.ucf.edu

Dr. Erhan Haciomeroglu, ED 115L, erhansh@mail.ucf.edu,

407-823-4336

Phone: 407-823-5430

The Mathematics Education minor is intended for non-Mathematics Education majors. It is well suited for students majoring in another secondary content area or as an area for students enrolled in Interdisciplinary Studies. This minor is available for students in the 2008 catalog year and beyond.

**Minor Admission Requirements**

- Have a minimum 2.5 overall GPA
- Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from an approved Florida community college or state university

**Other Requirements**

- None

**Prerequisite Courses**

- None

#### Required Courses (19 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDP 4467</td>
<td>Learning Theory and Assessment</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDG 4410</td>
<td>Teaching Strategies and Classroom Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAE 4360</td>
<td>Mathematics Instructional Analysis</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAE 4634</td>
<td>Programs in Teaching of Mathematics</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>TSL 4080</td>
<td>Theory and Practice of Teaching ESOL Students in Schools</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Restricted Electives**

- None

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 21

**Other Requirements**

- Students should see an advisor prior to registering for classes
- Students must complete 18 hrs of courses in mathematics as co-requisites
- At least 12 hours in the minor must be earned at UCF

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#### Medical Anthropology - Minor

**College of Sciences**

**Department of Anthropology, Howard Phillips Hall,**

**Room: 309**


E-mail: anthro@mail.ucf.edu

Dr. Arlen Chase, (407) 823-2227

The Medical Anthropology minor develops students’ understanding of health from the perspective of human cultural and biological diversity, preparing them for careers in global health.

**Minor Admission Requirements**

- The minor is not open to Anthropology majors.

**Other Requirements**

- Students must earn a grade of “C” (2.0) or better in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department of Anthropology.

**Prerequisite Courses**

- Students must satisfy each course’s prerequisites before enrolling in the class.

#### Required Courses (12 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2410</td>
<td>Cultural Anthropology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 2511</td>
<td>The Human Species</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4408</td>
<td>Culture, Disease, and Healing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4462</td>
<td>Medical Anthropology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Restricted Electives

- **Restricted Electives, Group A:** 3 hrs
  - Select one course from the list below:
    - ANT 3241 Magic, Ritual, and Belief            | 3 hrs |
    - ANT 3302 Sex, Gender and Culture            | 3 hrs |
    - ANT 4457 Nutritional Anthropology           | 3 hrs |
    - ANT 4516 Human Biological Diversity         | 3 hrs |
    - ANT 4560 Anthropological Perspectives on Human Growth | 3 hrs |

- **Restricted Electives, Group B:** 6 hrs
  - Select two courses from the list below:
    - ANT 3148 Life and Death in Ancient Egypt     | 3 hrs |
    - ANT 2541 Biobehavioral Anthropology         | 3 hrs |
    - ANT 3701 Applied Anthropology               | 3 hrs |
Minors

ANT 4013  Anthropological Perspectives on Fast Food  3 hrs
ANT 4184  Mortuary Archaeology  3 hrs
ANT 4521C  Forensic Anthropology  3 hrs
ANT 4525C  Human Osteology  4 hrs
ANT 4802  Ethnographic Field Methods  3 hrs
May substitute a health-related course from another department with permission from Anthropology.

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 21

Other Requirements
■ No Credit by exam (TSD, Military Credit) may be used to satisfy the minor.
■ Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Medieval and Renaissance Studies - Minor
College of Arts and Humanities
Department of English, Colbourn Hall, Room: 417G
http://www.english.cah.ucf.edu/
Tison Pugh, 407-823-6041

An interdisciplinary minor that offers students a background of the history, literature, languages, art, music, and philosophy of the Middle Ages and Renaissance.

Minor Admission Requirements
■ None

Other Requirements
■ None

Prerequisite Courses
■ Students are responsible for meeting any prerequisites for the courses in the minor.

Required Courses (6 hrs)
■ Select two courses from the following:
   1 ENL 4311  Chaucer  3 hrs
   1 ENL 4333  Shakespeare Studies  3 hrs
   1 ENL 4341  Milton and His Age  3 hrs
   EUH 3122  Medieval Society and Civilization  3 hrs
   HUM 3435  Medieval Humanities  3 hrs

1 Only one of these three courses will count towards required courses

Restricted Electives (12 hrs)
■ Select no more than two from each disciplinary group:

Department of Art
ARH 4200  Medieval Art  3 hrs
ARH 4310  Italian Renaissance Art  3 hrs

Department of English
ENL 4220  English Renaissance Poetry and Prose  3 hrs
ENL 4311  Chaucer  3 hrs
ENL 4333  Shakespeare Studies  3 hrs
ENL 4341  Milton and His Age  3 hrs

Department of History
AMH 4110  Colonial America, 1607-1763  3 hrs
AMH 4112  The Atlantic World  3 hrs
EUH 3122  Medieval Society and Civilization  3 hrs
EUH 3124  The Crusades  3 hrs
EUH 3142  Renaissance and Reformation  3 hrs
EUH 3531  Medieval Ireland  3 hrs
EUH 3536  Early Modern Ireland  3 hrs
EUH 4500  English History to 1485  3 hrs
EUH 4501  English History: 1485-1815  3 hrs
EUH 4610  Women in European Society: From Medieval to Modern  3 hrs

Department of Modern Languages
FRW 3100  Survey of French Literature I  3 hrs
ITT 3443  Dante’s Inferno  3 hrs
ITW 3100  Survey of Italian Literature I  3 hrs
LAT 1120C  Elementary Latin Language and Civilization I  4 hrs
LAT 1121  Elementary Latin Language and Civilization II  4 hrs
SPW 3100  Survey of Spanish Literature I  3 hrs
SPW 3370  Spanish Short Story  3 hrs
SPW 4310  Golden Age Drama  3 hrs
SPW 4322  Contemporary Iberian Theatre  3 hrs
SPW 4604  Cervantes  3 hrs

Department of Music
MUH 4322  Medieval and Renaissance Music  3 hrs

Department of Philosophy
HUM 3435  Medieval Humanities  3 hrs
PHH 3200  Medieval Philosophy  3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ Earn a grade of “C” (2.0) or better in all courses used to satisfy the minor.
■ At least 15 hours used in the minor must be earned at UCF within the College of Arts and Humanities.
■ Course substitutions may be accepted upon approval of the advisor.

Middle Eastern Studies - Minor
College of Arts and Humanities
Program in Middle Eastern Studies, Colbourn Hall, Room: 411J
Dr. Husain Kassim, 407-823-2803

The Middle Eastern Studies minor is designed to complement a student’s major area of study. The minor requires a core of Middle Eastern Studies courses as well as a selection of directed electives.

Minor Admission Requirements
■ None

Other Requirements
■ None

Prerequisite Courses
■ None

Required Courses (9 hrs)
ASH 3223  The Modern Middle East  3 hrs
CPO 3403  Politics of the Middle East  3 hrs
HUM 3419  Islamic Thought and Culture  3 hrs

Restricted Electives (12 hrs)
■ Additional courses may be used only with prior permission of the program director.
■ Although not required, students are strongly encouraged to complete at least one year of Arabic (ARA 1120C, 1121) and/or Hebrew (HBR 1120,1121)
ARA 2200  Intermediate Arabic Language and Civilization I  3 hrs
ARA 2201  Intermediate Arabic Language and Civilization II  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
HUM 3553  Moses, Jesus and Muhammad  3 hrs
JST 3401  The Jewish People I  3 hrs
JST 3402  The Jewish People II  3 hrs
JST 3820  Modern Hebrew Culture  3 hrs
PHH 3200  Medieval Philosophy  3 hrs
REL 2300  World Religions  3 hrs
Minors

Foreign Language Requirements

- None

Total Semester Hours Required

- 21

Other Requirements

- Students who are also minoring or completing a certificate in Judaic Studies may not have more than 3 credits that are counted in both programs.
- At least 15 hours used to satisfy this minor must be at the upper division level.
- A grade of “C” or above (2.0) is required in each course for the minor.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Military Science - Minor

College of Engineering and Computer Science

Army ROTC, Army ROTC, Room: 501

LTC Sean Morgan

Phone: 407-823-1872

Minor Admission Requirements

- None

Other Requirements

- None

Prerequisite Courses

- None

Required Courses (16 hrs)

Required Courses

- MSL 3201C  Leadership and Problem Solving  4 hrs
- MSL 3202C  Leadership and Ethics  4 hrs
- MSL 4301C  Leadership and Management  4 hrs
- MSL 4302C  Officership  4 hrs

Restricted Electives (3 hrs)

Select one of the following

- AMH 3541  U.S. Military History To 1900  3 hrs
- AMH 3547  U.S. Military History Since 1900  3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 19

Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades less than “C-“ (1.75) are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department.
- Internship credit can be used toward the minor.

Molecular Biology and Microbiology - Minor

College of Medicine

Burnett School of Biomedical Sciences

Department of Molecular and Microbiology,

Health and Public Affairs II, Room: 335

http://www.biomed.ucf.edu

E-mail: bcbsinfo@mail.ucf.edu

Dr. P.E. Kolattukudy, Chair

Phone: 407-823-5932

Minor Admission Requirements

- None

Other Requirements

- None

Prerequisite Courses

- None

Required Courses (23 hrs)

- BSC 2010C  Biology I  4 hrs
- BSC 3403C  Quantitative Biological Methods  4 hrs
- MCB 3020C  General Microbiology  5 hrs
- PCB 3233L  Immunology Laboratory  1 hr
- PCB 3522  Molecular Biology I  3 hrs
- PCB 4524  Molecular Biology II  3 hrs

Select 1: 3 hrs

- PCB 3233  Immunology or  3 hrs
- 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

- 30

Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades less than “C-“ (1.75) are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

Music - Minor

College of Arts and Humanities

Department of Music, Colbourn Hall, Room: 205A

http://www.music.cah.ucf.edu/

Kirk Gay, kgay@mail.ucf.edu, 407-823-5968

Minor Admission Requirements

- None

Other Requirements

- None

Prerequisite Courses

- None

Required Courses (11 hrs)

- MUT 1121  Music Theory and Musicianship I  4 hrs
- MUT 1122  Music Theory and Musicianship II  4 hrs

Select 1: 3 hrs

- MUH 2017  Survey of Rock Music or  3 hrs
- MUH 2019  American Popular Music, 1840s-present or  3 hrs
The requirements for each are as follows:

- either the Generalist Emphasis or the Public Affairs Emphasis.

## Generalist Emphasis
- Choose at least one course from each of the following three groups:

### Select 1:
- **Group I: Nonprofit Accounting & Financial Management and Planning & Evaluation**
  - 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 4153 Planning and Improvement for Pub Org or 3 hrs
  - PAD 4204 Fiscal Management or 3 hrs
  - PAD 4325 Program Evaluation for Public and Non-Profit Organizations or 3 hrs

- **Group II: Human Development and Human Resource Development and Volunteerism**
  - 1 ACG 2021 Principles of Financial Accounting or 3 hrs
  - 1 GEB 3031 Cornerstone: Professional Skills for Business or 3 hrs
  - 1 MAR 3023 Marketing or 4 hrs
  - 1 MAR 3641 Marketing Intelligence or 3 hrs
  - 1 MAR 4803 Marketing Management or 3 hrs
  - 1 PAD 4147 Resource Development in the Nonprofit Sector or 3 hrs
  - 1 SOW 3352 Practice II: Interpersonal Skills in Social Work: or 3 hrs
  - 1 SOW 3401 Human Relations in Management or 3 hrs
  - 1 SOW 3420 Human Resources Recruitment and Selection or 3 hrs
  - 1 SPC 3301 Interpersonal Communication or 3 hrs

- **Group III: Communication & Marketing and Fund Raising Principles & Practices**
  - 1 COM 3110 Business and Professional Communication or 3 hrs
  - 1 DEP 3464 Directed Field Experience or 3 hrs
  - 1 GEB 3031 Cornerstone: Professional Skills for Business or 3 hrs
  - 1 MAR 3023 Marketing or 4 hrs
  - 1 MAR 3641 Marketing Intelligence or 3 hrs
  - 1 MAR 4803 Marketing Management or 3 hrs
  - 1 PAD 4147 Resource Development in the Nonprofit Sector or 3 hrs
  - 1 SOW 3352 Practice II: Interpersonal Skills in Social Work: or 3 hrs
  - 1 SOW 3401 Human Relations in Management or 3 hrs
  - 1 SPC 3301 Interpersonal Communication or 3 hrs

### Select 2:
- Choose at least 3 courses from the following:
  - PAD 4131 Public Sector Project Management or 3 hrs
  - PAD 4147 Resource Development in the Nonprofit Sector or 3 hrs
  - PAD 4148 Volunteer Management or 3 hrs
  - PAD 4153 Planning and Improvement for Pub Org or 3 hrs
  - PAD 4204 Fiscal Management or 3 hrs
  - PAD 4325 Program Evaluation for Public and Non-Profit Organizations or 3 hrs

### Select 3:
- Choose at least 3 courses from the following:
  - PAD 4131 Public Sector Project Management or 3 hrs
  - PAD 4147 Resource Development in the Nonprofit Sector or 3 hrs
  - PAD 4148 Volunteer Management or 3 hrs
  - PAD 4153 Planning and Improvement for Pub Org or 3 hrs
  - PAD 4204 Fiscal Management or 3 hrs
  - PAD 4325 Program Evaluation for Public and Non-Profit Organizations or 3 hrs

- **Group IV: Leadership, Management & Organizational Development**
  - 1 PAD 4223 Public Budgeting: Skills and Techniques or 3 hrs
  - 1 PAD 4233 Community & Economic Development or 3 hrs
  - 1 PAD 4325 Program Evaluation for Public and Non-Profit Organizations or 3 hrs

- **Group V: Economics, Management & Financial Planning**
  - 1 PAD 4223 Public Budgeting: Skills and Techniques or 3 hrs
  - 1 PAD 4233 Community & Economic Development or 3 hrs
  - 1 PAD 4325 Program Evaluation for Public and Non-Profit Organizations or 3 hrs

## Public Affairs Emphasis
- Choose at least 3 courses from the following:
  - PAD 4131 Public Sector Project Management or 3 hrs
  - PAD 4147 Resource Development in the Nonprofit Sector or 3 hrs
  - PAD 4148 Volunteer Management or 3 hrs
  - PAD 4153 Planning and Improvement for Pub Org or 3 hrs
  - PAD 4204 Fiscal Management or 3 hrs
  - PAD 4325 Program Evaluation for Public and Non-Profit Organizations or 3 hrs

- **Group IV: Leadership, Management & Organizational Development**
  - 1 PAD 4223 Public Budgeting: Skills and Techniques or 3 hrs
  - 1 PAD 4233 Community & Economic Development or 3 hrs
  - 1 PAD 4325 Program Evaluation for Public and Non-Profit Organizations or 3 hrs

- **Group V: Economics, Management & Financial Planning**
  - 1 PAD 4223 Public Budgeting: Skills and Techniques or 3 hrs
  - 1 PAD 4233 Community & Economic Development or 3 hrs
  - 1 PAD 4325 Program Evaluation for Public and Non-Profit Organizations or 3 hrs

### Required Courses (9 hrs)
- PAD 3930 American Humanities Human Service Workshop 1 hr
- PAD 4144 Non-Profit Organizations 3 hrs
- PAD 4048 American Humanities Internship 3 hrs

### Restricted Electives (9 hrs)
- Student can earn the remaining 9 credit hours by pursuing either the Generalist Emphasis or the Public Affairs Emphasis. The requirements for each are as follows:

### 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.

## Non-Profit Management/American Humanics National Certification Program - Minor

College of Health and Public Affairs
Department of Public Administration,
Health and Public Affairs II, Room: 238
E-mail: ahminor@mail.ucf.edu
Stephanie Krick, skrick@mail.ucf.edu, 407-823-0661

The Nonprofit Management/American Humanics National Certification Program 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 in American Humanics.

### Minor Admission Requirements
- None

### Other Requirements
- Students must earn a “C” (2.0) or better in each course in the minor.

### Prerequisite Courses
- None

### Required Courses (9 hrs)
- PAD 3930 American Humanities Human Service Workshop 1 hr
- PAD 4144 Non-Profit Organizations 3 hrs
- PAD 4048 American Humanities Internship 3 hrs

1 One credit hour repeated three semesters
2 Internships within other programs may be accepted with prior approval of American Humanics 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:
Minors

North American Indian Studies - Minor
College of Sciences
Department of Anthropology, Howard Phillips Hall, Room: 309
http://www.cos.ucf.edu/anthropology
E-mail: anthropology@ucf.edu
Dr. Rosalyn Howard
Phone: 407-823-2227

The North American Indian Studies minor will enhance a student's understanding and appreciation of the history and culture of the North American Indians. The minor is especially appropriate for all UCF undergraduates.

Minor Admission Requirements
- Interview with the North American Indian Studies Director.
- The minor is not open to Anthropology majors.

Other Requirements
- Consultation with the Director to develop a program of study and plan course selections.
- Final approval of the minor is contingent upon completion of a thesis paper under the guidance of a faculty research director.
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF.

Prerequisite Courses
- Students must satisfy a course's prerequisites before enrolling in the class.

Required Courses
- ANT 4910 Research (3 hrs)

Restricted Electives
- Courses used in the minor must be taken in at least two departments. Select from the following list.
  - AMH 3411 History of the Frontier: Eastern America (3 hrs)
  - AMH 4110 Colonial America, 1607-1763 (3 hrs)
  - AMH 4112 The Atlantic World (3 hrs)
  - AML 3640 Native American Literature (3 hrs)
  - ANT 3152 Indians of the Southwest (3 hrs)
  - ANT 3158 Florida Archaeology (3 hrs)
  - ANT 3245 Native American Religions (3 hrs)
  - ANT 3311 Indians of the Southeastern United States (3 hrs)
  - ANT 3312 Ethnology of North American Indians (3 hrs)
  - ANT 3313 Indians of North America High Plains (3 hrs)
  - ANT 3314 Indians of the Northeast Woodlands (3 hrs)
  - ANT 3318 Indians of the Northwest Coast (3 hrs)
  - ANT 3398 Black/Seminoles Relations (3 hrs)
  - ANT 4144 Prehistory of North America (3 hrs)
  - ANT 4153 North American Archaeology (3 hrs)
  - ANT 4906 Directed Independent Study (1 hr)
  - PHH 3701 Native American Philosophy (3 hrs)
  - SYD 3751 North American Indian Women Today (3 hrs)
  - SYD 3752 Modern Law in Indian Country (3 hrs)

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used to satisfy the minor.

Philosophy - Minor
College of Arts and Humanities
Department of Philosophy,
Psychology Building, Room: 220
http://www.philosophy.cah.ucf.edu/
E-mail: philosophy@mail.ucf.edu
Jennifer Mundale, 407-823-2273

The Philosophy minor is intended to provide a limited, yet substantive, introduction to philosophical themes related to knowledge, responsibility, and society. Students, in consultation with a departmental advisor, will select courses in accordance with the distributions listed below.

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (15 hrs)
- Select one course from each of the following groups:
  - Reasoning
    - PHI 2011 Philosophical Reasoning or 3 hrs
    - PHI 2101 Formal Logic I or 3 hrs
    - PHI 2108 Critical Thinking or 3 hrs
    - PHI 2647 Logic and Ethics or 3 hrs
    - PHI 3131 Formal Logic II or 3 hrs
  - History of Philosophy
    - PHI 3100 Ancient Philosophy or 3 hrs
    - PHI 3200 Medieval Philosophy or 3 hrs
    - PHI 3460 Modern Western Philosophy or 3 hrs
    - PHI 3600 Contemporary Philosophy or 3 hrs
  - Values and Society
    - PHI 3701 Native American Philosophy or 3 hrs
    - PHI 3625 Virtual Ethics or 3 hrs
    - PHI 3626 Advanced Ethics in Science and Technology or
    - PHI 3638 Ethical Issues in the 21st Century or 3 hrs
    - PHI 3640 Environmental Ethics or 3 hrs
    - PHI 3670 Ethical Theory or 3 hrs
    - PHI 3800 Aesthetics or 3 hrs
    - PHI 3805 Contemporary Aesthetics or 3 hrs
    - PHI 4633 Ethics and Biological Science or 3 hrs
    - PHM 3100 Freedom and Justice or 3 hrs
    - PHM 3123 Feminist Theories or 3 hrs
    - PHM 3401 Philosophy of Law or 3 hrs
    - PHM 4031 Environmental Philosophy or 3 hrs
  - Being and Knowing
    - PHI 3320 Philosophy of Mind or 3 hrs
    - PHI 3323 Minds and Machines: Philosophy of Cognitive Science or
    - PHI 3451 Philosophy of Psychology or 3 hrs
    - PHI 3700 Philosophy of Religion or 3 hrs
    - PHI 4221 Philosophy of Language or 3 hrs
    - PHI 4300 Theories of Knowledge or 3 hrs
    - PHI 4341 Ways of Knowing or 3 hrs
    - PHI 4400 Philosophy of Science or 3 hrs
    - PHI 4420 Philosophy of Social Science or 3 hrs
    - PHI 4500 Metaphysics or 3 hrs
    - PHP 4782 Phenomenology or 3 hrs
Philosophy, Religion and Popular Culture - Minor
College of Arts and Humanities
Department of Philosophy,
Psychology Building, Room: 220
http://www.philosophy.cah.ucf.edu/
E-mail: philosophy@mail.ucf.edu
Doug Evans (Orlando Campus), 407-823-2273
Shelley Park, (Cocoa Campus), 321-433-7919

The Philosophy, Religion, and Popular Culture minor examines popular culture through the critical lenses of philosophy and religious studies. Students interested in the Interdisciplinary Studies major may find this minor particularly helpful. In consultation with a departmental advisor, students will select courses in accordance with the distributions listed below.

**Minor Admission Requirements**
- None

**Other Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses**
- None

**Theoretical Foundations (6 hrs)**
- Take all of the following:
  - PHI 3684 Ways of Living and Knowing (3 hrs)
  - PHI 4341 Ways of Knowing (3 hrs)

**Philosophy (3 hrs)**
- Select 1:
  - PHI 2101 Formal Logic I or
  - PHI 3670 Ethical Theory or
  - PHI 3700 Philosophy of Religion or
  - PHI 3720 Faith and Reason or
  - PHI 3800 Aesthetics or
  - PHI 4300 Theories of Knowledge or
  - PHI 4804 Critical Theory or
  - PHI 3100 Freedom and Justice or
  - PHI 3750 The Problem of Evil (3 hrs)

**Religion (3 hrs)**
- Select 1:
  - CLT 3378 Comparative Mythology or
  - HUM 3417 Hindu Thought and Culture or
  - HUM 3419 Islamic Thought and Culture or
  - HUM 3552 Christian Thought or
  - HUM 3553 Moses, Jesus and Muhammad or
  - HUM 4303 The Spiritual Ideal or
  - HUM 4554 Religious Quest and Human Dilemma or
  - PHI 3750 The Problem of Evil (3 hrs)

**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 (3 hrs)**
- Select 1:
  - 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 (3 hrs)

**Contemporary Forms of Life (3 hrs)**
- Select 1:
  - ANT 3302 Sex, Gender and Culture or
  - HUM 3252 Contemporary Humanities or
  - PHI 3022 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
  - PHP 3123 Feminist Theories or
  - PHP 3401 Philosophy of Law or
  - REL 3131 Religion in America (3 hrs)

**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
Minors

Other Requirements
- A “C” (2.0) grade or better is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

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.

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 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)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 2048C Physics for Engineers &amp; Scientists I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PHY 2049C Physics for Engineers and Scientists II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PHY 3101 Physics for Engineers and Scientists III</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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

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, shall not count more than one course toward both programs, except for the following courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>POS 2041 American National Government</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without prior departmental permission.

Political Science/Prelaw - Minor
College of Sciences
Department of Political Science, Howard Phillips Hall, Room: 302
http://www.cos.ucf.edu/politicalscience
E-mail: politics@ucf.edu
Dr. Roger Handberg
Phone: 407-823-2608

Minor Admission Requirements
- 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:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>POS 2041 American National Government</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 12 hours used in the minor must be earned at UCF within the department of Political Science.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (6 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>POS 2041 American National Government</td>
<td>3 hrs</td>
</tr>
<tr>
<td>POS 4284 Judicial Process and Politics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
Minors

Restricted Electives (12 hrs)

Select 1: 3 hrs
INR 4401 International Law I or
INR 4402 International Law II or
POS 4603 American Constitutional Law or
POS 4604 American Constitutional Law II

Restricted Upper Division Electives 9 hrs

- Three upper division Political Science courses (courses with prefixes CPO, INR, POS, POT, PUP and one GEO - World Political Geography are Political Science courses; see the Political Science Major description for a list of courses that may be offered by the department).
- Only three hours of the following course may be counted:
  POS 4941L Political Science Internship 3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

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.

Psychology - Minor
College of Sciences

Department of Psychology,
Psychology Building, Room: 301
http://www.psych.ucf.edu/
E-mail: psychadvising@mail.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.

Other 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: 3 hrs

- STA 2014C Principles of Statistics or
- STA 2023 Statistical Methods I 3 hrs

Restricted Electives (15 hrs)

A. Experimental

Select 1: 3 hrs
EXP 3204C Perception or
EXP 3404 Basic Learning Processes or
EXP 3604 Cognitive Psychology or
PSB 4204C Neuropsychology or
PSY 3703 Psychology of Language 3 hrs

B. Personality/Social

Select 1: 3 hrs
PPE 3003 Personality Theory or
SOP 3004 Social Psychology

C. Developmental

Select 1: 3 hrs
DEP 2004 Developmental Psychology or
DEP 3202 Psychology of Exceptional Children or
DEP 3464 Psychology of Aging

D. Diversity

Select one additional Psychology elective 3 hrs

- The following courses will not fulfill this requirement:
  INP 3141C Advanced Applied Psychology 1 hr
  INP 3951 Industrial/Organizational Field Work 3 hrs
  PSY 3905 Directed Independent Study 1 hr
  1 PSY 3951 Undergraduate Field Work 1 hr
  PSY 4906 Directed Independent Study 1 hr
  PSY 4912 Directed Independent Research 1 hr

  1 This course may fulfill the requirement with prior approval.

Foreign Language Requirements

- None

Total Semester Hours Required

- 25

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.

Public Administration - Minor
College of Health and Public Affairs
Department of Public Administration,
Health and Public Affairs II, Room: 238
E-mail: pa/ba/bs@mail.ucf.edu
Dr. Michael Abels, 407-823-2604

The Public Administration minor is related to one of the fastest growing fields in the United States today. Students studying Public Administration will gain a greater understanding of tools associated with management of public sector organizations, including fiscal management, survey research, public administration, and human resource management.

Minor Admission Requirements

- None

Other Requirements

- None
Minors

Estate Majors.
Open to Business and Non-Business Students. Not available to Real
Phone: 407-823-3575
http://www.bus.ucf.edu/realestate/
Students seeking advising must go to BA 2 room 101.
Business Administration I, Room: 427
Dr. P. Phillips School of Real Estate,
College of Business Administration
Real Estate - Minor

Minor Admission Requirements
■ None

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

Open to Business and Non-Business Students. Not available to Real Estate Majors.

Minor Admission Requirements
■ None

Other Requirements
■ None

Prerequisite Courses
■ None

Required Courses
■ (21 hrs)
PAD 3003  Public Administration in American Society  3 hrs
PAD 3733  Professional Administrative Writing in the Public Sector  3 hrs
PAD 4034  The Administration of Public Policy  3 hrs
PAD 4104  Administrative Theory  3 hrs
PAD 4204  Fiscal Management  3 hrs
PAD 4414  Public Personnel Administration  3 hrs
PAD 4720  Survey Research in Public Administration  3 hrs

Restricted Electives
■ None

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.
■ A maximum of 6 hours of required or elective coursework (from Required Courses and Electives above) can count toward another major or minor degree program.

Recreation - Minor
College of Education
Department of Child, Family and Community Sciences,
Education Building, Room: 209
Dr. Debby Mitchell, ED 320H, mitchell@mail.ucf.edu
Phone: 407-823-6598

This minor will assist students who wish to work in recreation areas such as YMCA’s, Boys and Girls Clubs, after school programs, sports for children programs, theme park and resort recreation programs. This minor is available for students in the 2007 catalog year and beyond.

Minor Admission Requirements
■ None

Other Requirements
■ None

Prerequisite Courses
■ None

Required Courses
■ (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)
Select 3:
PET 3821  Teaching Sports Skills II  3 hrs
PET 4312  Biomechanics  3 hrs
PET 4313  Athletic Training  3 hrs
PET 4314  Sports and Ethics  3 hrs
PEO 3042  Games Analysis  3 hrs
PET 4315  Public Relations in Sport and Fitness  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://www.philosophy.cah.ucf.edu/
E-mail: religion@mail.ucf.edu
Dr. Claudia Schipper, 407-823-2273

The religious studies minor provides a limited yet coherent range of courses which introduce the student to a range of religious institutions and ideas. Courses are drawn from the departments of Anthropology, Art, English, History, Judaic Studies, Philosophy, Political Science, Psychology, and Sociology, and are to be selected in consultation with the Religious Studies advisor.

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>REL 2300</td>
<td>World Religions</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Restricted Electives
<table>
<thead>
<tr>
<th>(Select from the following courses)</th>
</tr>
</thead>
</table>

Religion, Humanities, Classics, and Philosophy courses
- 12 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.

Science Education - Minor
College of Education
Department of Teaching and Learning Principles,
Education Building, Room: 209
http://education.ucf.edu/science/
Dr. Aldrin Sweeney, ED 123L, asweeney@mail.ucf.edu
Dr. Janet Anderson, ED 123Q, jandreas@mail.ucf.edu, 407-823-5430
Phone: 407-823-2561

The Science Education minor is intended for non-Science Education majors. It is well suited for students majoring in another secondary content area or as an area for students enrolled in Interdisciplinary Studies. This minor is available for students in the 2008 catalog year and beyond.

Minor Admission Requirements
- None

Other Requirements
- Have a minimum 2.5 overall GPA
- Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from an approved Florida community college or state university

Prerequisite Courses
- None

Required Courses
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>EDF 4467</td>
<td>Learning Theory and Assessment</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDG 4410</td>
<td>Teaching Strategies and Classroom Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RED 4043</td>
<td>Content Reading in Kindergarten through Grade 12</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SCE 4360</td>
<td>Science Instructional Analysis</td>
<td>4 hrs</td>
</tr>
<tr>
<td>SCE 4360</td>
<td>Science Instructional Analysis</td>
<td>4 hrs</td>
</tr>
<tr>
<td>TSL 4080</td>
<td>Theory and Practice of Teaching ESOL</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Restricted Electives
- None
Minors

Foreign Language Requirements
- None

Total Semester Hours Required
- 19

Other Requirements
- Students should see an advisor prior to registering for classes
- Students must complete 18 hrs of courses in science as co-requisites
- At least 12 hours in the minor must be earned at UCF

Secure Computing and Networks - Minor
College of Engineering and Computer Science
School of Electrical Engineering and Computer Science, Engineering, Room: 107
http://www.cecs.ucf.edu
Ms. Kim Small, ksmall@mail.ucf.edu, 407-823-2455

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (6 hrs)
Required Courses
- 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:
  - CIS 4361 Secure Operating Systems and Administration 3 hrs
  - CIS 4615 Secure Software Development and Assurance 3 hrs
  - CNT 4403 Network Security and Privacy 3 hrs
  - CNT 4703C Design and Implementation of Computer Communication Networks 3 hrs
  - CNT 4704 Analysis of Computer Communication Networks 3 hrs
  - COP 4600 Operating Systems 3 hrs
  - EEL 4781 Computer Communication Networks 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 19

Other Requirements
- A minimum GPA of 2.0 is required in all the courses used to satisfy the minor
- No credit by exam (TSD, Military credit) may be used
- Internship, Co-op, or Independent Study credit cannot be used toward the minor

Social Science Education - Minor
College of Education
Department of Teaching and Learning Principles, Education Building, Room: 209
http://education.ucf.edu/ssed/
Dr. Scott Waring, ED 206J, swaring@mail.ucf.edu, 407-823-1766
Dr. Janet Andreasen, ED 123Q, jandreas@mail.ucf.edu, 407-823-5430

The Social Science Education minor is intended for non-Social Science Education majors. It is well suited for students majoring in another secondary content area or as an area for students enrolled in Interdisciplinary Studies. This minor is available for students in the 2008 catalog year and beyond.

Minor Admission Requirements
- Have a minimum 2.5 overall GPA
- Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from an approved Florida community college or state university

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (19 hrs)
Required Courses
- 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
- SSE 4361 Social Science Instructional Analysis 4 hrs
- SSE 4936 Programs in Teaching Social Science 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

Restricted Electives
- None

Social Sciences - Interdisciplinary - Minor
College of Sciences
Department of Sociology, Howard Phillips Hall, Room: 403
http://sociology.ucf.edu/
E-mail: sociology@ucf.edu
Dr. Jay Corzine
Phone: 407-823-3744

Minor Admission Requirements
- The minor is not open to Social Sciences majors.

Other Requirements
- Students must earn a grade “C” or above (2.0) in each course used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF.
- At least 18 hours must be upper division classes.
Minors

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (3 hrs)
- One method course, selected from the three immediately below

Select 1: 3 hrs
- POS 3703  Scope and Methods of Political Science
- PSY 3213C  Research Methods in Psychology or
- SYA 4300C  Research Methods  4 hrs

Restricted Electives (18 hrs)
- Select a minimum of six hours in each of three different disciplines below. The courses below cannot overlap with your major discipline.

- Communication
- Economics
- Political Science
- Public Administration
- Psychology
- Sociology & Anthropology

Foreign Language Requirements
- None

Total Semester Hours Required
- 21

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Sociology - Minor
College of Sciences
Department of Sociology, Howard Phillips Hall, Room: 403
http://sociology.ucf.edu/
E-mail: sociology@ucf.edu
Dr. Jay Corzine
Phone: 407-823-3744

Minor Admission Requirements
- The minor is not open to Sociology majors.

Other Requirements
- Students must earn a minimum GPA of at least 2.0 in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department of Sociology.
- No more than 3 hours of Independent Study credit can be used toward the minor.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (3 hrs)
- SYG 2000  Introduction to Sociology

Restricted Electives (15 hrs)

Restricted Electives 3 hrs
- 2000-4000 level Sociology courses

Restricted Upper Division Electives 12 hrs
- 3000-4000 level Sociology courses

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Spanish - Minor
College of Arts and Humanities
Department of Modern Languages and Literatures, Colbourn Hall, Room: 523
http://mll.cah.ucf.edu/
E-mail: forlang@mail.ucf.edu
Dr. Paul Giordano, 407-823-2472

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses
- None

Restricted Electives (18 hrs)
- A native or near-native speaker must substitute an alternate upper division course for the advanced oral communication course.
- Approval of a departmental advisor is required prior to registration.
- Select six upper division courses in Spanish, including the following courses:
  - SPN 3300  Advanced Spanish Grammar and Composition  3 hrs
  - SPN 3420  Spanish Composition  3 hrs
  - SPN 3760  Advanced Spanish Oral Communication  3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum grade of “C” (2.0) is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental permission.
Minors

Sport Business Management (SPB): Business Minor
- Minor
College of Business Administration
DeVos Sport Business Management, Business Administration II, Room: 205
http://www.bus.ucf.edu
Dr. C. Keith Harrison, Faculty Coordinator for SPB Minor, kharri-son@bus.ucf.edu, 407-823-1158

Open to Business majors only. Minor will only be awarded at the time of business degree completion. A 2.5 GPA in the minor is required in order to receive this minor.

Minor Admission Requirements
- Completion of Common Program Prerequisites and Admission to a major within the College of Business Administration

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (12 hrs)
- MAR 4711 Sport Marketing 3 hrs
- SPB 3003 Introduction to Sport Business Management 3 hrs
- SPB 3603 Diversity and Social Issues in Sport Business Management 3 hrs
- SPB 3823 The Role of Business Entrepreneurship in Sports/Entertainment 3 hrs

Restricted Electives (6 hrs)
- 1 GEB 4824 Business Law in Sport & Entertainment 3 hrs
- MAN 4701 Business Ethics and Society 3 hrs
- SPB 4304 Sports Event and Facility Management 3 hrs
- SPB 4804 Sport Business and Media 3 hrs

1 Business Law in Sport & Entertainment

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- SPB 3003 is the prerequisite for all other required and restricted elective courses in the minor. However, juniors and seniors may take SPB 3823 before taking SPB 3003.
- Students must have sophomore, junior or senior standing to enroll in SPB 3003.
- Students must have junior or senior standing to enroll in SPB 3823.
- Students must earn a grade of a “C” (2.0) or better, or an “S” grade, in courses within the minor in order to take additional courses in the minor.
- Students must maintain a minimum GPA of 2.5 to be enrolled in courses within the minor.
- No credit by exam (CLEP, TSD, Military credit) may be used to satisfy any of the credit hour requirements in the minor.
- Internship, Independent Study, and Directed Research credit hours may be applied toward the requirements of completing the minor only if the credit hours are approved by the appropriate Department Chair.
- At least nine credit hours must be earned at UCF within the DeVos undergraduate Sport Business Management Minor program.
- A maximum of six credit hours of the above-listed required or elective courses can count toward another major or minor degree program.

Sport Business Management (SPB): Minor for Non-Business Majors - Minor
College of Business Administration
DeVos Sport Business Management, Business Administration II, Room: 205
http://www.bus.ucf.edu
Dr. C. Keith Harrison, Faculty Coordinator for SPB Minor, kharri-son@bus.ucf.edu, 407-823-1158

Open to Non-Business Majors only. A 2.5 GPA in the minor is required in order to receive this minor.

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses (7 hrs)
- FIN 2100 Personal Finance and Investments 3 hrs
- MAR 3023 Marketing 4 hrs

Required Courses (12 hrs)
- MAR 4711 Sport Marketing 3 hrs
- SPB 3003 Introduction to Sport Business Management 3 hrs
- SPB 3603 Diversity and Social Issues in Sport Business Management 3 hrs
- SPB 3823 The Role of Business Entrepreneurship in Sports/Entertainment 3 hrs

Restricted Electives (6 hrs)
- GEB 4824 Business Law in Sport & Entertainment 3 hrs
- SPB 4304 Sports Event and Facility Management 3 hrs
- SPB 4804 Sport Business and Media 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- SPB 3003 is the prerequisite for all other required and restricted elective courses in the minor. However, juniors and seniors may take SPB 3823 before taking SPB 3003.
- Students must have sophomore, junior or senior standing to enroll in SPB 3003.
- Students must have junior or senior standing to enroll in SPB 3823.
- Students must earn a grade of “C” (2.0) or better, or an “S” grade, in courses within the minor in order to take additional courses in the minor.
- Students must maintain a minimum GPA of 2.5 to be enrolled in courses within the minor.
- No credit by exam (CLEP, TSD, Military credit) may be used to satisfy any of the credit hour requirements in the minor.
- Internship, Independent Study, and Directed Research credit hours may be applied toward the requirements of completing the minor only if the credit hours are approved by the appropriate Department Chair.
- At least nine credit hours must be earned at UCF within the DeVos undergraduate Sport Business Management Minor program.
- A maximum of six credit hours of the above-listed required or elective courses can count toward another major or minor degree program.
Statistics - Minor
College of Sciences
Department of Statistics,
Computer Center II, Room: 212
http://statistics.cos.ucf.edu/
E-mail: statistics@ucf.edu
Dr. David Nickerson
Phone: 407-823-2289

Minor Admission Requirements
■ The minor is not open to Statistics majors.

Other Requirements
■ A minimum grade of "C" (2.0) is required in all courses used to satisfy the minor.
■ At least 15 hours used in the minor must be earned at UCF within the department of Statistics.

Prerequisite Courses
■ Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (9 hrs)
STA 4163  Statistical Methods II  3 hrs
STA 4164  Statistical Methods III  3 hrs
Select 1: 3 hrs
STA 2023  Statistical Methods I or
STA 3032  Probability and Statistics for Engineers  3 hrs

Restricted Electives (9 hrs)
■ Select from upper division STA prefix courses taught within the Statistics Department.
■ The following course cannot be used as a restricted elective:
  STA 3032  Probability and Statistics for Engineers  3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ No credit by exam (TSD, Military credit) may be used.
■ Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Technical Education and Industry Training - Minor
College of Education
Department of Teaching and Learning Principles,
Education Building, Room: 209
http://education.ucf.edu/teched/
E-mail: jwhitema@mail.ucf.edu
Dr. Jo Ann M. Whiteman, ED 115D
Phone: 407-823-2848

The minor in Technical Education and Industry Training provides a limited, but substantive experience in the area of technical education and industry training of adults. The minor is not intended for students admitted to a degree program in the College of Education and does not lead to teacher certification or admission to the College of Education. All courses are offered solely using the Web. This minor is available for students in the 2003 catalog year and beyond.

Minor Admission Requirements
■ Must be Junior standing

Other Requirements
■ None

Prerequisite Courses
■ None

Required Courses (18 hrs)
ADE 4382  Teaching Adult Learners in Technical Programs  3 hrs
EVT 3062  Professional Role of the Vocational Teacher  3 hrs
EVT 3367  Evaluation of Vocational Instruction  3 hrs
EVT 4065  Principles and Practices of Technical Education  3 hrs
EVT 4169  Curriculum Development Techniques for Industry Training  3 hrs
EVT 4368  Advanced Teaching Techniques for Vocational Education  3 hrs

Restricted Electives
■ None

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ A minimum of 4 courses of the 6 required must be completed at UCF within the Program of courses listed above.
■ A grade of "C" (2.0) or better must be achieved in each course used for this Minor.
■ Internship, Co-op, or Independent Study credit cannot be used 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
College of Engineering and Computer Science
Department of Management, Business Administration,
Room: 307
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

Other Requirements
■ None

Prerequisite Courses
■ None

Required Courses (9 hrs)
GEB 3113  How to Start a Business  3 hrs
GEB 4110  Business Plan Preparation  3 hrs
GEB 4152  Technological Entrepreneurship  3 hrs

Restricted Electives (9 hrs)
Minors

Innovation Design or Research Sequence 6 hrs
- Any 6-credit sequence approved by the program coordinator in coordination with faculty in partner discipline that addresses discipline-specific innovation and commercialization processes. These may include senior design courses, capstone research sequences, or relevant honors theses. Examples of approved course sequences for the minor include:

All engineering, interdisciplinary students (e.g., business):
- EGN 4412C  Interdisciplinary Design I and 3 hrs
- EGN 4413C  Interdisciplinary Design II 3 hrs
- BSEE, BSCPE:
  - EEL 4914  Senior Design I and 3 hrs
  - EEL 4915L  Senior Design II 3 hrs
- BSME:
  - EML 4501C  Engineering Design I and 3 hrs
  - EML 4502C  Engineering Design II 3 hrs
- BSCE:
  - CCE 4810C  Construction Design Project and 3 hrs
  - CEG 4801C  Geotechnical Engineering Design 3 hrs
- BSAE:
  - EAS 4700C  Aerospace Design I and 3 hrs
  - EAS 4710C  Aerospace Design II 3 hrs

Discipline-Specific or Experiential Sequence 3 hrs
- Any 3-credit discipline-specific or experiential learning entrepreneurship course sequence approved by the program coordinator in coordination with faculty in partner discipline. Examples would include discipline-specific entrepreneurship courses like Engineering Entrepreneurship (EGN 4641C), internships in small or technology-based companies, lecture series, or field research courses that specifically address entrepreneurship or innovation.

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A 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

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (15 hrs)
- THE 2304  Script Analysis 3 hrs
- THE 3311  Theatre History and Dramatic Literature I 3 hrs
- TPA 2201  Technical Theatre Production 2 hrs
- TPA 2201L  Technical Theatre Production Lab 1 hr
- TPP 2101  Fundamentals of Acting 3 hrs

Select 1:
- THE 2000  Theatre Survey or 3 hrs
- THE 2020  Survey of Theatre for Majors 3 hrs

Restricted Electives (3 hrs)
- Any DAA, DAN, THE, TPA, or TPP course taught by the theatre department and approved by the Undergraduate Coordinator in the Theatre department. Courses with these prefixes not taught by the Department of Theatre cannot be used in this program.

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A grade of “C” (2.0) or better is required in all courses used to satisfy the minor.
- Student must consult theatre advisor every semester. Students who do not consult with their department advisor will be placed on departmental probation which causes them/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 12 hours used toward the minor must be earned from the UCF Theatre Department. Transfer credits are allowed, but student must still complete 12 credits from UCF Theatre Department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- Students must consult departmental handbooks every semester.

Urban and Regional Planning - Minor

College of Health and Public Affairs
Department of Public Administration, Health and Public Affairs II, Room: 238
E-mail: pa/ba/bs@mail.ucf.edu
Jay Jurie, 407-823-2604

Urban and regional planning is one area of public administration that has seen considerable growth over the past few years. Areas like Central Florida need many professionals who assist government, communities, and private sector planning organizations to provide growth that is environmentally feasible, aesthetically attractive, socially and politically acceptable, technically sustainable, and economically dynamic. This minor looks at all of these diverse and competing interests, and provides the basics for those interested in employment in this area of great demand. Students who pursue a minor in urban and regional planning may find positions as a city planner, urban designer, planning specialist, environmental program manager, or economic development specialist, among others.

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (21 hrs)
- PAD 3330  Urban and Regional Planning 3 hrs
- PAD 4253  Community & Economic Development 3 hrs
- PAD 4331  Land Use and Planning 3 hrs
- PAD 4334  Urban Design 3 hrs
- PAD 4351  Issues in Environmental Program Management 3 hrs
- PAD 4712  Information Systems for Public Managers and Planners 3 hrs
- PAD 4803  Issues in Urban Administration 3 hrs
Women's Studies - Minor
College of Arts and Humanities
Program in Women’s Studies,
Colbourn Hall, Room: 201H
http://womensstudies.cah.ucf.edu
E-mail: womenst@mail.ucf.edu
Dr. M.C. Santana, 407-823-2269

The Women’s Studies minor provides students with an opportunity to learn about women’s historical and contemporary roles, gain a working knowledge of interdisciplinary feminist scholarship, and reflect critically on their life experiences as shaped by gender and other forms of diversity. Courses are drawn from the departments and schools, including Anthropology, Art, Communication, Criminal Justice and Legal Studies, Film, English, Exceptional and Physical Education, Health Professions and Physical Therapy, History, Philosophy, Political Science, Psychology, Nursing, Social Work, Sociology, Theatre, and the Women’s Studies Program.

Minor Admission Requirements
None

Other Requirements
None

Prerequisite Courses
None

Required Courses

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>WST 3015</td>
<td>Introduction to Women's Studies</td>
<td>3</td>
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Select 1:

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>LIT 4554</td>
<td>Advanced Feminist Theories or</td>
<td>3</td>
</tr>
<tr>
<td>PHM 3123</td>
<td>Feminist Theories or</td>
<td>3</td>
</tr>
<tr>
<td>WST 3522</td>
<td>First and Second Wave Feminisms or</td>
<td>3</td>
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<tr>
<td>WST 3561</td>
<td>Third Wave Feminisms or</td>
<td>3</td>
</tr>
<tr>
<td>WST 3621</td>
<td>Theories of Masculinity or</td>
<td>3</td>
</tr>
<tr>
<td>WST 4349</td>
<td>Ecofeminism or</td>
<td>3</td>
</tr>
<tr>
<td>WST 4415</td>
<td>Global and Transnational Feminism</td>
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Restricted Electives

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<td>WST 3020</td>
<td>Girls’ Studies</td>
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<tr>
<td>WST 3371</td>
<td>Women and Leadership</td>
<td>3</td>
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<tr>
<td>WST 3460</td>
<td>Feminist Studies</td>
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<tr>
<td>WST 3500</td>
<td>Gender Issues and Community Activism</td>
<td>3</td>
</tr>
<tr>
<td>WST 3522</td>
<td>First and Second Wave Feminisms</td>
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<tr>
<td>WST 3621</td>
<td>Theories of Masculinity</td>
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<tr>
<td>WST 4002</td>
<td>Researching Women and Gender</td>
<td>3</td>
</tr>
<tr>
<td>WST 4021</td>
<td>Girls and Leadership</td>
<td>3</td>
</tr>
<tr>
<td>WST 4349</td>
<td>Ecofeminism</td>
<td>3</td>
</tr>
<tr>
<td>WST 4415</td>
<td>Global and Transnational Feminism</td>
<td>3</td>
</tr>
</tbody>
</table>

Women's History

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 3561</td>
<td>American History I</td>
<td>3</td>
</tr>
<tr>
<td>AMH 3562</td>
<td>American History II</td>
<td>3</td>
</tr>
<tr>
<td>ASH 4304</td>
<td>Women in China</td>
<td>3</td>
</tr>
<tr>
<td>EUN 4610</td>
<td>Women in European Society: From Medieval to Modern</td>
<td>3</td>
</tr>
</tbody>
</table>

Representations of Women

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AML 3263</td>
<td>Contemporary American Women’s Fiction</td>
<td>3</td>
</tr>
<tr>
<td>ARH 4871</td>
<td>Women in Art</td>
<td>3</td>
</tr>
<tr>
<td>COM 4014</td>
<td>Gender Issues in Communication</td>
<td>3</td>
</tr>
<tr>
<td>FIL 3880C</td>
<td>Images of Women in Film</td>
<td>3</td>
</tr>
<tr>
<td>LIT 3383</td>
<td>Women in Literature</td>
<td>3</td>
</tr>
<tr>
<td>LIT 3823</td>
<td>Hispanic Women Writers</td>
<td>3</td>
</tr>
<tr>
<td>PHI 3022</td>
<td>Sexuality, Gender &amp; Philosophy</td>
<td>3</td>
</tr>
</tbody>
</table>

Women's Wellness

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLP 3164</td>
<td>Women's Mental Health</td>
<td>3</td>
</tr>
<tr>
<td>NSP 4425</td>
<td>Women's Health Issues</td>
<td>3</td>
</tr>
<tr>
<td>SOP 3742</td>
<td>Psychology of Women</td>
<td>3</td>
</tr>
</tbody>
</table>

Select 1:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEM 2405</td>
<td>Self Defense for Women and Men or</td>
<td>3</td>
</tr>
<tr>
<td>SOP 2772</td>
<td>Sexual Behavior</td>
<td>3</td>
</tr>
</tbody>
</table>

Women and Social Policy

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 3302</td>
<td>Sex, Gender and Culture</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4308</td>
<td>Gender Issues in Latin America</td>
<td>3</td>
</tr>
<tr>
<td>CCJ 4670</td>
<td>Women and Crime</td>
<td>3</td>
</tr>
<tr>
<td>CCJ 4681</td>
<td>Domestic Violence and the Justice System</td>
<td>3</td>
</tr>
<tr>
<td>CPO 4710</td>
<td>Women in Comparative Politics</td>
<td>3</td>
</tr>
<tr>
<td>INR 4085</td>
<td>Women, Gender, and Globalization</td>
<td>3</td>
</tr>
<tr>
<td>PUP 3325</td>
<td>Women and Political Behavior</td>
<td>3</td>
</tr>
<tr>
<td>PUP 4323</td>
<td>Women and Public Policy</td>
<td>3</td>
</tr>
<tr>
<td>SYD 3751</td>
<td>North American Indian Women Today</td>
<td>3</td>
</tr>
<tr>
<td>SYD 3800</td>
<td>Sex and Gender in Society</td>
<td>3</td>
</tr>
<tr>
<td>SYD 4810</td>
<td>Women in Contemporary Society</td>
<td>3</td>
</tr>
<tr>
<td>SYD 4813</td>
<td>Women, Law and Social Change</td>
<td>3</td>
</tr>
<tr>
<td>SYO 4100</td>
<td>Family Trends</td>
<td>3</td>
</tr>
</tbody>
</table>

Foreign Language Requirements
None

Total Semester Hours Required
18

Other Requirements
Minimum grade of “C” (2.0) is required in each course used to satisfy the minor.
At least 12 hours used in the minor must be earned at UCF.
No credit by exam (TSD, military credit) may be used.
### World Comparative Studies - Minor

**Office of Undergraduate Studies**  
**Office of Interdisciplinary Studies,**  
**Classroom I, Room: 302**  
**http://www.is.ucf.edu**  
**E-mail: is@mail.ucf.edu**  
Phone: 407-823-0144

The World Comparative Studies (WCS) minor is an interdisciplinary academic program intended to prepare students to live and work in, and make sense of, an increasingly interdependent and multicultural world. Students with an interest in international studies, as well as careers in business, communications, economics, education, environmental science, history, and politics, are invited to consider the minor as a supplement to their major.

All students must engage in an approved international experience. The language proficiency requirement must also be met.

### Minor Admission Requirements
- None

### Other Requirements
- None

### Prerequisite Courses
- None

### Required Courses (3 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>IDS 3333</td>
<td>World Comparative Studies</td>
<td>3</td>
</tr>
</tbody>
</table>

### Restricted Electives (15 hrs)

- **Thematic Concentrations:** Select five courses from within one of the concentrations below. Courses not on the list may be taken with the prior approval of the program adviser. Students must meet all prerequisites before enrolling in these courses.

- **Restriction:** 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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AML 3615</td>
<td>Harlem, Haiti, and Havana</td>
<td>3</td>
</tr>
<tr>
<td>ANT 3145</td>
<td>Archaeology of Complex Societies</td>
<td>3</td>
</tr>
<tr>
<td>ANT 3212</td>
<td>Peoples of the World</td>
<td>3</td>
</tr>
<tr>
<td>ANT 3319</td>
<td>Anthropology of Diaspora</td>
<td>3</td>
</tr>
<tr>
<td>ANT 3610</td>
<td>Language and Culture</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4702</td>
<td>Culture, Power and Development</td>
<td>3</td>
</tr>
<tr>
<td>FSS 3008</td>
<td>Culture and Cuisine</td>
<td>3</td>
</tr>
<tr>
<td>HFT 3868</td>
<td>History and Culture of Wine</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4866C</td>
<td>Exploring Wines of the World</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4894</td>
<td>International Gastronomy</td>
<td>3</td>
</tr>
<tr>
<td>HUM 3419</td>
<td>Islamic Thought and Culture</td>
<td>3</td>
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</tbody>
</table>

#### Economics

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 4702</td>
<td>Culture, Power and Development</td>
<td>3</td>
</tr>
<tr>
<td>ECO 3703</td>
<td>International Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECO 4701</td>
<td>Seminar in Global Economic Policy</td>
<td>3</td>
</tr>
<tr>
<td>ECO 4713</td>
<td>International Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECP 3302</td>
<td>Economics and the Environment</td>
<td>3</td>
</tr>
<tr>
<td>ECS 4013</td>
<td>Development Economics</td>
<td>3</td>
</tr>
<tr>
<td>HFT 3700</td>
<td>Tourism Management</td>
<td>3</td>
</tr>
<tr>
<td>INR 4035</td>
<td>International Political Economy</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Biological and Geophysical Environment

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECP 3302</td>
<td>Economics and the Environment</td>
<td>3</td>
</tr>
<tr>
<td>ENV 3001</td>
<td>Introduction to Environmental Engineering</td>
<td>3</td>
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<tr>
<td>GIS 3043C</td>
<td>GIS for Environmental Studies</td>
<td>3</td>
</tr>
<tr>
<td>GIS 4035C</td>
<td>Remote Sensing of the Environment</td>
<td>3</td>
</tr>
<tr>
<td>HFT 4735</td>
<td>Tourism Geography</td>
<td>3</td>
</tr>
<tr>
<td>IDS 3150</td>
<td>Foundations of Environmental Studies</td>
<td>3</td>
</tr>
<tr>
<td>INR 4351</td>
<td>International Environmental Law</td>
<td>3</td>
</tr>
<tr>
<td>PHI 3033</td>
<td>Philosophy, Religion, and the Environment</td>
<td>3</td>
</tr>
<tr>
<td>PHI 3640</td>
<td>Environmental Ethics</td>
<td>3</td>
</tr>
<tr>
<td>SYD 4510</td>
<td>Environment and Society</td>
<td>3</td>
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### Social Structure and Change

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 3145</td>
<td>Archaeology of Complex Societies</td>
<td>3</td>
</tr>
<tr>
<td>ANT 3273</td>
<td>Law and Culture</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4702</td>
<td>Culture, Power and Development</td>
<td>3</td>
</tr>
<tr>
<td>PLA 4830</td>
<td>World Legal Systems</td>
<td>3</td>
</tr>
<tr>
<td>SYP 4454</td>
<td>Global Inequality and Society</td>
<td>3</td>
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### Media and Communication

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>COM 4461</td>
<td>Intercultural Communication</td>
<td>3</td>
</tr>
<tr>
<td>FIL 3842</td>
<td>International Cinema</td>
<td>3</td>
</tr>
<tr>
<td>FIL 3845</td>
<td>World Cinema Traditions</td>
<td>3</td>
</tr>
<tr>
<td>FIL 4844</td>
<td>Africana Cinema</td>
<td>3</td>
</tr>
<tr>
<td>LIN 4643</td>
<td>Cross Cultural Communication</td>
<td>3</td>
</tr>
<tr>
<td>THE 4212</td>
<td>Global Theatre</td>
<td>3</td>
</tr>
</tbody>
</table>

### World Independent Specialization

- Any five upper division courses from the approved list of courses in any thematic concentration may be selected for this option with approval of the Interdisciplinary Studies office.

### Foreign Language Requirements

- Students must demonstrate the equivalent of one year of successful college-level study in a foreign language. They can do this either by successful completion of the appropriate college-level course(s) or by examination.

### Total Semester Hours Required

- 18

### Other Requirements

- A grade of “C” (2.0) or above is required in each course used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study and international experiences require prior approval from the Interdisciplinary Studies advisors to be used in the minor.
CERTIFICATES

Aging Studies - Certificate
College of Health and Public Affairs
School of Social Work, Health and Public Affairs I, Room: 204
E-mail: socialwk@mail.ucf.edu
BSW Coordinator
Phone: 407-823-2114

In recognition of the special needs of the older adults in Central Florida, the school offers a 15-credit interdisciplinary program open to all students in any major. This certificate prepares students for careers in applied gerontology, research, public service or for graduate training. Courses focus on the physiological, psychological, sociological, environmental, cultural, legal-ethical and public policy issues affecting older adults. Students majoring in health professions, biomedical sciences, criminal justice and legal studies, hospitality management, psychology, social work, nursing, sociology, business, exercise science, physical education, communication sciences and disorders or education find study of the aging process especially helpful. The certificate may be completed as a fully web-based program.

Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements

None

Certificate Requirements

A required internship, along with course options that include service-learning activities, complements the web-based course of study.

Students select one of the internship courses listed below depending on their major. BSW majors must take the 9 credit hour field education course.

Prerequisite Courses

None

Required Courses (6 hrs)
- GEY 3001 Gerontology: An Interdisciplinary Overview 3 hrs

Required Internship: (Select one) 3 hrs
- HSA 4941 Internship 3 hrs
- SOW 4510 Field Education 9 hrs
- SOW 4941 Internship 9 hrs
- SYG 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 3220 Long Term Care and Administration 3 hrs
- HSA 4220 Long Term Patient Management 3 hrs
- HSC 4564 Health Care Needs of the Elderly 3 hrs
- NUR 4286 Gerontologic Nursing 3 hrs
- PLA 4530 Legal Issues of the Elderly 3 hrs
- SOW 3740 Social Work Practice with Loss & Life’s Transitions 3 hrs
- SOW 4645 Social Services for the Elderly 3 hrs

Other Colleges 3 hrs
- DEP 3464 Psychology of Aging 3 hrs
- GEY 5007 Women and Healthy Aging 3 hrs
- SYG 4730 Patterns of Aging in Society 3 hrs
- SYG 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 3003 Personality Theory 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
- PCO 4203 Interviewing and Counseling

UNIVERSITY OF CENTRAL FLORIDA
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 with 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
- SOW 3352 Practice II: Interpersonal Skills in Social Work: 3 hrs
- SOW 4650 Child Abuse: Treatment and Prevention: 3 hrs
- SOW 4654 Children’s Services: 3 hrs

Select 1:
1. SOW 4510 Field Education or 9 hrs
2. SOW 4941 Internship or 9 hrs

For full-time students ONLY
- (for part-time students over two semesters)

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- None

College of Health and Public Affairs
Department of Criminal Justice and Legal Studies, Health and Public Affairs I, Room: 311
E-mail: cjadvise@mail.ucf.edu
R. Cory Watkins, 407-823-2603

Crime analysis and crime mapping are now recognized as essential and vital functions in law enforcement. Analysts take advantage of state-of-the-art computer technologies to support operations, investigations, and management. These specialists take data and produce information that is used to identify crime patterns, monitor crime trends, forecast future crime events, prepare statistical crime reports, and work directly with investigators to identify suspects. Five courses (15 credit hours) are required for this undergraduate certificate. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
- None

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses
- CCJ 4076 Crime Analysis II: 3 hrs
- CJE 3662 CJ Information Technology and Data Management: 3 hrs
- CJE 4663 Crime Analysis I: 3 hrs

Restricted Electives
- Select two of the following: 6 hrs
  1. CCJ 3450 The Criminal Justice Manager: 3 hrs
  2. CCJ 3451 Justice System Technology: 3 hrs
  3. CJE 3444 Crime Prevention: 3 hrs
  4. CJE 4352 Policy Development in Law Enforcement: 3 hrs
  5. CJE 4572 Justice Agency Operations: 3 hrs
  6. CJE 4654 Crime and Place: 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- At least 12 hours used in the program must be earned at UCF within the Department of Criminal Justice
- No credit by exam (TSD, Military credit) may be used
- Internship or Independent Study credit may not be used toward the program
Crime Scene Investigation - Certificate
College of Health and Public Affairs
Department of Criminal Justice and Legal Studies, Health and Public Affairs I, Room: 311
Department of Anthropology, Phillips Hall, Room: 403
David Fabianic, fabianic@mail.ucf.edu, 407-823-2603
Dr. John Schultz, jschultz@mail.ucf.edu, 407-823-2618
Mary Ann Eastep, cjadvise@mail.ucf.edu, 407-823-2603

Crime scene processing is increasingly becoming a multi-disciplinary endeavor with the application of technologically advanced methods. Treatment of the initial crime scene is fundamental not only to the pursuit of offenders but also to the presentation of the prosecutor’s case once offenders have been apprehended. The certificate program is a means of organizing information required to perform basic crime scene investigations. It provides theoretical and practical information used to assess crime scenes, the technology available and the procedures to employ in order to produce a forensically valuable product. The program requires 15 credit hours of undergraduate work. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
- None

Certificate Requirements
- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- At least 12 hours used in the program must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit may not be used toward the program.

Prerequisite Courses
- None

Required Courses
- Note: some courses have limited offerings, and should be taken when available.
  ANT 4183 Archaeological Sciences  3 hrs
  ANT 4521C Forensic Anthropology  3 hrs
  CJE 4012 Criminal Profiling in Criminal Justice  3 hrs
  CJE 4610 Criminal Investigation  3 hrs

Restricted Electives
- Select one of the following courses:
  ANT 3115 Archaeological Method and Theory  3 hrs
  ANT 4528C Advanced Forensic Anthropology  5 hrs
  CCJ 4195 Interviews & Interrogations in CJ  3 hrs
  CHS 3501 Introduction to Forensic Science  3 hrs
  CJE 4630 Serial Murder and Criminal Justice  3 hrs
  SYP 3511 Sociology of Murder  3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- Course substitutions must be approved by both departments in advance.

Cultural Tourism - Certificate
Office of Undergraduate Studies
Office of Interdisciplinary Studies,
Classroom I, Room: 302
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
- None

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses
- Select one of the following:
  ANT 4303 Anthropology of Tourism  3 hrs
  HFT 3540 Guest Services Management I  3 hrs
  HFT 3700 Tourism Management  3 hrs
  HFT 4735 Tourism Geography  3 hrs
Certificates

Restricted Electives (6 hrs)
- Choose two classes from one of the following areas:

**African American Heritage area (choose two classes)**
- AFA 3104: The Black Intellectual Experience 3 hrs
- AFA 4105: Documenting African American Heritage and Life 3 hrs
- SYD 3700: Race and Ethnicity 3 hrs

**Anthropology area (choose two classes)**
- ANT 2140: Archaeology and the Rise of Human Culture 3 hrs
- ANT 2410: Cultural Anthropology 3 hrs
- ANT 3115: Archaeological Method and Theory 3 hrs
- ANT 3212: Peoples of the World 3 hrs
- ANT 3701: Applied Anthropology 3 hrs

**Environmental Tourism area (choose two classes)**
- BOT 3152C: Local Flora 3 hrs
- PCB 3442: Florida Aquatic Ecology 3 hrs
- PUP 3203: Environmental Politics 3 hrs
- PUP 4204: Sustainability 3 hrs
- SYD 4510: Environment and Society 3 hrs

**Latin American area (choose two classes)**
- ANT 3163: Mesoamerican Archaeology 3 hrs
- ANT 3168: Maya Archaeology 3 hrs
- ANT 4332: People and Cultures of Latin America 3 hrs
- ANT 4340: Caribbean Cultures 3 hrs
- ARH 4653: Meso American Art 3 hrs
- COP 4303: Comparative Latin American Politics 3 hrs
- LAH 3130: Latin American History I 3 hrs
- LAH 3200: Latin American History II 3 hrs
- LAH 3400: History of Mexico and Central America 3 hrs
- LAH 3470: History of the Caribbean 3 hrs

**Foreign Language Requirements**
- None

Total Semester Hours Required
- 18

Other Requirements
- A grade of “C” or above (2.0) is required in each course used to satisfy the certificate.
- At least 12 hours used in the certificate must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Independent Study or Co-op credit cannot be used toward the certificate without prior permission of the program director.

**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 (9 hrs)**
- AMH 4513: United States as a Great Power: 1945-Present 3 hrs
- INR 4030: Diplomacy 3 hrs
- INR 4102: American Foreign Policy 3 hrs

**Restricted Electives (6 hrs)**
- Select two courses from the following list: 6 hrs
  - AMH 4512: US Diplomatic History: 1914-1945 or 3 hrs
  - EUH 4620: European Great Powers: 1815-1914 or 3 hrs
  - INR 4054: Global Politics of Energy or 3 hrs
  - INR 4074: Immigration Policy or 3 hrs
  - INR 4075: Human Rights Policy or 3 hrs
  - INR 4076: Global Drug Policy or 3 hrs
  - INR 4104: Topics and Cases in American Foreign Policy or 3 hrs

**Foreign Language Requirements**
- None

**Educational Studies - Certificate**

**College of Education**

Department of Educational Studies, Education Building, Room: 220B

http://education.ucf.edu/es/

E-mail: wwise@mail.ucf.edu

Dr. W. Scott Wise, ED 220B

Phone: 407-823-1502

The Educational Studies certificate is intended to provide for students outside the College of Education a limited but substantial experience in the fields of professional education. Students who successfully complete this certificate can expect to increase their marketability in careers that include educational components such as instructing, training, and lecturing. This certificate is designed to promote student success on the Florida Teacher Certification Exams but does not qualify students for teacher certification or admission into the College of Education. An Educational Studies minor that includes a sixth course is also an option. This certificate is available for students in the 2007 catalog year and beyond.

**Certificate Admission Requirements**
- None

**Certificate Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses (12 hrs)**
- EDF 4467: Learning Theory and Assessment 3 hrs
- EDF 4603: Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- EDG 4410: Teaching Strategies and Classroom Management 3 hrs
- RED 4043: Content Reading in Kindergarten through Grade 12 3 hrs
Certificates

Restricted Electives (3 hrs)
Choose one:
- LAE 4342  Programs in Teaching Language and Composition  3 hrs
- LAE 4464  Survey of Adolescent Literature  3 hrs
- MAE 4634  Programs in Teaching of Mathematics  3 hrs
- SCE 4361  Programs in Teaching Science  3 hrs
- SSE 4936  Programs in Teaching Social Science  3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- A grade of "C" (2.0) or better is required in each course used to satisfy the certificate.
- A minimum GPA of 2.5 of all Gordon Rule classes is required.
- At least 9 hours used in the certificate must be earned at UCF.
- No credit by exam (CLEP, Military credit) may be used.
- Completion of the certificate does not complete the requirements for teacher certification nor does it constitute admission to the College of Education.

Finance: Banking - Certificate
College of Business Administration
Department of Finance, Business Administration I, Room: 409
http://web.bus.ucf.edu/academics/finance/

Restricted to finance majors. These certificates do not require additional hours beyond the finance major program. They are intended to allow students to develop specializations in areas of interest. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
- None

Certificate Requirements
- No course grade lower than a C will be accepted for the certificate requirements, and the average GPA for the four courses must be 3.0 or higher.
- An internship must be a paid internship with a financial services firm, and must be approved by the Department of Finance Internship coordinator.

Prerequisite Courses
- None

Required Courses (12 hrs)
- ACG 3131  Financial Accounting Concepts and Analysis  3 hrs
- ACG 3141  Intermediate Financial Accounting II  3 hrs
- FIN 4324  Commercial Bank Management  3 hrs
- Select 1:
  - FIN 4941  Finance Internship or Professional Selling  3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 12

Other Requirements
- None

Finance: Corporate Finance - Certificate
College of Business Administration
Department of Finance, Business Administration I, Room: 409
http://web.bus.ucf.edu/academics/finance/

*Restricted to finance majors. These certificates do not require additional hours beyond the finance major program. They are intended to allow students to develop specializations in areas of interest. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
- None

Certificate Requirements
- No course grade lower than a C will be accepted for the certificate requirements, and the average GPA for the four courses must be 3.0 or higher.
- An internship must be a paid internship with a financial services firm, and must be approved by the Department of Finance Internship coordinator.

Prerequisite Courses
- None

Required Courses (12 hrs)
- ACG 3131  Financial Accounting Concepts and Analysis  3 hrs
- ACG 3141  Intermediate Financial Accounting II  3 hrs
- FIN 3414  Intermediate Corporate Finance  3 hrs
- FIN 4941  Finance Internship  3 hrs

Total Semester Hours Required
- 12

Other Requirements
- None

Finance: Investments - Certificate
College of Business Administration
Department of Finance, Business Administration I, Room: 409
http://www.bus.ucf.edu/finance/

*Restricted to finance majors. These certificates do not require additional hours beyond the finance major program. They are intended to allow students to develop specializations in areas of interest. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
- None

Certificate Requirements
- No course grade lower than a C will be accepted for the certificate requirements, and the average GPA for the four courses must be 3.0 or higher.
- An internship must be a paid internship with a financial services firm, and must be approved by the Department of Finance Internship coordinator.

Prerequisite Courses
- None

Required Courses (12 hrs)
- FIN 3504  Investment Analysis  3 hrs
- FIN 4514  Portfolio Analysis and Management  3 hrs
- FIN 4533  Financial Derivatives  3 hrs
- FIN 4941  Finance Internship  3 hrs
## Certificates

### Judaic Studies - Certificate

**College of Arts and Humanities**  
**Program in Judaic Studies, Colbourn Hall, Room: 415 E-J**  
[http://www.judaicstudies.cah.ucf.edu](http://www.judaicstudies.cah.ucf.edu)  
**E-mail: judaicst@mail.ucf.edu**  
Dr. Moshe Pelli, 407-823-5039

The Interdisciplinary Program in Judaic Studies offers both a minor and a certificate. The Program cooperates with the departments of Anthropology, English, Modern Languages, History, Philosophy, Political Science, and Sociology, and with the Interdisciplinary Studies and Women’s Studies programs. The certificate in Judaic Studies will be awarded to students completing 15 hours in the following Judaic Studies courses.

### Certificate Admission Requirements
- None

### Certificate Requirements
- None

### Prerequisite Courses
- None

### Required Courses (15 hrs)

#### Language
- **HBR 1120** Elementary Modern Hebrew Language and Culture I 4 hrs
- **HBR 1121** Elementary Modern Hebrew Language and Culture II 4 hrs
- **HBR 2200** Intermediate Modern Hebrew I 3 hrs
- **HBR 2201** Intermediate Modern Hebrew II 3 hrs
- **HBR 3250** Biblical Hebrew 3 hrs
- **HBR 3410** Conversational Israeli Hebrew 3 hrs

#### Jewish History
- **JST 3401** The Jewish People I 3 hrs
- **JST 3402** The Jewish People II 3 hrs
- **JST 3415** American Jewish History 3 hrs
- **JST 3481** 20th Century Jewish History and Thought 3 hrs
- **JST 3550** Introduction of Modernism into Judaism 3 hrs
- **JST 3701** History of the Holocaust 3 hrs

#### Bible
- **JST 3120** Hebrew Scriptures 3 hrs
- **JST 3125** The Book of Job 3 hrs
- **JST 3126** Romantic Love in the Bible 3 hrs
- **JST 3144** Dead Sea Scrolls 3 hrs
- **JST 3190** The Biblical Prophets 3 hrs

#### Literature
- **JST 3100** The Hebrew Creative Mind 3 hrs
- **JST 3312** Identity and Genre 3 hrs
- **JST 3751** Literature of the Holocaust 3 hrs

#### Jewish Civilization
- **JST 3005** Tenets of Judaism 3 hrs
- **JST 3121** Classic Texts of Judaism 3 hrs
- **JST 3210** Kabbalah: Jewish Mysticism 3 hrs
- **JST 3620** Contemporary Jewish Ethics and Morality 3 hrs

### Other courses, including special topics, with the approval of the Director

### Culture
- **JST 3450** Modern Jewish Experience 3 hrs
- **JST 3810** The Jewish National Movement and Roots of Zionism 3 hrs
- **JST 3820** Modern Hebrew Culture 3 hrs

### Restricted Electives
- None

### Foreign Language Requirements
- None

### Total Semester Hours Required
- 15

### Other Requirements
- A grade of “C” (2.0) or better is required in all courses used to satisfy the certificate.
- At least 12 hours used in the certificate must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the certificate.

### Language Development and Disorders - Certificate

**College of Health and Public Affairs**  
**Department of Communication Sciences and Disorders, Health and Public Affairs II, Room: 101**  
[http://www.cohpa.ucf.edu/comdis](http://www.cohpa.ucf.edu/comdis)  
**E-mail: advising@mail.ucf.edu**

Language disorders are the most prevalent communication disorder. Typically children, adolescents and adults with language disorders are served via a team approach that includes speech-language pathologists, psychologists, neurologists, pediatricians, nurses, social workers, physical therapists, occupational therapists, school counselors, and general and special educators. This certificate is designed for undergraduate students who are not majoring in Communication Sciences and Disorders but are in disciplines related to speech-language pathology who wish to pursue a special emphasis in language development and disorders in children, adolescents and adults.

Certificates will be awarded only at the time of degree completion.

### Certificate Admission Requirements
- None

### Certificate Requirements
- None

### Prerequisite Courses
- None

### Required Courses (11 hrs)

#### Language
- **LIN 3673** Grammar & Advanced Prose Style 3 hrs
- **LIN 3716** Language Development 3 hrs
- **LIN 371L** Language Development Lab 2 hrs
- **SPA 4400** Language Disorders Across the Life Span 3 hrs

#### Restricted Electives
- None

### Foreign Language Requirements
- None

### Total Semester Hours Required
- 11

### Other Requirements
- A minimum grade of “C-” (1.75) is required in each course.
- Students must earn an overall GPA of 2.0 in courses to complete the certificate.
- At least 10 hours used in the program must be earned at UCF with the Department of Communication Sciences and Disorders.
- No credit by exam (TSD, Military credit) internship or independent study may be used toward the certificate.
Leadership Studies - Certificate
Office of Undergraduate Studies
Office of Interdisciplinary Studies,
Classroom I, Room: 302
http://www.is.ucf.edu
E-mail: is@mail.ucf.edu
Phone: 407-823-0144

The Leadership Studies (LS) certificate is an interdisciplinary academic program that focuses on developing several dimensions of leadership understanding and skills for undergraduate students. The certificate builds upon foundational courses with specific aspects of leadership covered.

Certificate will be awarded only at time of degree completion.

Certificate Admission Requirements
■ None

Certificate Requirements
■ None

Prerequisite Courses
■ None

Required Courses (13 hrs)

Foundation Requirement
LDR 2001 Foundations of Leadership 2 hrs
1 LDR 2002 Intermediate Foundations of Leadership 2 hrs
1 PR: LDR 2001

Restricted Requirements
■ Choose one course from three of the areas below:

Communication
COM 3011C Communication and Human Relations or 3 hrs
COM 3120 Organizational Communication or 3 hrs
COM 4461 Intercultural Communication or 3 hrs
COM 4462 Conflict Management 3 hrs

Collaboration
INP 3004 Industrial/Organizational Psychology or 3 hrs
INP 4313 Organizational Psychology or 3 hrs
MAN 3025 Management of Organizations or 4 hrs
MAN 4240 Organizations: Theory and Behavior or 3 hrs
1 SPC 4426 Group Dynamics 3 hrs

Social Relations and Culture
ANT 3541 Biobehavioral Anthropology or 3 hrs
CLP 3143 Abnormal Psychology or 3 hrs
COM 4461 Intercultural Communication or 3 hrs
EXP 3304 Motivation or 3 hrs
SOP 3004 Social Psychology or 3 hrs
SOP 3723 Cross Cultural Psychology or 3 hrs
SOP 3742 Psychology of Women or 3 hrs
SOP 3784 Psychology of Diversity 3 hrs

Politics
PAD 3033 Public Administration in American Society or 3 hrs
PAD 4104 Administrative Theory or 3 hrs
PAD 4144 Non-Profit Organizations or 3 hrs
PAF 4754 Interdisciplinary Leadership in Public Affairs or 3 hrs
POS 3413 The American Presidency or 3 hrs
POS 4206 Political Psychology or 3 hrs
PUP 3325 Women and Political Behavior 3 hrs

Ethics
BUL 3130 Legal and Ethical Environment of Business or 3 hrs
EDF 3601 Professional Ethics in Education or 3 hrs
PAD 3040 Ethics and Values in Public Administration or 3 hrs
PHI 2108 Critical Thinking or 3 hrs
PHI 3640 Environmental Ethics 3 hrs
1 PR: COM 3311

Marketing: e-Marketing - Certificate
College of Business Administration
Department of Marketing, Business Administration II, Room: 307S

Certificates will be awarded only at the time of Marketing degree completion.

Certificate Admission Requirements
■ Restricted to Marketing majors
■ These six hours count as the six elective marketing hours required in the major

Certificate Requirements
■ None

Prerequisite Courses
■ None

Required Courses (6 hrs)
MAR 3721 E-Marketing 3 hrs
1 MAR 4941 Marketing Internship 3 hrs
1 Internship in “e”-related position. Certificate attainment is subject to the availability of internship opportunities in the area of interest.

Restricted Electives
■ None

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 6

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
Certificates

Prerequisite Courses
- None

Required Courses (6 hrs)
- MAR 4715 Entertainment Marketing 3 hrs
- 1 MAR 4941 Marketing Internship 3 hrs

1 Internship in entertainment-related position. Certificate attainment is subject to the availability of the internship opportunities in the area of interest.

 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
- 1 MAR 4941 Marketing Internship 3 hrs

1 Internship in healthcare-related position. Certificate attainment is subject to the availability of internship opportunities in the area of interest.

 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
- 1 MAR 4941 Marketing Internship 3 hrs

1 Internship in retail-related position. Certificate attainment is subject to the availability of internship opportunities in the area of interest.

 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 3403 Sales Force Management 3 hrs
- 1 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
- ¹ MAR 4941 Marketing Internship 3 hrs

¹ Internship in services-related position. Certificate attainment is subject to the availability of internship opportunities in the area of interest.

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 6

Other Requirements
- None

Marketing: Sport Marketing Management - Certificate
College of Business Administration
Department of Marketing, Business Administration II, Room: 307S
Certificates will be awarded only at the time of Marketing degree completion.

Certificate Admission Requirements
- Restricted to Marketing majors
- These six hours count as the six elective marketing hours required for the major.

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (6 hrs)
- MAR 4711 Sport Marketing 3 hrs
- ¹ MAR 4941 Marketing Internship 3 hrs

¹ Internship in sports-related position. Certificate attainment is subject to the availability of internship opportunities in the area of interest.

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 6

Other Requirements
- None

Military Science - Certificate
College of Engineering and Computer Science
Army ROTC, BLDG 501
LTC Bryce Christensen, 407-823-1872

Students enrolled in the UCF Army ROTC Military Science Program who are contracted under a three semester option prior to Commissioning will be eligible for a Military Science Certificate in Military Studies. Application for a Military Science Certificate will be approved by the Military Science Department Chair once a contracted Cadet completes the 12 credit hours of MSL Advanced Course instruction and the 3 credit hour Military History Course for a combined total of 15 credit hours in Military Science. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
- None

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (15 hrs)
- AMH 3547 U.S. Military History Since 1900 3 hrs
- MSL 4301C Leadership and Management 4 hrs
- MSL 4302C Officership 4 hrs
- Select 1: 4 hrs
  - MSL 3201C Leadership and Problem Solving
  - MSL 3202C Leadership and Ethics

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 that “C-” (1.75) are not accepted.
- No credit by exam (TSD, Military Credit) may be used.
- Internship or Independent Study credit can be used toward the certificate.
- Students earning the Military Science Minor are not eligible for this certificate.

Nonprofit Management - Certificate
College of Health and Public Affairs
Department of Public Administration, Health and Public Affairs II, Room: 238
http://www.cohpa.ucf.edu/pubadm
E-mail: pa/ba/bs@mail.ucf.edu
Mary Ann Feldheim, 407-823-2604

The Certificate program will provide basic knowledge in nonprofit management, resource development, volunteer management, strategic planning, and program evaluation for those students interested in nonprofit sector management as a career. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
- None

Certificate Requirements
- None

Prerequisite Courses
- None
## Certificates

### Required Courses (15 hrs)
- PAD 4144 Non-Profit Organizations: 3 hrs
- PAD 4147 Resource Development in the Nonprofit Sector: 3 hrs
- PAD 4148 Volunteer Management: 3 hrs
- PAD 4153 Planning and Improvement for Pub Org Organizations: 3 hrs
- PAD 4325 Program Evaluation for Public and Non-Profit: 3 hrs

### Restricted Electives (3 hrs)
- See advisor for approved courses

### Foreign Language Requirements
- None

### Total Semester Hours Required
- 18

### Other Requirements
- A minimum grade of "C" (2.0) is required in each course.
- At least 12 hours used in the program must be earned at UCF within the Department of Public Administration.

### Real Estate: Mortgage Brokerage - Certificate

**College of Business Administration**

**Dr. P. Phillips School of Real Estate,**

**Business Administration II, Room: 101**


Restricted to real estate majors. These certificates do not require additional hours beyond the BSBA real estate major program. They are intended to allow students to develop specializations in specific areas of interest and to prepare for licensing exams. Certificates will be awarded only at the time of degree completion.

Completion of this certificate qualifies a student to sit for the Florida mortgage broker’s license.

**Certificate Admission Requirements**
- None

**Certificate Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses (15 hrs)**
- MAR 3391 Professional Selling: 3 hrs
- REE 3043 Fundamentals of Real Estate: 3 hrs
- REE 3433 Real Estate Law: 3 hrs
- REE 4103 Real Estate Appraisal and Valuation: 3 hrs
- 1 REE 4941 Internship: 3 hrs

1 Internship must be paid internship in the area of specialization, and should be completed in the senior year after completing at least 6 hours of real estate courses. Internship packets are available in the Department of Finance (BA 409). Certificate attainment is subject to the availability of internship opportunities in the area of interest. A student must have earned an overall GPA of at least 3.0 to qualify for an internship.

**Restricted Electives**
- None

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 15

**Other Requirements**
- None

### Real Estate: Real Estate Appraisal - Certificate

**College of Business Administration**

**Dr. P. Phillips School of Real Estate,**

**Business Administration II, Room: 101**


Restricted to real estate majors. These certificates do not require additional hours beyond the BSBA real estate major program. They are intended to allow students to develop specializations in specific areas of interest and to prepare for licensing exams. Certificates will be awarded only at the time of degree completion.

Completion of this certificate qualifies a student to sit for the Florida real estate appraiser’s license.

**Certificate Admission Requirements**
- None

**Certificate Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses (15 hrs)**
- MAR 3391 Professional Selling: 3 hrs
- REE 3043 Fundamentals of Real Estate: 3 hrs
- REE 3433 Real Estate Law: 3 hrs
- REE 4103 Real Estate Appraisal and Valuation: 3 hrs
- 1 REE 4941 Internship: 3 hrs

1 Internship must be paid internship in the area of specialization, and should be completed in the senior year after completing at least 6 hours of real estate courses. Internship packets are available in the Department of Finance (BA 409). Certificate attainment is subject to the availability of internship opportunities in the area of interest. A student must have earned an overall GPA of at least 3.0 to qualify for an internship.

**Restricted Electives**
- None

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 15

**Other Requirements**
- None

### Real Estate: Real Estate Brokerage - Certificate

**College of Business Administration**

**Dr. P. Phillips School of Real Estate,**

**Business Administration II, Room: 101**


*Restricted to real estate majors. These certificates do not require additional hours beyond the BSBA real estate major program. They are intended to allow students to develop specializations in specific areas of interest and to prepare for licensing exams. Certificates will be awarded only at the time of degree completion.

Completion of this certificate qualifies a student to sit for the Florida real estate sales license.

**Certificate Admission Requirements**
- None

**Certificate Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses (15 hrs)**
- MAR 3391 Professional Selling: 3 hrs
- REE 3043 Fundamentals of Real Estate: 3 hrs
- REE 3433 Real Estate Law: 3 hrs
- REE 4103 Real Estate Appraisal and Valuation: 3 hrs
- 1 REE 4941 Internship: 3 hrs

1 Internship must be paid internship in the area of specialization, and should be completed in the senior year after completing at least 6 hours of real estate courses. Internship packets are available in the Department of Finance (BA 409). Certificate attainment is subject to the availability of internship opportunities in the area of interest. A student must have earned an overall GPA of at least 3.0 to qualify for an internship.

**Restricted Electives**
- None

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 15

**Other Requirements**
- None
Certificates

Required Courses (15 hrs)
- MAR 3391 Professional Selling 3 hrs
- REE 3043 Fundamentals of Real Estate 3 hrs
- REE 3433 Real Estate Law 3 hrs
- REE 4303 Real Estate Investment Analysis 3 hrs
- REE 4941 Internship 3 hrs

1 Internship must be paid internship in the area of specialization, and should be completed in the senior year after completing at least 6 hours of real estate courses. Internship packets are available in the Department of Finance (BA 409). Certificate attainment is subject to the availability of internship opportunities in the area of interest. A student must have earned an overall GPA of at least 3.0 to qualify for an internship.

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- A minimum overall GPA of 3.0 is required to qualify for the certificate.

Security Management - Certificate
College of Health and Public Affairs
Department of Criminal Justice and Legal Studies, Health and Public Affairs I, Room: 311
E-mail: cjadvise@mail.ucf.edu
Jerome Randall, 407-823-2603

The security industry is rapidly growing in the State of Florida and in the nation. This area is in need of qualified, innovative managers and leaders to meet the demands of the twenty-first century. A student in this certificate program will gain experience in risk assessment, legal issues, and contemporary approaches to security management. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
- None

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (12 hrs)
- CCJ 4644 White Collar Crime 3 hrs
- CJT 3893 Security Management 3 hrs
- CJT 4843 Risk Management in Criminal Justice/Private Security 3 hrs
- SCC 3311 Security Administration 3 hrs

Restricted Electives (3 hrs)
- Select one of the following:
  - CJE 3444 Crime Prevention 3 hrs
  - DSC 4012 Terrorism 3 hrs
  - PLA 3277 The Law of Torts 3 hrs
  - PLA 5937 Seminar in Contemporary Legal Problems 3 hrs
  - SCC 3316 Special Security Problems 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- A minimum overall GPA of 2.5 is required in UCF-approved SL classes.
- Minimum of 60 community service hours in four (4) UCF-approved SL classes.

Service-Learning - Certificate
Office of Undergraduate Studies
Office of Experiential Learning, Ferrell Commons, Room: 203
http://www.explearning.ucf.edu
A. Zeh, azeh@mail.ucf.edu, 407-823-2667

The certificate program in Service-Learning is designed for students in any discipline who seek to engage in a reflective analysis of community service as it relates to academic course work. Service-Learning furthers the learning objectives of the academic course, addresses community needs, and requires students to reflect on their activity in order to gain an appreciation for the relationship between civics and academics. Through Service-Learning (SL) courses, students develop academic skills, civic responsibility, and career opportunities. Since this certificate requires the completion of four SL courses, it reflects significant interest and commitment to this process. This certificate is open to all undergraduate and graduate students in any major.

Certificate Admission Requirements
- None

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (12 hrs)
- 4 UCF-approved SL courses
  - 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 classes.

Substitute Teaching - Certificate
College of Education
Department of Educational Studies, Education Building, Room: 220B
http://education.ucf.edu/
E-mail: wwise@mail.ucf.edu
Dr. W. Scott Wise, ED 220B
Phone: 407-823-1502

The Substitute Teaching Certificate is designed for undergraduates who want to prepare themselves for substitute teaching assignments in PK-12 schools. The certificate is intended for University students enrolled outside the College of Education and does not lead to
Certificates

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>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 2007</td>
<td>Introduction to Substitute Teaching</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDF 2250</td>
<td>Classroom Management for Substitute Teachers</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDG 2311</td>
<td>Teaching Strategies for Substitute Teachers</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Restricted Electives

- None

Foreign Language Requirements

- None

Total Semester Hours Required

- 9

Other Requirements

- A minimum GPA of 2.5 in all courses
- No credit by exam (CLEP, Military credit) may be used.
- At least 6 hours used in the certificate must be earned at UCF.
- Note: Completion of this certificate does not complete the requirements for teacher certification, nor does it constitute admission to the College of Education.

Translation and Interpretation - Certificate

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>
</tr>
</thead>
<tbody>
<tr>
<td>SPT 3800</td>
<td>Spanish Translation and Interpretation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPT 3805</td>
<td>Spanish Translation and Interpretation for Mass Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPT 3829</td>
<td>Medical Spanish Translation/Interpretation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPT 3831</td>
<td>Spanish Legal Translation and Interpretation</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Restricted Electives

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPN 3933</td>
<td>Spanish Across the Curriculum</td>
<td>1 hr</td>
</tr>
<tr>
<td>SPN 4941</td>
<td>Internship</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

Foreign Language Requirements

- None

Total Semester Hours Required

- 12

Other Requirements

- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- At least 12 hours used in the program must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the certificate.

Victim Advocacy - Certificate

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>
</tr>
</thead>
<tbody>
<tr>
<td>CCJ 3667</td>
<td>Victims and the CJ System</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CCJ 4670</td>
<td>Women and Crime</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CCJ 4661</td>
<td>Domestic Violence and the Justice System</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Restricted Electives

- Select two of the following:
  - CCJ 4129 Cultural Diversity in Criminal Justice | 3 hrs
  - CCJ 4690 Sex Offenders and the Criminal Justice System | 3 hrs
  - CJJ 4564 Juvenile Justice System | 3 hrs
  - NJR 4516 Crisis Intervention | 3 hrs
  - SDW 4754 Forensic Social Work Theory and Practice | 3 hrs
  - SYP 4521 Crime Victims in Society | 3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 15

Other Requirements

- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- At least 12 hours used in the program must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the certificate.
Women’s Studies - Certificate
College of Arts and Humanities
Program in Women’s Studies,
Colbourn Hall, Room: 201H
http://womensstudies.cah.ucf.edu
E-mail: womenst@mail.ucf.edu
Dr. M.C. Santana, 407-823-2269

The certificate program in Women’s Studies is designed to provide students with a basic, working knowledge of gender roles and women’s issues. The certificate program is open to both degree-seeking and non degree-seeking students, but should be particularly beneficial to students in professional degree programs who will serve women and/or girls as a client population, but whose elective hours are restricted.

Certificate Admission Requirements
■ None

Certificate Requirements
■ None

Prerequisite Courses
■ None

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

**Study Abroad Programs**

http://www.studyabroad.ucf.edu

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

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

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

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

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

#### Undergraduate-Graduate Program
(B.S.A.E. / M.S.A.E. or M.S.M.E.)

**College of Engineering and Computer Science**  
Department of Mechanical, Materials, and Aerospace Engineering, Engineering, Room: 307  
http://www.mmae.ucf.edu

**E-mail:** mmaeugrad@mail.ucf.edu
Dr. Alain Kassab, kassab@mail.ucf.edu, 407-823-5778  
Ms. Waheeda Illasarie, willasar@mail.ucf.edu, 407-823-5448  
Dr. Kuo-Chi (Kurt) Lin, klin@mail.ucf.edu, 407-823-0137  
Phone: 407-823-2416

#### Admission Requirements
- See Common Program Prerequisites.
- Qualified students may apply after completion of a minimum of 64 credit hours.
- Completion of no more than 96 credit hours.
- Completion of the GRE with a highly competitive score by the end of first semester of the senior year.
- Admission is not automatic. Interested students may need to be interviewed.

#### Degree Requirements
- None

1. **UCF General Education Program (GEP)** (0 hrs)
   - See Aerospace Engineering major in catalog for GEP requirements.

#### Core Requirements

1. **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

2. **Core Requirements: Advanced Level** (54 hrs)
   - **EAS 3010** Fundamentals of Aerospace Flight 3 hrs
   - **EAS 3101** Fundamentals of Aerodynamics 3 hrs
   - **EAS 3800C** Aerospace Engineering Measurements 3 hrs
   - **EAS 3810C** Design of Aerospace Experiments 3 hrs
   - **EAS 4105** Flight Mechanics 3 hrs
   - **EAS 4124** High-Speed Aerodynamics 3 hrs
   - **EAS 4200** Flight Structures 3 hrs
   - **EAS 4210** Space Structural Dynamics 3 hrs
   - **EAS 4300** Aerothermodynamics of Propulsion Systems 3 hrs
   - **EGN 3601** Solid Mechanics 3 hrs
   - **EGN 3310** Engineering Analysis-Statics 3 hrs
   - **EGN 3321** Engineering Analysis-Dynamics 3 hrs
   - **EGN 3343** Thermodynamics 3 hrs
   - **EGN 3373** Principles of Electrical Engineering 3 hrs
   - **EMA 3706** Structure and Properties of Aerospace Materials 3 hrs
   - **EML 3034C** Modeling Methods in Mechanical and Aerospace Engineering 3 hrs
   - **EML 4312C** Feedback Control 3 hrs
   - **STA 3032** Probability and Statistics for Engineers 3 hrs

#### E: Science Foundations

- None

3. **Core Requirements: Basic Level** (2 hrs)
   - See Aerospace Engineering major in catalog for the CPP requirements.

4. **Core Requirements: Advanced Level** (54 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

- 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.

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

2. **Select 1:**
   - **EAS 4710C** Aerospace Design II or 3 hrs
   - **EGN 4413C** Interdisciplinary Design II 3 hrs

#### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

#### Total Undergraduate Hours Required
- 128

#### Total Combined Hours Required
- 146

### Honors In Major
- None

### Related Programs
- Mechanical Engineering

### Certificates
- None

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

### Advising Notes
- The baccalaureate degree will be awarded when program requirements for the BS are met and students have completed a minimum of 128 hours of credit. Students will then be reclassified as graduate students. The MSAE or MSME will be awarded on completion of the total program of study.
Accelerated Undergraduate-Graduate Programs

- 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 term.

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Shared Courses (12 hrs)
- Up to 12 credit hours of approved 5000 and 6000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either technical elective or course requirements for the major.

Contact the Graduate Coordinator in the Mechanical, Materials, and Aerospace Engineering department for a list of acceptable courses.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

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

Communication Sciences and Disorders - Accelerated Undergraduate-Graduate Program

(B.A. or B.S./M.A.)

College of Health and Public Affairs
Department of Communication Sciences and Disorders, Health and Public Affairs II, Room: 101
http://mll.cah.ucf.edu/
E-mail: comdisug@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)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)
   Prefer MGF 1106 Finite Mathematics
   3 hrs

Select 1:
   Suggested STA 2014C Principles of Statistics or STA 2023 Statistical Methods I
   3 hrs

D: Social Foundations (6 hrs)
   Suggested PSY 2012 General Psychology
   3 hrs

Select 1:
   Suggested ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics or POS 2041 American National Government
   3 hrs

E: Science Foundations (6 hrs)
   Prefer BSC 1005 Biological Principles
   3 hrs

Select one physical science

2. Common Program Prerequisites (CPP) (0 hrs)
   None

3. Core Requirements: Basic Level (0 hrs)
   None

4. Core Requirements: Advanced Level (50 hrs)
   DEP 2004 Developmental Psychology
   3 hrs
   LIN 3713 Language Science
   3 hrs
   LIN 3716 Language Development
   3 hrs
   LIN 3716L Language Development Lab
   2 hrs
   SPA 3011 Speech Science I: Production
   3 hrs
   SPA 3011L Speech Production lab
   1 hr
   SPA 3101 Physiological Bases of Speech and Hearing
   3 hrs
   SPA 3104 Neural Bases of Communication
   3 hrs
   SPA 3112 Basic Phonetics
   3 hrs
   SPA 3112L Basic Phonetics Lab
   1 hr
   SPA 3123 Speech Science II: Perception
   3 hrs
   SPA 3123L Speech Perception Lab
   1 hr
   SPA 3471 Communication Disorders in Literature and Media
   3 hrs
   SPA 4032 Audiology
   3 hrs
   SPA 4321 Audiologic Rehabilitation
   3 hrs
   SPA 4478 Multicultural Aspects of Communication Disorders & Differences
   3 hrs

Select 1:
   EAB 3703 Principles of Behavior Modification or EDC 3303 Learning Environments and Guidance for Young Children or EDF 4604 Classroom Management and Guidance of Young Children or EEX 4601 Introduction to Behavior Management or SPA 3472 Guidance of Young Children with Communication Disorders
   3 hrs

Statistics Requirement (6 hrs)

- Students have two options in completing this requirement:

Option 1: (6 hrs)
   STA 2023 Statistical Methods I and STA 4163 Statistical Methods II
   3 hrs

Option 2: (3 hrs)
   STA 2014C Principles of Statistics or STA 2023 Statistical Methods I
   3 hrs
   and
   SPA 4803 Research Methods in Communication Sciences and Disorders
   3 hrs

1 In the Accelerated Program, students may elect to enroll in SPA 6805 which replaces SPA 4803.

5. Restricted Electives (0 hrs)
   - B.A. Option: Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year in college.
   - B.S. Option: Students pursuing the B.S. degree must complete two upper division health science courses (six credit hours) approved by the Department of Communication Sciences and Disorders.
Accelerated Undergraduate-Graduate Programs

6. Capstone Requirements
- None

7. Foreign Language Requirements
Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation. American Sign Language (ASL) can be used to fulfill the foreign language admission requirement.

Graduation
- Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year. ASL I, II, and III can be used to fulfill this requirement.

8. Electives
- Select primarily from upper level courses after

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- A minimum grade of “B” in all graduate courses.
- A minimum overall GPA of 3.0 in the courses used to satisfy the major
- A passing score on the Communication Sciences and Disorders Undergraduate Competency Examination

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- Interested students should contact a faculty advisor

Related Programs
- Early Childhood Education
- Exceptional Student Education
- Health Services Administration
- Physical Therapy
- Psychology
- Social Work

Certificates
- Language Development and Disorders

Related Minors
- Aging Studies
- Communication Sciences and Disorders
- Early Childhood Education
- Exceptional Education
- Health Services Administration
- Interpersonal/Organizational Communication
- Linguistics
- Psychology

Advising Notes
- None

Transfer Notes
- “D” (1.0) grades are not accepted
- Courses taken at community college do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
- Students may take STA 2014C or STA 2023 to fulfill the first part of the statistics requirement

Acceptable Substitutes for Transfer Courses
- None

Shared Courses (18 hrs)
- SPA 6204  Articulation/Phonological Disorders  3 hrs
- SPA 6402  Preschool Language Disorders  3 hrs
- SPA 6403  School-Aged Language Disorders  3 hrs
- SPA 6410  Aphasia and Related Disorders  3 hrs
- SPA 6503C  Entry-Level Clinical Practicum  3 hrs
- SPA 6805  Research in Communicative Disorders  3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.o eas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $17.50 per term
- Full-Time Student: $35.00 per term

Computer Engineering - Accelerated Undergraduate-Graduate Program
(B.S.P.E. / M.S.P.E.)

College of Engineering and Computer Science
School of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 346
http://www.eecs.ucf.edu
Dr. Michael Georgioupolous, michaelg@eecs.ucf.edu
Ms. Traci Freund, tfreund@eecs.ucf.edu
Phone: 407-882-2313

Admission Requirements
- See Common Program Prerequisites
- Qualified students may apply after completion of a minimum of 64 credit hours
- Completion of no more than 96 credit hours
- Completion of the GRE with a highly competitive score by the end of first semester of the senior year
- Admission is not automatic. Interested students may need to be interviewed.

Degree Requirements
- None

1. UCF General Education Program (GEP) (38 hrs)
- See Computer Engineering major in the catalog for track GEP requirements.

A: Communication Foundations
B: Cultural & Historical Foundations
C: Mathematical Foundations
D: Social Foundations
E: Science Foundations

2. Common Program Prerequisites (CPP) (0 hrs)
- See Computer Engineering major in the catalog for the CPP requirements.

3. Core Requirements: Basic Level (2 hrs)
- Computer Engineering: Basic Core 2 hrs
  EGN 1006C  Introduction to the Engineering Profession  1 hr
  EGN 1007C  Engineering Concepts and Methods  1 hr

UNIVERSITY OF CENTRAL FLORIDA
Accelerated Undergraduate-Graduate Programs

4. Core Requirements: Advanced Level (54 hrs)

Courses Required for the Engineering Core
- EGN 3310 Engineering Analysis-Statics 3 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs

Select 1:
- EGN 3321 Engineering Analysis-Dynamics or 3 hrs
- EGN 3358 Thermo-Fluids-Heat Transfer 3 hrs

Courses Required for the Major (48 hrs)
- COP 3330 Object Oriented Programming 3 hrs
- COP 3502C Computer Science I 3 hrs
- COP 3503C Computer Science II 4 hrs
- COP 4331C Processes for Object-Oriented Software Development 4 hrs

Select 1:
- COP 4600 Operating Systems 3 hrs
- COT 3100C Introduction to Discrete Structures 3 hrs
- EEE 3307C Electronics I 3 hrs
- EEE 3342C Digital Systems 3 hrs

Select 2:
- EEL 3123C Networks and Systems 4 hrs
- EEL 3301C Computer Organization 3 hrs
- EEL 4742C Embedded Systems 4 hrs
- EEL 4768C Computer Architecture 4 hrs
- EEL 4781 Computer Communication Networks 3 hrs

5. Restricted Electives (9 hrs)
- Technical electives should be taken at the 5000 level and are available in the BSPE program to address specific student interests in a variety of technical areas. Students should consult with their academic advisor for identification of courses that are approved technical electives and the terms when specific courses of this type are to be offered.

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 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 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
- Computer Science
- Engineering Leadership
- Information Technology
- Intelligent Robotic Systems (IRS) - Interdisciplinary

Advising Notes
- The following will be waived for this joint degree program:
- The limit of nine hours to be shared between undergraduate and graduate programs.
- Undergraduate students taking graduate courses must be within nine hours of graduation
- Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester
- Undergraduate students are not eligible to take 6000-level courses

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Shared Courses (12 hrs)
- Up to 12 credit hours of approved 5000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either technical elective or course requirements for the major. Contact the EE/CpE Graduate Coordinator in the School of Electrical Engineering & Computer Science for acceptable courses.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

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

Computer Science - Accelerated Undergraduate-Graduate Program (B.S. / M.S.)

College of Engineering and Computer Science
School of Electrical Engineering and Computer Science
Harris Corp. Engineering Center, Room: 346
http://www.eecs.ucf.edu
Dr. Ron Dutton, dutton@eecs.ucf.edu
Traci Freund, tfreund@eecs.ucf.edu
Phone: 407-882-2313

Admission Requirements
- See Common Program Prerequisites.
- Qualified students may apply after completion of a minimum of 60 credit hours and successful completion of the Foundation Exam.
- Completion of no more than 90 credit hours.
- Completion of the GRE with a highly competitive score by the end of first semester of the senior year for continuation in the program.
- Admission is not automatic. Interested students may need to be interviewed.

Degree Requirements
- None
### Accelerated Undergraduate-Graduate Programs

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. UCF General Education Program (GEP)</td>
<td>36 hrs</td>
</tr>
<tr>
<td>- See Computer Science major in the catalog for track specific GEP requirements.</td>
<td></td>
</tr>
<tr>
<td>A: Communication Foundations</td>
<td></td>
</tr>
<tr>
<td>B: Cultural &amp; Historical Foundations</td>
<td></td>
</tr>
<tr>
<td>C: Mathematical Foundations</td>
<td></td>
</tr>
<tr>
<td>D: Social Foundations</td>
<td></td>
</tr>
<tr>
<td>E: Science Foundations</td>
<td></td>
</tr>
<tr>
<td>2. Common Program Prerequisites (CPP)</td>
<td>0 hrs</td>
</tr>
<tr>
<td>- See Computer Science major in the catalog for the CPP requirements.</td>
<td></td>
</tr>
<tr>
<td>3. Core Requirements: Basic Level</td>
<td>25 hrs</td>
</tr>
<tr>
<td>- A “C” (2.0) or better is required in all courses listed.</td>
<td></td>
</tr>
<tr>
<td>Students must maintain at least a 2.5 GPA in the following courses.</td>
<td></td>
</tr>
<tr>
<td>Only the highest grade is used in the calculation.</td>
<td></td>
</tr>
<tr>
<td>COP 4020 Programming Languages I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 4331C Processes for Object-Oriented Software Development</td>
<td>4 hrs</td>
</tr>
<tr>
<td>COP 4600 Operating Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COT 4210 Discrete Structures II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COT 4810 Topics in Computer Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 4780 Computing and Networks</td>
<td>4 hrs</td>
</tr>
<tr>
<td>4. Core Requirements: Advanced Level</td>
<td>20 hrs</td>
</tr>
<tr>
<td>- A “C” (2.0) or better is required in all courses listed.</td>
<td></td>
</tr>
<tr>
<td>Students must maintain at least a 2.5 GPA in the following courses.</td>
<td></td>
</tr>
<tr>
<td>Only the highest grade is used in the calculation.</td>
<td></td>
</tr>
<tr>
<td>COP 3103 Computer Logic and Organization</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CIS 3360 Security in Computing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 3330 Object Oriented Programming</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 3402 Systems Software</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 3502C Computer Science I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 3503C Computer Science II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>COT 3100C Introduction to Discrete Structures</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COT 3960 CS Foundation Exam</td>
<td>0 hrs</td>
</tr>
<tr>
<td>ENC 3241 Writing for the Technical Professional</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 2023 Statistical Methods I</td>
<td>GEP</td>
</tr>
<tr>
<td>5. Restricted Electives</td>
<td>15 hrs</td>
</tr>
<tr>
<td>5000 level Computer Science courses</td>
<td>9 hrs</td>
</tr>
<tr>
<td>- 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).</td>
<td></td>
</tr>
<tr>
<td>4000-5000 level mathematics or statistics</td>
<td>6 hrs</td>
</tr>
<tr>
<td>- courses from: STA, MAP, MAA, MAD, MAS prefixes and the following courses.</td>
<td></td>
</tr>
<tr>
<td>- No independent study hours, internship, or cooperative education hours are allowed.</td>
<td></td>
</tr>
<tr>
<td>MAC 2313 Calculus with Analytic Geometry III</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAP 2302 Differential Equations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAS 3105 Matrix and Linear Algebra</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAS 3106 Linear Algebra</td>
<td>4 hrs</td>
</tr>
<tr>
<td>6. Capstone Requirements</td>
<td>None</td>
</tr>
<tr>
<td>7. Foreign Language Requirements</td>
<td></td>
</tr>
<tr>
<td>Admissions</td>
<td></td>
</tr>
<tr>
<td>- Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.</td>
<td></td>
</tr>
<tr>
<td>Graduation</td>
<td></td>
</tr>
<tr>
<td>- Proficiency exam in a second language, one semester of college level Foreign Language, or 3 credits of multicultural courses approved by Computer Science.</td>
<td></td>
</tr>
<tr>
<td>8. Electives</td>
<td></td>
</tr>
<tr>
<td>- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.</td>
<td></td>
</tr>
<tr>
<td>9. Additional Requirements</td>
<td>None</td>
</tr>
<tr>
<td>10. Required Minors</td>
<td>None</td>
</tr>
<tr>
<td>11. Departmental Exit Requirements</td>
<td></td>
</tr>
<tr>
<td>- Complete an exit survey</td>
<td></td>
</tr>
<tr>
<td>- Computer Competency met by completion of major</td>
<td></td>
</tr>
<tr>
<td>12. University Minimum Exit Requirements</td>
<td></td>
</tr>
<tr>
<td>- A 2.0 UCF GPA</td>
<td></td>
</tr>
<tr>
<td>- 60 semester hours earned after CLEP awarded</td>
<td></td>
</tr>
<tr>
<td>- 48 semester hours of upper division credit completed</td>
<td></td>
</tr>
<tr>
<td>- 30 of the last 39 hours of course work must be completed in residency at UCF</td>
<td></td>
</tr>
<tr>
<td>- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.</td>
<td></td>
</tr>
<tr>
<td>- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)</td>
<td></td>
</tr>
<tr>
<td>Total Undergraduate Hours Required</td>
<td>120</td>
</tr>
<tr>
<td>Total Combined Hours Required</td>
<td>138</td>
</tr>
<tr>
<td>Honors In Major</td>
<td>None</td>
</tr>
<tr>
<td>Related Programs</td>
<td></td>
</tr>
<tr>
<td>- Computer Engineering</td>
<td></td>
</tr>
<tr>
<td>- Information Technology</td>
<td></td>
</tr>
<tr>
<td>Certificates</td>
<td>None</td>
</tr>
<tr>
<td>Related Minors</td>
<td></td>
</tr>
<tr>
<td>- Information Technology</td>
<td></td>
</tr>
<tr>
<td>- Intelligent Robotic Systems (IRS) - Interdisciplinary</td>
<td></td>
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<tr>
<td>- Interdisciplinary Informatics Technology</td>
<td></td>
</tr>
<tr>
<td>- Secure Computing and Networks</td>
<td></td>
</tr>
<tr>
<td>Advising Notes</td>
<td></td>
</tr>
<tr>
<td>- The following will be waived for this joint degree program:</td>
<td></td>
</tr>
<tr>
<td>- The limit of nine hours to be shared between undergraduate and graduate programs.</td>
<td></td>
</tr>
<tr>
<td>- Undergraduate students taking graduate courses must be within nine hours of graduation</td>
<td></td>
</tr>
<tr>
<td>- Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester</td>
<td></td>
</tr>
<tr>
<td>- Undergraduate students are not eligible to take 6000-level courses</td>
<td></td>
</tr>
<tr>
<td>Transfer Notes</td>
<td>None</td>
</tr>
<tr>
<td>Acceptable Substitutes for Transfer Courses</td>
<td>None</td>
</tr>
<tr>
<td>Shared Courses</td>
<td>12 hrs</td>
</tr>
<tr>
<td>- Up to 12 credit hours of approved 5000 or 6000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either restricted elective or course requirements for the major. Contact the Graduate Coordinator in the Computer Science department for a list of acceptable courses.</td>
<td></td>
</tr>
<tr>
<td>Program Academic Learning Compacts</td>
<td></td>
</tr>
<tr>
<td>- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:</td>
<td><a href="http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm">http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm</a></td>
</tr>
<tr>
<td>Equipment Fees</td>
<td></td>
</tr>
<tr>
<td>- Part-Time Student: $45 per term</td>
<td></td>
</tr>
<tr>
<td>- Full-Time Student: $90 per term</td>
<td></td>
</tr>
</tbody>
</table>
Accelerated Undergraduate-Graduate Programs

Economics - Accelerated Undergraduate-Graduate Program (B.A. / M.S.)

College of Business Administration
Department of Economics, Business Administration II, Room: 305

http://www.bus.ucf.edu/economics
Michael Caputo, BA2 302Q, mcaputo@bus.ucf.edu, 407-823-1405
Phone: 407-823-3266

This program is designed for highly qualified majors in Economics who would like to earn undergraduate and graduate degrees in five rather than six years of full-time course work. The program provides students with specialized training in economics within a broad liberal arts education. A minor from several other colleges can be selected according to the student's personal interests and career goals.

Admission Requirements

- Completion of the UCF General Education program or an AA degree from a Florida Public Community College
- See Common Program Prerequisites
- For admission to graduate courses, students must achieve a minimum 3.25 GPA after completion of 80 credit hours and meet the UCF graduate admission requirements as described in the Graduate Catalog.

Degree Requirements

- None

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

A: Communication Foundations (9 hrs)
- Suggested COP 1223 Introduction to Programming with C
- Prefer SPC 1608 Fundamentals of Oral Communication

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)
- Required STA 2023 Statistical Methods I

Select 1: Required MAC 2233 Concepts of Calculus or MAC 2311 Calculus with Analytic Geometry I (3 hrs)
Select 2: None

D: Social Foundations (6 hrs)

Select 1: Prefer ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics (3 hrs)
Select 2: Prefer ANT 2000 General Anthropology or PSY 2012 General Psychology or SYG 2000 Introduction to Sociology (3 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (3 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

Select 1: ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics (3 hrs)

3. Core Requirements: Basic Level (0 hrs)
- None

4. Core Requirements: Advanced Level (16 hrs)

Undergraduate Major Courses (16 hrs)
- ECO 3101 Intermediate Microeconomics
- ECO 3203 Intermediate Macroeconomics
- ECO 4451 Research Methods in Economics

Select one of the following sequences of courses:
- MAC 2311 Calculus with Analytic Geometry I and STA 4321 Statistical Theory I and STA 4322 Statistical Theory II
- MAC 2312 Calculus with Analytic Geometry II and STA 4321 Statistical Theory I and STA 4322 Statistical Theory II
- MAC 2313 Calculus with Analytic Geometry III and STA 4321 Statistical Theory I and STA 4322 Statistical Theory II
- ECO 3401 Quantitative Business Tools I and ECO 3411 Quantitative Business Tools II

5. Restricted Electives (3 hrs)
- Select any other 3000-4000 level economics course

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Two years of one foreign language in high school, or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literature or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
- Variable

9. Additional Requirements
- None

10. Required Minors
- Completion of a minor in one of the following:
- Other minors may be selected with prior approval of the Economics Undergraduate Advisor.

- Computer Science
- Environmental Studies
- History
- Mathematics
- Political Science
- Psychology
- Public Administration
- Sociology
- Statistics

11. Departmental Exit Requirements
- A minimum grade of 2.5 is required for all courses taken in the major and minor.
- Computer Competence is met by Research Methods course.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)
Accelerated Undergraduate-Graduate Programs

**Total Semester Hours Required**
- 135

**Honors In Major**
- None

**Related Programs**
- None

**Certificates**
- None

**Related Minors**
- None

**Advising Notes**
- None

**Transfer Notes**
- Grades below “C” (2.0) are not accepted
- Courses taken at community college 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

**Shared Courses (15 hrs)**
- ECO 6118 Microeconomic Theory I 3 hrs
- ECO 6206 Macroeconomic Theory I 3 hrs
- ECO 6403 Mathematical Economics 3 hrs
- ECO 6424 Econometrics I 3 hrs
- ECO 6XXX Economics 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

**Electrical Engineering - Accelerated Undergraduate-Graduate Program (B.S.E.E. / M.S.E.E.)**

**College of Engineering and Computer Science**

School of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 346

http://www.eecs.ucf.edu

Dr. Michael Georgiopoulos, michaelg@eecs.ucf.edu
Ms. Traci Freund, tfreund@eecs.ucf.edu
Phone: 407-882-2313

**Admission Requirements**
- See Common Program Prerequisites.
- Qualified students may apply after completion of a minimum of 64 credit hours.
- Completion of no more than 96 credit hours.
- Completion of the GRE with a highly competitive score by the end of first semester of the senior year.
- Admission is not automatic. Interested students may need to be interviewed.

**Degree Requirements**
- None

1. **UCF General Education Program (GEP) (38 hrs)**
   - See Electrical Engineering major in the catalog for track specific GEP requirements.
Accelerated Undergraduate-Graduate Programs

10. Required Minors
■ None

11. Departmental Exit Requirements
■ CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

12. University Minimum Exit Requirements
■ A 2.0 UCF GPA
■ 60 semester hours earned after CLEP awarded
■ 48 semester hours of upper division credit completed
■ 30 of the last 39 hours of course work must be completed in residency at UCF
■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
■ Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total 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.

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

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History - Accelerated Undergraduate-Graduate Program (B.A / M.A.)

College of Arts and Humanities
Department of History, Colbourn Hall, Room: 551
http://www.history.cah.ucf.edu/

E-mail: Graduate program: hisgrad@mail.ucf.edu
E-mail: Undergraduate program: history@mail.ucf.edu

Dr. Rosalind Beiler, 407-823-2225
Phone: 407-823-2224

Purpose of this degree - This program allows highly qualified undergraduate majors in history to begin taking graduate-level courses which will count towards their master’s degree while completing their baccalaureate degree program. Participation will enable completion of a B.A. and M.A. in a shorter period of time for students enrolled in full-time course work.

Admission Requirements
■ Students apply for admission to the accelerated program toward the end of their junior year or after 12 hours of upper-level history course work.
■ A 3.5 GPA or better in history courses and a 3.25 overall GPA or better.
■ Graduate Record Exam (GRE) combined score of 1050 on both the verbal and quantitative sections of the exam and a score of at least 550 on the verbal section.
■ Completion of a graduate application, including an essay indicating reasons for desiring to complete the accelerated program, and three letters of recommendation from History Department faculty to be submitted to the History Department.
■ Students will be formally admitted to the master’s program following receipt of the B.A. degree.

Degree Requirements
■ Students who change degree programs and select this major must adopt the most current catalog.
■ Students must earn at least a “B” (3.0) in each history course for it to be counted toward the major.
■ Co-op credit cannot be used in this major.
■ Students should consult with the departmental graduate director.
■ Department residency requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF History Department. Students may substitute up to nine hours of 5000- or 6000-level courses to meet this requirement.
■ Students must compile a portfolio of 8-12 examples of graded, written work from UCF History classes.
■ The B.A. will be awarded after completion of 36 hours of history classes.
■ The M.A. will be awarded upon completion of the program.
■ Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours (see history major requirements).

1. UCF General Education Program (GEP) (36 hrs)
■ See the History major in this catalog for track specific GEP requirements

A: Communication Foundations
B: Cultural & Historical Foundations
C: Mathematical Foundations
D: Social Foundations
E: Science Foundations

2. Common Program Prerequisites (CPP) (0 hrs)
■ See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

1 AMH 2010 U.S. History: 1492-1877
2 AMH 2020 U.S. History: 1877-Present
3. Core Requirements: Basic Level (6 hrs)
Select one of the following sequences of courses:
- EUH 2000 Western Civilization I and EUH 2001 Western Civilization II (3 hrs)
- or WOH 2012 World Civilization I and WOH 2022 World Civilization II (3 hrs)

4. Core Requirements: Advanced Level (3 hrs)
HIS 4150 History and Historians

5. Restricted Electives (21 hrs)
(Must be taken within the History Department)
Select six hours of approved history courses within three of the four geographic regions:
- Asian, African, and Middle Eastern
- British and European
- Latin American
- U.S. and Canadian
Select three hours of approved history courses
- Students may substitute nine hours of 5000- or 6000-level course work for 3000- or 4000-level courses

6. Capstone Requirements
None

7. Foreign Language Requirements
Admissions:
- Met by graduation requirement.
Graduation:
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign language may be used to meet the requirement. Majors who are participating in the accelerated program should complete two years of a foreign language, preferably one functional in their area of historical interest. Students may take the department’s M.A. foreign language proficiency exam immediately following the completion of their foreign language course work.

8. Electives
Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
Graduate Degree Requirements
- The graduate requirements listed in the Graduate Catalog take precedence over those listed below.
- Students admitted to the accelerated program may take a 5000-level course the first semester of their senior year.
- After successfully completing one 5000-level course, students will be eligible to take HIS 6159 (Historiography) and another 5000-level course or the 6000-level seminar following the 5000-level colloquium they have already completed.
- Students may substitute these nine hours of graduate-level work for 9 hours of 3000- or 4000-level undergraduate courses.
- Students need to pay fees at the graduate rate for the graduate courses they take.

Schedule for students enrolled full-time in the accelerated program:
- Students complete nine hours of graduate-level courses their senior year.
- Students enroll in at least three hours of graduate-level course work the summer after they receive their B.A.
- Students enroll in nine hours of graduate-level courses in both spring and fall semesters during their M.A. year.
- Students complete the Capstone course, pass their preliminary exams, and fulfill their foreign language requirement by the end of their first M.A. year.
- Students complete and defend a master’s thesis in six hours.

10. Required Minors
None

11. Departmental Exit Requirements
- Maintain a minimum GPA of 3.5 in upper division required courses attempted.
- Submit a portfolio during the semester of graduation. The portfolio will include representative samples of the student’s written work including, but not limited to, book critiques, in-class essay exams, and term papers.
- Students must complete at least 18 of the required 36 history hours at UCF.
- Computer competency met by completion of the major.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Undergraduate Hours Required
120

Total Combined Hours Required
147

Honors In Major
None

Related Programs
- Humanities
- Certificates
None

Related Minors
- African American Studies
- American Studies
- Asian Studies
- Judaic Studies
- Latin American Area Studies
- Middle Eastern Studies
- Women’s Studies

Advising Notes
None

Transfer Notes
Courses taken at community colleges do not substitute for upper division courses.
Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
None

Shared Courses
None

Program Academic Learning Compacts
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oes.ucf.edu/alc/academic_learning_compacts.htm
### Accelerated Undergraduate-Graduate Programs

**Industrial Engineering - Accelerated**

**Undergraduate-Graduate Program**

(B.S.I.E. / M.S.I.E.)

**College of Engineering and Computer Science**

**Department of Industrial Engineering and Management**

**Systems, Engineering II, Room: 312**

*http://www.iems.ucf.edu/*

Dr. William Thompson, wthompso@mail.ucf.edu, 407-823-2636

Phone: 407-823-2204

#### Admission Requirements

- See Common Program Prerequisites
- Qualified students may apply after completion of a minimum of 60 credit hours
- Completion of the GRE with a highly competitive score by the end of first semester of the junior year
- Admission is not automatic. Interested students may need to be interviewed

#### Degree Requirements

- **None**

1. **UCF General Education Program (GEP)** (38 hrs)
   - See Industrial Engineering major is the Catalog for track specific GEP requirements.
   - **A:** Communication Foundations (9 hrs)
   - **B:** Cultural & Historical Foundations (9 hrs)
   - **C:** Mathematical Foundations (7 hrs)
   - **D:** Social Foundations (6 hrs)
   - **E:** Science Foundations (7 hrs)

2. **Common Program Prerequisites (CPP)** (0 hrs)
   - See Industrial Engineering major is the Catalog for the CPP requirements.
   - See "Common Prerequisites" in the Transfer and Transitions section for more information.

3. **Core Requirements: Basic Level** (0 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.
     - EIN 1006C Introduction to the Engineering Profession 1 hr
     - EIN 107C Engineering Concepts and Methods 1 hr

4. **Core Requirements: Advanced Level** (58 hrs)
   - **Industrial Engineering Core:** Advanced 15 hrs
     - COP 3223 Introduction to Programming with C 3 hrs
     - EGN 3310 Engineering Analysis-Statics 3 hrs
     - EGN 3321 Engineering Analysis-Dynamics 3 hrs
     - EGN 3373 Principles of Electrical Engineering 3 hrs
     - Select 1:
       - EGN 3343 Thermodynamics or 3 hrs
       - EGN 3358 Thermodynamics and Heat Transfer 3 hrs
   - **Courses Required for the Major** 43 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.
     - EIN 3613 Engineering Economic Analysis 2 hrs
     - EIN 3000 Introduction to Industrial Engineering and Management Systems 2 hrs
     - EIN 3314C Work Measurement & Design 3 hrs
     - EIN 3354 Principles of Cost Engineering 3 hrs
     - EIN 4233C Human Engineering 3 hrs
     - EIN 4332 Production and Distribution Systems 3 hrs
     - EIN 4364C Industrial Facilities Planning and Design 3 hrs
     - EIN 4391C Manufacturing Engineering 3 hrs
     - EIN 4517 Systems Engineering 3 hrs
     - EIN 5108 The Environment of Technical Organizations 3 hrs
     - ESI 4221 Empirical Methods for Industrial Engineering 3 hrs
     - ESI 4234 Quality Engineering 3 hrs
     - ESI 4628C Industrial Engineering Applications of Computers 3 hrs
     - ESI 5306 Operations Research 3 hrs
     - ESI 5531 Discrete Systems Simulation 3 hrs
     - STA 3023 Probability and Statistics for Engineers 3 hrs

5. **Restricted Electives** (3 hrs)
   - Technical electives should be taken at the 5000 or 6000 level and are available in the BSIE program to address specific student interests in a variety of technical areas. Students should consult with their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

6. **Capstone Requirements**
   - **None**

7. **Foreign Language Requirements**
   - **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**
    - EIN 4891C Industrial Engineering Senior Design Project 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**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EIN 4391C</td>
<td>Manufacturing Engineering</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EIN 4517</td>
<td>Systems Engineering</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EIN 5108</td>
<td>The Environment of Technical Organizations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ESI 4221</td>
<td>Empirical Methods for Industrial Engineering</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ESI 4234</td>
<td>Quality Engineering</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ESI 4628C</td>
<td>Industrial Engineering Applications of Computers</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ESI 5306</td>
<td>Operations Research</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ESI 5531</td>
<td>Discrete Systems Simulation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 3023</td>
<td>Probability and Statistics for Engineers</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Total Undergraduate Hours Required**: 128

**Total Combined Hours Required**: 146

**Honors In Major**: None

**Related Programs**: None

**Certificates**: None

**Related Minors**: None

**Advising Notes**

- The following will be waived for this joint degree program:
  - The limit of nine hours to be shared between undergraduate and graduate programs.
  - Undergraduate students taking graduate courses must be within nine hours of graduation.
  - Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester.
  - Undergraduate students are not eligible to take 6000-level courses.
Accelerated Undergraduate-Graduate Programs

(415)

Mechanical Engineering - Accelerated Undergraduate-Graduate Program
(B.S. / M.S.M.E., M.S.M.S.E., or M.S.A.E.)
College of Engineering and Computer Science
Department of Mechanical, Materials, and Aerospace Engineering, Engineering, Room: 307
http://www.mmae.ucf.edu
Waheeda Illasarie, willasar@mail.ucf.edu, 407-823-5448
Dr. Alain Kassab, kassab@mail.ucf.edu
Dr. Kuo-Chi (Kurt) Lin, klin@mail.ucf.edu, 407-823-0137
Phone: 407-823-2416

Admission Requirements
- See Common Program Prerequisites.
- Qualified students may apply after completion of a minimum of 64 credit hours.
- Completion of no more than 96 credit hours.
- Completion of the GRE with a highly competitive score by the end of first semester of the senior year.
- Admission is not automatic. Interested students may need to be interviewed.

Degree Requirements
- None

1. UCF General Education Program (GEP) (38 hrs)
- See Mechanical Engineering major in the Catalog for track specific GEP requirements

A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (7 hrs)
D: Social Foundations (6 hrs)
E: Science Foundations (7 hrs)

2. Common Program Prerequisites (CPP) (19 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- See Mechanical Engineering major in the Catalog for CPP requirements.

3. Core Requirements: Basic Level (2 hrs)
- EGN 1006C Introduction to the Engineering Profession 1 hr
- EGN 1007C Engineering Concepts and Methods 1 hr

4. Core Requirements: Advanced Level (65 hrs)
- EGM 3601 Solid Mechanics 3 hrs
- EGN 3310 Engineering Analysis-Statics 3 hrs
- EGN 3321 Engineering Analysis-Dynamics 3 hrs
- EGN 3343 Thermodynamics 3 hrs
- EGN 3365 Structure and Properties of Materials 3 hrs
- EGN 3366 Structure and Properties of Materials 3 hrs
- EGN 3373 Principles of Electrical Engineering 3 hrs
- EML 3045C Modeling Methods in Mechanical and Aerospace Engineering 3 hrs
- EML 3303C Mechanical Engineering Measurements 3 hrs
- EML 3500 Machine Design and Analysis 3 hrs
- EML 3701 Fluid Mechanics I 3 hrs
- EML 4142 Heat Transfer 3 hrs
- EML 4220 Vibration Analysis 3 hrs
- EML 4312C Feedback Control 3 hrs
- EML 4535C CAD/CAM 3 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs

5. Restricted Electives (21 hrs)
- Technical electives should be taken at the 5000 or 6000 level and are available in the BSME program to address specific student interests in a variety of technical areas. Restricted electives are intended to ensure that all students have a significant design experience in both mechanical and thermofluids systems. Students should consult with their Department for a list of the approved restricted and technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None
Accelerated Undergraduate-Graduate Programs

11. Departmental Exit Requirements
- CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

Select 1:  
3 hrs  
EGN 4412C Interdisciplinary Design I or 3 hrs  
EML 4501C Engineering Design I

Select 1:  
3 hrs  
EGN 4413C Interdisciplinary Design II or 3 hrs  
EML 4502C Engineering Design II

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Undergraduate Hours Required
- 128

Total Combined Hours Required
- 146

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- The following will be waived for this joint degree program:
- The limit of nine hours to be shared between undergraduate and graduate programs.
- Undergraduate students taking graduate courses must be within nine hours of graduation
- Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester
- Undergraduate students are not eligible to take 6000-level courses

Career and Academic Advising
- The department requires all students in the program meet with a faculty member for advising on career and academic issues. These courses must be taken in sequence during the 3rd and 4th year.
  EML 3990 Mechanical Career and Academic Faculty Advising 0 hrs
  EML 4991 Mechanical Career and Academic Faculty Advising 0 hrs

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Shared Courses
- Shared B.S.M.E./M.S.M.E., M.S.M.S.E., or M.S.A.E. Up to 12 credit hours of approved 5000 and 6000 level courses with grades of "B" (3.0) or better may be counted towards the B.S. and Masters degrees. These 12 credit hours will meet either technical elective or course requirements for the major. Contact the Graduate Coordinator in the Mechanical, Materials, and Aerospace Engineering department for a list of acceptable courses.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oieas.ucf.edu/alc/academic_learning_compacts.htm

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

Molecular Biology and Microbiology - UCF/USF Accelerated Medical School (B.S.)

College of Medicine
Burnett School of Biomedical Sciences
Department of Molecular and Microbiology,
Health and Public Affairs II, Room: 335
http://www.biomed.ucf.edu
E-mail: bcbsinfo@mail.ucf.edu
Dr. P.E. Kolattukudy, Chair
Phone: 407-823-5932

Students seeking admission to University of South Florida College of Medicine [USFCOM] through the accelerated program will meet all USFCOM admission requirements and obtain a B.S. in Molecular Biology and Microbiology after completion of the first year of the medical school curriculum.

Admission Requirements
- Students must apply for this program through the Burnett Honors College prior to attending UCF. Eligibility requirements include FL residency, unweighted high school GPA of 3.7 and SAT score of 1300 or ACT of 29. More information about the admission process can be found at http://www.honors.ucf.edu and in catalog: Burnett Honors College: UCF/USF Accelerated Medical School Program.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should consult with a departmental advisor and the Burnett Honors College advisor.
- Grades below a C- (1.75) in the life sciences will not be accepted for students who decelerate.

1. UCF General Education Program (GEP) (36 hrs)
- Note: Certain courses must be selected in the GEP for this major, bringing total GEP hours to more than 36.

A: Communication Foundations (9 hrs)
- Required ENC 1101H Honors Freshman Composition I 3 hrs
- Required ENC 1102H Honors Freshman Composition II 3 hrs
- Prefer SPC 1603H Honors Fundamentals of Technical Presentation 3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (9 hrs)
- Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
- Required STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations
- Required BSC 2010C Biology I 4 hrs
- Required CHM 2045C Chemistry Fundamentals I 4 hrs

2. Common Program Prerequisites (CPP) (16 hrs)
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
  BSC 2010X Biology I GEP
  1 BSC 2011C Biology II 4 hrs
  1 CHM 2045C Chemistry Fundamentals I GEP
  CHM 2046 Chemistry Fundamentals II 3 hrs
  CHM 2046L Chemistry Fundamentals Laboratory 1 hr
  MAC 2311 Calculus with Analytic Geometry I GEP
Select one of the following sequences of courses:

**PHY 2053C** College Physics I and 4 hrs
**PHY 2054C** College Physics II 4 hrs
or
**PHY 2048C** Physics for Engineers & Scientists I and 4 hrs
**PHY 2049C** Physics for Engineers and Scientists II 4 hrs

1 See Transfer Notes for possible substitutes

### 3. Core Requirements: Basic Level (10 hrs)

**Life Sciences:** Basic
- SLS 2311C Overview of Select Medical Careers 2 hrs

**Math, Calculus and Statistics**
- MAC 2311 Calculus with Analytic Geometry I GEP
- STA 2023 Statistical Methods I GEP

**Chemistry**
- Take all of the following: 8 hrs
  - CHM 2210 Organic Chemistry I and 3 hrs
  - CHM 2211 Organic Chemistry II and 3 hrs
  - CHM 2211L Organic Laboratory Techniques I 2 hrs

### 4. Core Requirements: Advanced Level (0 hrs)

- Students must select at least two honors sections of upper division core requirements or restricted electives, and a total of four lower division courses in honors.

**Life Sciences:** Advanced 26 hrs
- BSC 3403C Quantitative Biological Methods 4 hrs
- MCB 3020C General Microbiology
- MCB 4912 Directed Independent Research 3 hrs
- MCB 4941 Internship 1 hr
- PCB 3233C Immunology Laboratory 1 hr
- PCB 3522 Molecular Biology I 3 hrs
- PCB 4239 Molecular Immunology 3 hrs
- PCB 4524 Molecular Biology II 3 hrs

**Chemistry**
- BCH 4053 Biochemistry I 3 hrs

### 5. Restricted Electives (8 hrs)

- Five restricted electives satisfied by first year medical school
- PCB 3703C Human Physiology 4 hrs
- ZOO 3733C Human Anatomy 4 hrs
- Students decelerating to the 4 year B.S. program must take the following additional courses:
  - MCB 4414 Microbial Metabolism 3 hrs
  - 4 additional Upper Division Restricted Electives listed under Molecular Biology and Microbiology B.S. (minimum) 11 hrs

### 6. Capstone Requirements

- None

### 7. Foreign Language Requirements

**Admissions**
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

**Graduation**
- None

### 8. Electives

- None

### 9. Additional Requirements

**Additional USF/UCF Advanced Requirements**
- IDH 1921H Honors Symposium II 2 hrs
- Select 1: 3 hrs
  - ENC 3241 Writing for the Technical Professional or
  - ENC 3241H Honors Writing for the Technical Professional 3 hrs

**Select 1:**
- PAF 3753H Honors Ethical Issues in Health and Public Affairs or
- PHI 4633H Honors Ethics and Biological Science 3 hrs

### 10. Required Minors

- None

### 11. Departmental Exit Requirements

- For decelerated program, the student must complete all coursework in the baccalaureate curriculum as shown, and, earn a GPA of at least 2.0 for all coursework in the Core and Restricted Electives.
- For accelerated program the degree is awarded after successful completion of first year USF Medical School program.

### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**
- 120

**Honor’s In Major**
- None

**Related Programs**
- Biology
- Interdisciplinary Studies

**Certificates**
- None

**Related Minors**
- Biology
- Chemistry

**Advising Notes**
- None

**Transfer Notes**
- None

**Acceptable Substitutes for Transfer Courses**

- Acceptable substitutes for common program prerequisites if taken prior to transferring to UCF:
  - BSC 2011C Biology I 4 hrs
  - CHM 2045C Chemistry Fundamentals I 4 hrs
  - MCB 3020C General Microbiology
  
- May be substituted with:
  - MCB 3020C
  - CHM 2045C Chemistry Fundamentals I

**Program Academic Learning Compacts**

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  - http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

**Equipment Fees**

- Part-Time Student: $39 per term
- Full-Time Student: $78 per term
Nursing - Accelerated Second Degree B.S.N. Option (B.S.N.)

College of Nursing
HPA-1, Room: 220
http://www.nursing.ucf.edu
E-mail: ucfnurse@mail.ucf.edu
Dr. Jean Leuner, Dean
Dr. Linda Hennig, Assoc. Dean Undergraduate
Ms. Patricia Leili, 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.
- All applicants must meet the prerequisite requirements. Questions regarding prerequisite requirements may be directed to the Nursing Undergraduate Student Services Office for clarification.

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.

All applicants must complete a mandatory accelerated second degree program information session, online or in person, prior to submitting the application.

Criminal background checks are required for all conditionally admitted or waitlisted students for all undergraduate nursing degrees. The results are reviewed as part of the final admission process and may be grounds for denying a student admission to the College of Nursing. Failure to disclose related information on an application may negate the application.

A standardized test and predetermined cutoff score will be required for acceptance to the College of Nursing. Information regarding this test can be found at http://www.nursing.ucf.edu.

At least seven (7) of the nine (9) common program prerequisites must be completed by the program application deadline. This includes (Chemistry with Lab, at least 2 other courses from Group A and the remainder from Groups A or B.

Chemistry with Lab

- required with grade of B- or better.

Group A

- grade of B- 92.75) or better
- Microbiology with Lab 4 hrs
- Anatomy with Lab 4 hrs
- Physiology with Lab (or A&P I, II) 4 hrs

Group B

- grade of C or better
- Sociology 3 hrs
- Psychology 3 hrs
- Developmental Psychology 3 hrs
- Human Nutrition 3 hrs
- Statistics 3 hrs

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog year, including any minors.
- Students should consult with an advisor in the College of Nursing Undergraduate Student Services Office for clarification of questions regarding prerequisite requirements.
- A minimum overall GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation and graduation from the nursing program.
- UCF Residency requirement: 30 hours (if applicable)

1. UCF General Education Program (GEP) (0 hrs)

A: Communication Foundations

B: Cultural & Historical Foundations

C: Mathematical Foundations

D: Social Foundations

E: Science Foundations

2. Common Program Prerequisites (CPP) (31 hrs)

See “Common Prerequisites” in the Transfer and Transitions Services section for more information. Any variation from the stated prerequisites must be approved in writing by the College of Nursing. Petition forms are available in the College of Nursing office.

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 1032 General Chemistry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 1032L General Chemistry Laboratory</td>
<td>1 hr</td>
</tr>
<tr>
<td>HUN 3011 Human Nutrition</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MCB 2004C Microbiology for Health Professionals</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PCB 3703C Human Physiology</td>
<td>4 hrs</td>
</tr>
<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>
<tr>
<td>ZOO 3733C Human Anatomy</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

Select 1: 3 hrs

STA 2014C Principles of Statistics or STA 2023 Statistical Methods I 3 hrs

Select 1: 3 hrs

DEP 2004 Developmental Psychology or SOW 3104 Assessing I: Human Development 3 hrs

1 science prerequisite

3. Core Requirements: Basic Level (0 hrs)

4. Core Requirements: Advanced Level (57 hrs)

Any variation from the following must be approved by the College of Nursing.

Students may petition to waive elective requirement.

NUR 3026 Essentials of Nursing Practice 2 hrs
NUR 3028L Essentials of Nursing Practice Lab 1 hr
NUR 3065 Health Assessment 2 hrs
NUR 3065L Health Assessment Lab 1 hr
NUR 3125 Pathophysiology for Nursing Practice 3 hrs
NUR 3145 Pharmacology for Nursing Practice 3 hrs
NUR 3167 Accelerated Nursing Research Seminar 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 3345 Nursing Care of Families 3 hrs
NUR 3445L Nursing Care of Families Clinical 2 hrs
NUR 3634 Community Health Nursing 3 hrs
NUR 3634L Community Health Nursing Clinical 2 hrs
NUR 3755L Essentials of Nursing Practice Clinical 2 hrs
NUR 3825 The Role of the Professional Nurse 2 hrs
NUR 4227 Nursing Care of the Adult II 4 hrs
Transfer Notes
- General Psychology (PSY X012) or any General Psychology course (3 hrs)
- General Sociology (SYG 2000) or any Intro to Sociology course (3 hrs)
- Statistics (STA 2014C or 2023)
- General Chemistry (CHM 1032 or any other comprehensive chemistry course w/lab) (4hrs)
- Human Anatomy and Physiology I & II w/lab (BSC 2093/2094) or (BSC X085/X086). This is a biological science prerequisite. (6-8 hrs)
- General Microbiology (MCB 3020C) (MCB X010C) w/lab or any Microbiology course w/lab. This is a biological science prerequisite. (4 hrs)
- Developmental Psychology (DEP 2004) or any Human Growth & Development Across Life Span course (3 hrs)
- Human Nutrition with Therapeutic Nutrition course (3 hrs)

Acceptable Substitutes for Transfer Courses
None

Shared Courses
None

Program Academic Learning Compacts
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $25 per term
- Full-Time Student: $50 per term

Nursing - R.N. to M.S.N. Option (B.S.N. / M.S.N.)

College of Nursing
HPA-1, Room: 220
http://www.nursing.ucf.edu/
E-mail: ucfnurse@mail.ucf.edu
Ms. Barbara Lange, RN to MSN Coordinator
Dr. Jean Leuner, Dean
Dr. Linda Hennig, Assoc. Dean Undergraduate
Dr. Susan Chase, Assoc. Dean Graduate
Phone: 407-823-2744

An accelerated program for students who hold an RN license and meet general education requirements, nursing pre-requisites, and required GPA.

Available for the following tracks in the graduate program: Nursing Leadership and Management, Clinical Nurse Leader, and Nurse Educator. Nine (9) graduate credit hours may be applied meeting requirements of both BSN and MSN programs.

Admission Requirements
- Acceptance to the university does not constitute admission to the RN-MSN program. Separate application to this limited access program must be made. Contact the College of Nursing or visit our website at http://www.nursing.ucf.edu for application materials.

All applicants must meet the following criteria:
- Graduate of a state-approved or accredited associate degree or diploma nursing program
- Licensure as a Registered Nurse (RN)
- Completion of UCF general education requirements or an AA degree from a Florida community or state college, including CLAS (or exempt)
- Completion of prerequisites for the RN to BSN program
- Minimum cumulative GPA of 3.0. (all prior college coursework)
- Admitted to UCF undergraduate program
Accelerated Undergraduate-Graduate Programs

- Two professional references addressing qualifications and ability to succeed in graduate school
- Resume
- Letter of Intent/Goal statement
- Criminal background checks are required for all conditionally admitted or waitlisted students for all undergraduate nursing degrees. The results are reviewed 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.

Interim Requirements:
- Maintain a Nursing GPA of 3.0

Admission Requirements for Graduate Program
Phase:
- These requirements should be met one semester before the BSN is awarded.
- Application to and acceptance by UCF Graduate Studies (see Graduate Studies Web site for deadlines)
- Completion of all UCF College of Nursing coursework to date with a minimum GPA of 3.0
- An updated resume

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog year, including minors.
- Students should consult with a college advisor or community college AA transfer advisor regarding completion of General Education requirements and the Common Program Prerequisites.
- Students should consult with an advisor in the College of Nursing Undergraduate Student Services Office for clarification of questions regarding prerequisite requirements.
- The courses designated in sections 1 and 2 below may be taken at a Florida Community or State College or other universities
- UCF Residency Requirement: 30 hours
- The BSN is awarded after completion of 120 hours including 30 hours of specified program requirements
- The MSN is awarded after program completion
- The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should be completed in the first 60 hours
- An individualized plan of study is developed for each student admitted to the RN to MSN option.

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

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1508 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Prefer MAC 1105 College Algebra 3 hrs
- Required STA 2014C Principles of Statistics 3 hrs

C: Mathematical Foundations (6 hrs)
- Prefer MAC 1105 College Algebra 3 hrs
- Required STA 2014C Principles of Statistics 3 hrs

D: Social Foundations (6 hrs)
- Select 1: 3 hrs
  1 Required PSY 2012 General Psychology or
  1 Required SYG 2000 Introduction to Sociology 3 hrs
- Select 1: 3 hrs
  1 Required ECO 2033 Principles of Macroeconomics or
  1 Required ECO 2023 Principles of Microeconomics or
  1 Required POS 2041 American National Government 3 hrs

1 One of these courses is required to meet General Education requirements, but BOTH are required nursing program prerequisites.

E: Science Foundations (6 hrs)
- Required BSC 2010C Biology I 4 hrs
- Required CHM 1032 General Chemistry 3 hrs
- Required CHM 1032L General Chemistry Laboratory 1 hr

1 Science Foundation is 6 credit hours for General Education Program; however the nursing program prerequisite requires 4 CHM credits. To earn this, the student must also take the CHM 1032 lab or its equivalent. This BSC course is needed as a course prerequisite for Anatomy and Physiology and Health Microbiology.

2. Common Program Prerequisites (CPP) (22 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- CHM 1032 General Chemistry GEP
- CHM 1032L General Chemistry Laboratory 1 hr
- HUN 3011 Human Nutrition 3 hrs
- MCB 2004C Microbiology for Health Professionals 4 hrs
- PCB 2070C Human Physiology 4 hrs
- PSY 2012 General Psychology GEP
- SYG 2000 Introduction to Sociology 3 hrs
- ZDO 3753C Human Anatomy 4 hrs

Select 1: 3 hrs
- STA 2014C Principles of Statistics or
- STA 2023 Statistical Methods I GEP

Select 1: 3 hrs
- DEP 2004 Developmental Psychology or
- SOW 3104 Assessing I: Human Development 3 hrs

1 Also meets General Education Requirements; applicants should see a UCF Nursing Advisor for possible course substitutions.
2 May take Anatomy and Physiology sequence of six-eight total credits.

3. Core Requirements: Basic Level (0 hrs)
- None

4. Core Requirements: Advanced Level (30 hrs)
- NUR 3155 Nursing Research 3 hrs
- NUR 3634 Community Health Nursing 3 hrs
- NUR 3805 Dimensions of Professional Nursing Practice 3 hrs
- NUR 4604L Practicum in Community and Public Health 4 hrs
- NUR 4637 Public Health Nursing 2 hrs
- NUR 4838 Nursing Leadership, Management and Role Transition 3 hrs

NURSE EDUCATOR / CLINICAL NURSE LEADER 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 5141 Pathophysiological Bases for Advanced Nursing Practice and 3 hrs
  - NUR 5638 Health Promotion and 3 hrs
  - NUR 4828 Nursing Leadership, Management and Role Transition 3 hrs

NURSING LEADERSHIP & MANAGEMENT TRACK
- Take the following 12 credits (nine graduate credits also applied to MSN)
  - NUR 5720 Organizational Dynamics and 3 hrs
  - NUR 5800 Theory for Advanced Practice Nursing and 3 hrs
  - NGR 5871 Health Care Informatics and 3 hrs
  - NUR 3065 Health Assessment and 2 hrs
  - NUR 3065L Health Assessment Lab 1 hr

5. Restricted Electives (27 hrs)

Upper Division Credit
- May be met by validation
  - NUR 3278 Essentials of Nursing Practice 2 hrs
  - NUR 3278L Essentials of Nursing Practice Lab 1 hr
  - NUR 3225L Nursing Care of the Adult I 3 hrs
  - NUR 3225L Nursing Care of the Adult I: Clinical Practice 2 hrs
  - NUR 3445 Nursing Care of Families 3 hrs
  - NUR 3445L Nursing Care of Families Clinical 2 hrs
  - NUR 3755L Essentials of Nursing Practice Clinical 2 hrs
  - NUR 4227 Nursing Care of the Adult II 4 hrs
  - NUR 4227L Nursing Care of the Adult II: Clinical Practice 3 hrs
Accelerated Undergraduate-Graduate Programs

NUR 4535  Psychiatric Mental Health Nursing  3 hrs
NUR 4535L Psychiatric Mental Health Clinical  2 hrs

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam).

Graduation
- None

8. Electives
- Variable to meet degree requirements.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Completion of all courses in major with a grade of “B” (3.0) or better
- Cumulative GPA of 2.5 or above
- College of Nursing GPA of 2.5 or above

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Health Services Administration

Certificates
- Aging Studies

Related Minors
- Health Sciences
- Health Services Administration
- Psychology

Advising Notes
- None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Shared Courses
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.o eas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $25 per term
- Full-Time Student: $50 per term
STATEWIDE ARTICULATED A.S. TO B.S. PROGRAMS

The University offers five specialized degree programs for students who have graduated from a Florida Community College with an A.S. degree in one of the following five programs: Applied Science, Criminal Justice Technology, Business Administration, Hospitality Management, and Nursing.

Students who wish to transfer to UCF under the provisions of the 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 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." or select the appropriate major on the on-line application, designating their desire to participate in the articulation agreement.

5. Students have the option of completing the state approved general education program at a Florida Community or State College or State University and must request an official transcript with "general education requirements met" on the transcript to be sent to the UCF Registrar prior to the student's graduating term from the University of Central Florida. Students who 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.

Applied Science - A.S. to B.S. Track (B.A.S.)
Office of Undergraduate Studies
Office of Interdisciplinary Studies,
12201 Research Parkway, Room: Suite 101
http://www.regionalcampuses.ucf.edu/
Helen Hill, Director of Regional Campuses, 407-823-4547

The Bachelor of Applied Science, available at selected sites, provides baccalaureate educational opportunities with a curriculum designed to develop competencies in organizational skills, management, and communication. Emphasis will also be placed on the development of skills in critical thinking, problem solving, and ethical decision-making.

Students are allowed to take lower level, general education classes at the campus in Orlando if necessary. Students have the option of completing the state approved general education program at a Florida state or community college or state university and must request an official transcript with "general education requirements met" on the transcript and sent to the UCF Registrar prior to the student's graduating term from the University of Central Florida. Students who choose to complete their general education program at UCF must meet all of UCF's current course requirements. Students may not be transient in their last 30 of 36 hours at UCF.

If students wish to take an upper division course at the main Orlando campus, they should see a Regional Campus academic advisor. This will be allowed only on a very limited basis and under highly extenuating circumstances. If you have any questions regarding this policy or procedure, please contact the Director of Regional Campuses Advising at 407-823-4547.

Completion program only for individuals who have a statewide articulated A.S. from a Florida public state or community college.

Admission Requirements

- Completion of an A.S. degree from a Florida public state or community college which included at least 15 hours of transferable general education courses. Other applicants will be given individual review.

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students should maintain contact with an academic advisor to guarantee timely completion of all requirements including CLAS, Gordon Rule, Foreign Language Admission and General Education.

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

- Students will complete their remaining General Education courses after admission to UCF. The remaining courses will be determined in consideration of General Education courses completed as part of the articulated A.S. and will come from the following areas:

  A: Communication Foundations (9 hrs)
  B: Cultural & Historical Foundations (9 hrs)
  C: Mathematical Foundations (6 hrs)
  D: Social Foundations (6 hrs)
  E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (0 hrs)

- None

3. Core Requirements: Basic Level (10 hrs)

- MAN 3025 Management of Organizations (4 hrs)
- Select 1: BUL 3130 Legal and Ethical Environment of Business (4 hrs)
- FLA 3014 Law and the Legal System (3 hrs)
- Select 1: ENC 3241 Writing for the Technical Professional (3 hrs)
- ENC 3250 Professional Writing (3 hrs)

4. Core Requirements: Advanced Level (0 hrs)

- None

5. Restricted Electives (0 hrs)

- Area of Concentration (Choose one)
- All tracks are not available at all locations.

Applicants who qualify for this program are not guaranteed admission to the limited access programs in Nursing or programs that require specific grades in particular courses for admission.

Students should consult with their community or state college advisor when pursuing one of these programs to make sure they have met all of the appropriate requirements for the degree, including the necessary General Education courses and common program prerequisites. Students are still required to complete all of the components of the Gordon Rule and CLAS prior to graduation from UCF. Students may be required to complete all common program prerequisites for these majors prior to enrollment in upper division course work. The total hours required for the General Education Program (GEP) will be 36 hours, excluding any necessary remediation.

Students admitted into these programs must meet the requirements as stated in the programs listed below. Students who change majors out of these programs must adopt the requirements of the most current catalog for the selected major, including the required UCF General Education Program.

Questions concerning the requirements of these majors should be referred to the appropriate academic department, Regional Campuses Director of Advising (407) 823-1509, or the Director of Transfer and Transition Services, (407) 823-2231.

Undergraduate Catalog 2010-2011

UNIVERSITY OF CENTRAL FLORIDA
### Supervision and Administration Track

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACG 3082 Accounting For Non-Business Majors and</td>
<td>3</td>
</tr>
<tr>
<td>INP 3004 Industrial/Organizational Psychology and</td>
<td>3</td>
</tr>
<tr>
<td>ISM 3011C Essentials of Management Information Systems and</td>
<td>4</td>
</tr>
<tr>
<td>MAN 3302 Essentials of Human Resource Management for Non-Business Majors and</td>
<td>3</td>
</tr>
<tr>
<td>MAN 3354 Employee Training for Non-Business Majors and</td>
<td>3</td>
</tr>
<tr>
<td>MAR 3023 Marketing</td>
<td>4</td>
</tr>
</tbody>
</table>

#### Industrial Operations Track
- **Take all of the following:**
  - PLA 3277 The Law of Torts
  - PLA 3205 Civil Practice and Procedure
  - PLA 3155 Legal Writing
-  **Select 4:** 12 hrs
  - PLA 3108 Law and the Legal System and
  - PLA 3104 Law and the Legal System and
  - CFI 393A Civil Practice and Procedure
- Six additional hours of CCJ, CJC, CJE, CJL, or CJT courses, selected with the aid of an academic advisor

### Legal Studies Track

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLA 3014 Law and the Legal System and</td>
<td>3</td>
</tr>
<tr>
<td>PLA 3108 Legal Research</td>
<td>3</td>
</tr>
<tr>
<td><strong>Select 4:</strong></td>
<td>12 hrs</td>
</tr>
<tr>
<td>PLA 3155 Legal Writing or</td>
<td>3</td>
</tr>
<tr>
<td>PLA 3205 Civil Practice and Procedure or</td>
<td>3</td>
</tr>
<tr>
<td>PLA 3277 The Law of Torts</td>
<td>3</td>
</tr>
<tr>
<td>PLA 3309 Criminal Procedure or</td>
<td>3</td>
</tr>
<tr>
<td>PLA 4424 The Law of Contracts or</td>
<td>3</td>
</tr>
<tr>
<td>PLA 4703 Professional Ethics and Liability</td>
<td>3</td>
</tr>
</tbody>
</table>

### Health Services Administration

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HSA 3111 U.S. Health Care Systems and</td>
<td>3</td>
</tr>
<tr>
<td>HSA 4180 Organization &amp; Management for Health Agencies I and</td>
<td>3</td>
</tr>
<tr>
<td>HSA 4191 Health Care Automation and</td>
<td>3</td>
</tr>
<tr>
<td>HSC 4201 Community Health and</td>
<td>3</td>
</tr>
<tr>
<td>HSC 4500 Epidemiology</td>
<td>3</td>
</tr>
<tr>
<td><strong>Select 1:</strong></td>
<td>3 hrs</td>
</tr>
<tr>
<td>HIM 4508C Quality Management or</td>
<td>3</td>
</tr>
<tr>
<td>HSA 4109 Principles of Managed Care or</td>
<td>3</td>
</tr>
<tr>
<td>HSA 4502 Risk Management Systems or</td>
<td>3</td>
</tr>
<tr>
<td>HSC 4702 Health Sciences Research Methods or</td>
<td>3</td>
</tr>
<tr>
<td>HSC 4652 Health Law and Ethics</td>
<td>3</td>
</tr>
</tbody>
</table>

1. HSA 3111 is a prerequisite for all of the following classes
2. PR: CGS 2100C
3. PR: STA 2014C or STA 2023

### Information Technology Track

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLA 4424 The Law of Contracts or</td>
<td>3</td>
</tr>
<tr>
<td>PLA 3309 Criminal Procedure or</td>
<td>3</td>
</tr>
<tr>
<td>PLA 3314 Operations Management for Technologists</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Criminal Justice Track

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CCJ 3014 Crime in America</td>
<td>3</td>
</tr>
<tr>
<td>CCJ 3024 Criminal Justice System</td>
<td>3</td>
</tr>
<tr>
<td><strong>Select 2:</strong></td>
<td>6 hrs</td>
</tr>
<tr>
<td>CCJ 3010 Corrections and Penology or</td>
<td>3</td>
</tr>
<tr>
<td>CJC 4014 Police and Society or</td>
<td>3</td>
</tr>
<tr>
<td>C JL 3510 Prosecution and Adjudication</td>
<td>3</td>
</tr>
</tbody>
</table>

### Early Childhood Education Track

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CET 4663 Computer and Network Security and</td>
<td>3</td>
</tr>
<tr>
<td>CET 4749 Wide Area Networks II and</td>
<td>3</td>
</tr>
<tr>
<td>EEC 3700 Social and Emotional Development of Young Children and</td>
<td>3</td>
</tr>
<tr>
<td>EEC 4268 Curriculum Activities in Early Childhood and Guidance of Young Children and</td>
<td>3</td>
</tr>
<tr>
<td>EEX 3450 Young Children With Special Needs and</td>
<td>3</td>
</tr>
<tr>
<td>EEX 4751 Parent Involvement in Education and</td>
<td>3</td>
</tr>
<tr>
<td>RED 3310 Early Reading, Writing and Language Arts and</td>
<td>3</td>
</tr>
<tr>
<td>TSL 4080 Theory and Practice of Teaching ESOL</td>
<td>3</td>
</tr>
</tbody>
</table>

1. PR: EEC 3700

### 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

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**UNIVERSITY OF CENTRAL FLORIDA**

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Statewide Articulated A.S. To B.S. Programs

Certificates
- None

Related Minors
- None

Advising Notes
- None

Transfer Notes
- Students have the option of completing the state approved general education program at a Florida state or community college or state university and must request an official transcript with “general education requirements met” on the transcript to be sent to the UCF Registrar prior to the student’s graduating term from the University of Central Florida. Students who choose to complete their general education program at UCF must meet all of UCF’s current course requirements. Students may not be transient in their last 30 of 36 hours at UCF.
- Courses taken at community colleges do not substitute for upper division courses.
- Orientation and advising are two of the most valuable tools that a student can use when transferring to UCF. Students should take advantage of both.
- All students seeking a baccalaureate degree from State of Florida Institution are required to satisfy the CLAS requirement. Transfer students with more than 60 semester hours who have not met the CLAS requirement may be admitted, but they must satisfy the CLAS requirement during their first semester at UCF.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oecs.ucf.edu/alc/academic_learning_compacts.htm

Criminal Justice - A.S. to B.S. Track (B.S.)

College of Health and Public Affairs
Department of Criminal Justice and Legal Studies,
Health and Public Affairs, Room: 311
http://www.cohipa.ucf.edu/crim.jus/
E-mail: cjadvise@mail.ucf.edu
Mary Ann Eastep
Phone: 407-823-2603

A.S. to B.S. Track (Completion program only for individuals who have a statewide articulated A.S. from a Florida public state or community college)

Admission Requirements
- Completion of a Statewide Articulated A.S. in Criminal Justice from a Florida public state or community college which is composed of 64 hours of course work, including at least 18 hours of transferable general education courses

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog
- The courses designated in section 1 below may be taken at a Florida community college
- Students must earn a minimum of 2.0 GPA in the core requirements and the restricted electives

1. UCF General Education Program (GEP) (36 hrs)
- Students will complete 18 hours of selected General Education courses. The specific courses will be determined in coordination with General Education courses completed as part of the articulated A.S. and come from the following areas:

A: Communication Foundations
B: Cultural & Historical Foundations
C: Mathematical Foundations
D: Social Foundations
E: Science Foundations

2. Common Program Prerequisites (CPP) (0 hrs)
- Completed as part of the approved A.S. program
- See “Common Prerequisites” in the Transfer and Transition Services section.

3. Core Requirements: Basic Level (0 hrs)
- None

4. Core Requirements: Advanced Level (18 hrs)
- CCJ 3014 Crime in America 3 hrs
- CCJ 3024 Criminal Justice System 3 hrs
- CCJ 4701 Research Methods in Criminal Justice 3 hrs
- CCJ 3010 Corrections and Penology 3 hrs
- CJE 4014 Police and Society 3 hrs
- CCL 3510 Prosecution and Adjudication 3 hrs

5. Restricted Electives (30 hrs)
- 27 additional semester hours of upper division CCJ course work. Seniors can satisfy up to six hours of this requirement with internship and up to six hours with directed independent study; however, the combination of these non-class options shall not exceed nine hours. Program standards must be met to be eligible for either internship or independent study credit.
- 3 additional semester hours of supporting courses to be selected with and approved by the student’s advisor. These courses may vary from student to student depending upon individual needs or objectives, but include selected courses from public administration, legal studies, sociology, statistics, and psychology

6. Capstone Requirements
- None

7. Foreign Language Requirements
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Students must take a minimum of 36 hours from the department to obtain the UCF degree in Criminal Justice

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 130
Statewide Articulated A.S. To B.S. Programs

General Business - A.S. to B.S. Track (B.S.B.A.)
College of Business Administration
Department of Management,
Business Administration II, Room: 101
http://www.bus.ucf.edu/
Phone: 407-823-2184

Completion program only for individuals who have statewide articulated A.S. from a Florida public state or community college.

Admission Requirements
- Completion of a Statewide Articulated A.S. in Business Administration from a Florida public state or community college which is composed of 64 hours of course work, including at least 24 hours of transferable General Education courses.

Degree Requirements
- Must complete the Gordon Rule and CLAS requirements prior to admission to this degree.
- Students who change degree programs and select another major must adopt the most current catalog.
- Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.
- Students wanting to major in General Business must apply for admission to the major.
- Final exams will be given during Exam Week.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Students must have at least a 2.0 GPA in the major and COB. Students majoring in General Business must earn a grade of “C” (2.0) or better in each course applied toward the major.

1. UCF General Education Program (GEP) (12 hrs)
- Students will complete 12 hours of selected General Education courses. The specific courses will be determined in coordination with General Education courses completed as part of the articulated A.S. and may come from the following areas:

2. Core Requirements: Basic Level (0 hrs)
- None

3. 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 I 4 hrs
  - FIN 3403 Business Finance 4 hrs
  - GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
  - GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
  - GEB 3375 Introduction to International Business 4 hrs
  - ISM 3011C Essentials of Management Information Systems 4 hrs
  - MAN 3025 Management of Organizations 4 hrs
  - MAR 3023 Marketing 4 hrs

5. Restricted Electives (15 hrs)
- Students must take one course from each of the following areas. These five courses are restricted to the courses listed below.
- At least two of the following courses must be at the 4000 level.

   A: Communication Foundations
   - Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

   B: Cultural & Historical Foundations

   C: Mathematical Foundations

   D: Social Foundations

   E: Science Foundations

2. Common Program Prerequisites (CPP) (18 hrs)
- Must be completed with a “C” (2.0) or better.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

   ACG 2021 Principles of Financial Accounting 3 hrs
   ACG 2071 Principles of Managerial Accounting 3 hrs
   CGS 2100C Computer Fundamentals for Business 3 hrs
   ECO 2013 Principles of Macroeconomics 3 hrs
   ECO 2023 Principles of Microeconomics 3 hrs

Select one of the following sequences of courses:
- Students must complete both MAC 2233 and STA 2023 with a “C” (2.0) or better to be waived from ECO 3401.

   ECO 3401 Quantitative Business Tools I 3 hrs

or

   MAC 2233 Concepts of Calculus and
   STA 2023 Statistical Methods I 3 hrs

3. Core Requirements: Basic Level (0 hrs)
- None

4. Core Requirements: Advanced Level (32 hrs)
- First of subsequent semester in the College of Business Administration:
  - ECO 2023 Principles of Managerial Accounting 3 hrs
  - FIN 3414 Intermediate Corporate Finance 3 hrs
  - GEB 3303 Management of Human Resources 3 hrs
  - GEB 4435 Conflict Resolution and Negotiation 3 hrs
  - ISM 3011C Essentials of Management Information Systems 4 hrs
  - MAN 3025 Management of Organizations 4 hrs
  - MAR 3023 Marketing 4 hrs

5. Restricted Electives (15 hrs)
- Students must take one course from each of the following areas. These five courses are restricted to the courses listed below.
- At least two of the following courses must be at the 4000 level.

   Finance
   - FIN 3303 Financial Markets or 3 hrs
   - FIN 3414 Intermediate Corporate Finance or 3 hrs
   - FIN 3504 Investment Analysis 3 hrs

   Management
   - GEB 3113 How to Start a Business or 3 hrs
   - GEB 4435 Moral Foundations of Business or 3 hrs
   - MAN 3301 Management of Human Resources or 3 hrs
   - MAN 4240 Organizations: Theory and Behavior or 3 hrs
   - MAN 4441 Conflict Resolution and Negotiation 3 hrs

   Management Information Systems (MIS)
   - ISM 3253 MIS Techniques or 4 hrs
   - ISM 4153 Enterprise Information Systems or 3 hrs
   - ISM 4154 Enterprise Application Development 3 hrs

   Marketing
   - MAR 3403 Sales Force Management or 3 hrs
   - MAR 3613 Marketing Analysis and Research or 3 hrs
   - MAR 4156 International Marketing or 3 hrs
   - MAR 4841 Services Marketing 3 hrs

   Public Administration
   - BS 4242 Telecommunications Management 3 hrs
   - BS 4361E E-Commerce and Online Business 3 hrs
   - BS 4681 Advertising 3 hrs
   - BS 4711 Management of Trade and Distribution 3 hrs
   - BS 4786 International Trade 3 hrs

   Legal Studies
   - BUL 3130 Legal and Ethical Environment of Business 4 hrs
   - GEB 3375 Introduction to International Business 4 hrs
   - ISM 3011C Essentials of Management Information Systems 4 hrs
   - ISM 4153 Enterprise Information Systems or 3 hrs
   - ISM 4154 Enterprise Application Development 3 hrs

   Related Minors
   - Legal Studies
   - Psychology
   - Public Administration

   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

   Advising Notes
   - None

   Transfer Notes
   - None

   Honors In Major
   - None

   Related Programs
   - Legal Studies

   Certificates
   - None

   Related Minors
   - Legal Studies
   - Psychology
   - Public Administration
Statewide Articulated A.S. To B.S. Programs

Economics 9 hrs
- 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 should be taken in the graduating term and requires the following prerequisites:
- FIN 3403C Business Finance 4 hrs
- GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
- MAN 3025 Management of Organizations 4 hrs
- MAR 3023 Marketing 4 hrs

7. Foreign Language Requirements
Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- Must be outside of the College of Business (variable)

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- None

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 132

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- Florida Public Community College students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

Transfer Notes
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of “C” (2.0) or higher transfer into the program and students must have a “C”(2.0) or better in each common program prerequisites class.
- ACG X001 and X011 will substitute for ACG 2021 at UCF

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/aic/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 state or community college which is composed of 64 hours of course work, including at least 18 hours of transferable general education courses. Course work will be comprised of 18 hours of general education and 42 hours of upper division hospitality management course work as determined by an individual plan of study. Below is a sample plan of study

Degree Requirements
- None

1. UCF General Education Program (GEP) (18 hrs)
- Students will complete 18 hours of selected General Education courses. The specific courses will be determined in coordination with General Education courses completed as part of the articulated A.S. and come from the following areas:

A: Communication Foundations
B: Cultural & Historical Foundations
C: Mathematical Foundations
Management Specialized Tracks offered by the Rosen College of Hospitality Services section for more information.

2. Common Program Prerequisites (CPP) (3 hrs)
- See “Common Prerequisites” in the Transfer and Transitions section for more information.

3. Core Requirements: Basic Level (3 hrs)
- MAC 1105 College Algebra 3 hrs

Select 1:
- CGS 2100C Computer Fundamentals for Business or STA 2023 Statistical Methods I GEP

Select 1:
- ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics GEP

4. Core Requirements: Advanced Level (27 hrs)
- Hospitality Management Core 27 hrs
  - HFT 3431 Hospitality Industry Managerial Accounting 3 hrs
  - HFT 3540 Guest Services Management I 3 hrs
  - HFT 4285 Hospitality Communications 3 hrs
  - HFT 4295 Leadership and Strategic Management in Hospitality Industry 3 hrs
  - HFT 4464 Hospitality Industry Finance 3 hrs
  - HFT 4941 Internship 1 hr
  - HFT 4944 Practicum 1 hr

Select 3
- HFT 3263 Restaurant Management or 3 hrs
- HFT 3273 Principles of Resort Timesharing or 3 hrs
- HFT 3700 Tourism Management or 3 hrs
- HFT 4277 Yacht, Country, And City Club Management or 3 hrs
- HFT 4755 Theme Park and Attraction Management 3 hrs

Guest Lecture
- HFT 3933 Distinguished Lectures in Hospitality Management 1 hr

1. See Program Advisor for Options

5. Restricted Electives (15 hrs)
- Students should select one of the following options to fulfill their restricted electives requirement:
  - Restricted Electives 15 hrs
    - Students must take 15 credit hours (five courses) of Hospitality Management courses in the restricted electives of the other two degree programs (Restaurant and Foodservice Management B.S. and/or Event Management B.S.) offered by the Rosen College.
    - Please note: No more than three courses (nine credit hours) may be taken from the restricted electives of either one of these two other degree programs of the Rosen College of Hospitality Management.

Specialized Tracks 15 hrs
- Or students must complete one of the following Hospitality Management Specialized Tracks offered by the Rosen College as outlined below to satisfy the restricted elective requirement.

Theme Park and Attraction Mgmt Track 15 hrs
- HFT 3784 Amusement Technology or 3 hrs
- HFT 4532 Managing the Employee Experience in the Theme Park and Attraction Industry or 3 hrs
- HFT 4614 Risk Management in Theme Parks and Attractions or 3 hrs
- HFT 4758 Contemporary Issues in the Theme Park and Attraction Industry 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 1350 Career & Promotional Development in Golf or 3 hrs
- HFT 1356 Concepts and Practices of Golf Associations or 3 hrs
- HFT 2359 Design & Maintenance of Golf Equipment or 3 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 Event Operations or 3 hrs
- HFT 3384 Golf and Club Enterprises Management or 3 hrs
- HFT 4358 Golf Course 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 residency at UCF
- A 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 state or 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.
Statewide Articulated A.S. To B.S. Programs

- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Rosen College of Hospitality Management.
- A minimum of 30 semester hours must be completed at UCF within the Hospitality major.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Students should take advantage of both.

Acceptable Substitutes for Transfer Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 2401</td>
<td>Hospitality Industry Financial Accounting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 2401</td>
<td>Hospitality Industry Financial Accounting</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Plan of Study

- None

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: $37.50 per term
- Full-Time Student: $75 per term

Nursing - A.S. to B.S.N. Track (B.S.N.)

College of Nursing
HPA-1, Room: 220

http://www.nursing.ucf.edu
E-mail: ucfnurse@mail.ucf.edu
Dr. Jean Leuner, Dean
Dr. Linda Hennig, Associate Dean
Ms. Barbara Lange, RN-BSN Coordinator
Phone: 407-823-2744

Completion program only for individuals who have a statewide articulated A.S. in Nursing from a Florida state or public community college. (12/2000 or later)

Admission Requirements

- Acceptance to the university does not constitute admission to the upper division nursing program. Separate application to the limited access program must be made directly to the College of Nursing. All applicants must have:
- A minimum overall undergraduate GPA of 2.5
- Completion of a Statewide Articulated AS in Nursing from a Florida public state or community college which is composed of 72 hours of course work, including at least 18 hours of transferable General Education courses (graduation 12/00 or later). Individuals who received AS prior to 12/00 or attended school other than a Florida public community or state college should follow section “B” - RN to BSN Program
- Current RN License or license eligible
- Criminal background checks are required for all conditionally admitted or waitlisted students for all undergraduate nursing degrees. The results are reviewed as part of the final admission process and may be grounds for denying a student admission to the College of Nursing. Failure to disclose related information on an application may negate the application.

Degree Requirements

- Completion of all common program prerequisite courses with at least a grade of “C” (2.0) or better in each course
- Students should consult with an advisor in the College of Nursing Undergraduate Student Services Office for questions regarding prerequisite requirements
- The courses designated in sections 1 and 2 below may be taken at a Florida community or state college or other universities and should usually be completed in the first 60 hours

- A minimum overall undergraduate GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation in and graduation from the nursing program
- UCF Residency Requirement: 32 hours

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

- Students will complete 18 hours of selected General Education courses as part of the articulated AS. The specific courses will be determined in coordination with 18 hours of General Education courses completed. Student must complete remaining General Education courses, prerequisites, and foreign language admission requirements prior to NUR 3634 Community Health Nursing. Students completing the General Education requirements at a Florida community college must complete those courses prior to their last 30 hours at UCF.

A: Communication Foundations (9 hrs)

<table>
<thead>
<tr>
<th>Required</th>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>Composition I</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>Composition II</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPC 1608</td>
<td>Fundamentals of Oral Communication</td>
<td>3 hrs</td>
<td></td>
</tr>
</tbody>
</table>

B: Cultural & Historical Foundations (9 hrs)

<table>
<thead>
<tr>
<th>Required</th>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 2014C</td>
<td>Principles of Statistics</td>
<td>3 hrs</td>
<td></td>
</tr>
</tbody>
</table>

C: Mathematical Foundations (6 hrs)

<table>
<thead>
<tr>
<th>Required</th>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 2014C</td>
<td>Principles of Statistics</td>
<td>3 hrs</td>
<td></td>
</tr>
</tbody>
</table>

D: Social Foundations (6 hrs)

<table>
<thead>
<tr>
<th>Required</th>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
<td>3 hrs</td>
<td></td>
</tr>
</tbody>
</table>

E: Science Foundations (6 hrs)

<table>
<thead>
<tr>
<th>Required</th>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 2010C</td>
<td>Biology I</td>
<td></td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

Select one of the following sequences of courses:

- Science Foundation is 6 credit hours for General Education Program. However the nursing program prerequisite requires 4 CHM credits. To earn this, the student must also take the CHM 1032 lab. BSC 2010C is needed as a course prerequisite for Anatomy and Physiology and Health Microbiology.

Suggested CHM 1032 General Chemistry and 3 hrs
Suggested CHM 1032 General Chemistry Laboratory 1 hr
or Suggested PCB 3703C Human Physiology and 4 hrs
Suggested ZOO 3733C Human Anatomy 4 hrs
or Anatomy & Physiology I & II 6 hrs

2. Common Program Prerequisites (CPP) (19 hrs)

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

<table>
<thead>
<tr>
<th>Required</th>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 1032</td>
<td>General Chemistry GEP</td>
<td></td>
<td>1 hr</td>
</tr>
<tr>
<td>CHM 1032L</td>
<td>General Chemistry Laboratory</td>
<td></td>
<td>1 hr</td>
</tr>
<tr>
<td>HUN 3011</td>
<td>Human Nutrition 3 hrs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MCB 2004C</td>
<td>Microbiology for Health Professionals</td>
<td>4 hrs</td>
<td></td>
</tr>
<tr>
<td>PCB 3703C</td>
<td>Human Physiology</td>
<td>4 hrs</td>
<td></td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology GEP</td>
<td></td>
<td>1 hr</td>
</tr>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology GEP</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>ZOO 3733C</td>
<td>Human Anatomy</td>
<td>4 hrs</td>
<td></td>
</tr>
</tbody>
</table>

Select 1: 3 hrs

| STA 2014C | Principles of Statistics or Statistical Methods I | GEP |

Select 1: 3 hrs

| DEP 2004 | Developmental Psychology or Assessing I: Human Development | 3 hrs |
| SOW 3104 | Assessing I: Human Development | 3 hrs |

1 Also meets general education requirements; applicants should see a UCF Nursing advisor for possible course substitutions.

2 May take Anatomy and Physiology sequence of six-eight total credits

3. Core Requirements: Basic Level (0 hrs)

- None
4. Core Requirements: Advanced Level (51 hrs)

UCF Core

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR 3065</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3065L</td>
<td>1 hr</td>
</tr>
<tr>
<td>NUR 3165</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3634</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3805</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4604L</td>
<td>4 hrs</td>
</tr>
<tr>
<td>NUR 4637</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 4828</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4837</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Upper Division Credit (27 hrs)

- May be met by validation
- NUR 3028 Essentials of Nursing Practice 2 hrs
- NUR 3028L Essentials of Nursing Practice Lab 1 hr
- NUR 3225 Nursing Care of the Adult I 3 hrs
- NUR 3225L Nursing Care of the Adult I: Clinical Practice 2 hrs
- NUR 3445 Nursing Care of Families 3 hrs
- NUR 3445L Nursing Care of Families Clinical 2 hrs
- NUR 3755L Essentials of Nursing Practice Clinical 2 hrs
- NUR 4227 Nursing Care of the Adult II 4 hrs
- NUR 4227L Nursing Care of the Adult II: Clinical Practice 3 hrs
- NUR 4535 Psychiatric Mental Health Nursing 3 hrs
- NUR 4535L Psychiatric Mental Health Clinical 2 hrs

5. Restricted Electives (6 hrs)

NUR XXXX Any two upper division nursing electives 6 hrs

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives

- variable to meet degree requirements

9. Additional Requirements

Progression Requirements:
- Prior to NUR 3805: RN status or eligible to take NCLEX.
- Prior to NUR 3165: Complete NUR 3805 and Statistics course with grade of "C" (2.0) or better.
- Prior to NUR 3634 Community Health Nursing: 1) Be admitted to the Nursing Program; 2) complete general education requirements or A.A. from a Florida Community or State College or University (SUS); 3) complete Nursing prerequisites; 4) satisfy CLAS requirement; and 5) complete foreign language admission requirement.

Other:
- Selected Courses may be offered at regional campuses.
- The RN to BSN course work is offered online. Some on-campus labs and clinical practice may be required. For more information visit http://www.nursing.ucf.edu.

10. Required Minors

- None

11. Departmental Exit Requirements

- Completion of all courses in major with a grade of "C" (2.0) or better
- Cumulative overall GPA of 2.5 or above
- College of Nursing GPA of 2.5 or above

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

- 128

Honors In Major

- None

Related Programs

- Health Services Administration
- Social Work

Certificates

- Aging Studies

Related Minors

- Health Sciences
- Health Services Administration
- Psychology

Advising Notes

- None

Transfer Notes

- None

Acceptable Substitutes for Transfer Courses

- None

Plan of Study (30 hrs)

- None

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: $25 per term
- Full-Time Student: $50 per term
COMMON COURSE NUMBERING SYSTEM

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 adviser before registering for 6000-level courses.

7000-7999. Doctoral-level courses. These courses provide material at the most advanced graduate level. They are restricted to admitted doctoral students only.

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 33 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 prefixes and same last three digits of the course number and are guaranteed to be transferable between participating institutions that offer the course, with a few exceptions. (Exceptions are listed on the next page.)

For example, a freshman composition skills course is offered by 58 different postsecondary institutions. Each institution uses "ENC 101" to identify its freshman composition skills course. The level code is the first digit and represents the year in which students normally take the course at a specific institution. In the SCNS taxonomy, "ENC" means "English Composition," the century digit "1" represents "Freshman Composition," the decade digit "0" represents "Freshman Composition Skills," and the unit digit "1" represents "Freshman Composition Skills I."

In the sciences and certain other areas, a "C" or "L" after the course number is known as a lab indicator. The "C" represents a combined lecture and laboratory course that meets in the same place at the same time. The "L" represents a laboratory course or the laboratory part of a course, having the same prefix and course number without a lab indicator, which meets at a different time or place.

Transfer of any successfully completed course from one participating institution to another is guaranteed in cases where the course to be transferred is equivalent to one offered by the receiving institution. Equivalencies are established by the same prefix and last three digits and comparable faculty credentials at both institutions.

For example, ENC 1101 is offered at a community college. The same course is offered at a state university as ENC 2101. A student who has successfully completed ENC 1101 at the community college is guaranteed to receive transfer credit for ENC 2101 at the state university if the student transfers. The student cannot be required to take ENC 2101 again since ENC 1101 is equivalent to ENC 2101. Transfer credit must be awarded for successfully completed equivalent courses and used by the receiving institution to determine satisfaction of requirements by transfer students on the same basis as credit awarded to the native students. It is the prerogative of the receiving institution, however, to offer transfer credit for courses successfully completed that have not been designated as equivalent. Note: Credit generated at institutions on the quarter-term system may not transfer the equivalent number of credits to institutions on the semester-term systems. For example, 4.0 quarter hours often transfers as 2.67 semester hours.

The Course Prefix
The course prefix is a three-letter designator for a major division of an academic discipline, subject matter area, or sub-category of knowledge. The prefix is not intended to identify the department in which a course is offered. Rather, the content of a course determines the assigned prefix to identify the course.

Authority for Acceptance of Equivalent Courses
Section 1007.24(7), Florida Statutes, states:

Any student who transfers among postsecondary institutions that are fully accredited by a regional or national accrediting agency recognized by the United States Department of Education and that participate in the statewide course numbering system shall be awarded credit by the receiving institution for courses satisfactorily completed by the student at the previous institutions. Credit shall be awarded if the courses are judged by the appropriate statewide course numbering system faculty committees representing school districts, public postsecondary educational institutions, and participating nonpublic postsecondary educational institutions to be academically equivalent to courses offered at the receiving institution, including equivalency of faculty credentials, regardless of the public or nonpublic control of the previous institution. The Department of Education shall ensure that credits to be accepted by a receiving institution are generated in courses for which the faculty possess credentials that are comparable to those required by the accrediting association of the receiving institution. The award of credit may be limited to courses that are entered in the statewide course numbering system. Credits awarded pursuant to this subsection shall satisfy institutional requirements on the same basis as credits awarded to native students.

### Example of Course Identifier

<table>
<thead>
<tr>
<th>Prefix</th>
<th>Level Code (first digit)</th>
<th>Century Digit (second digit)</th>
<th>Decade Digit (third digit)</th>
<th>Unit Digit (fourth digit)</th>
<th>Lab Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td>No Laboratory component in this course</td>
</tr>
</tbody>
</table>

English Composition Lower (Freshman) Level at this institution Freshman Composition Skills Freshman Composition Skills I
Exceptions to the General Rule for Equivalency

Since the initial implementation of the SCNS, specific disciplines or types of courses have been excepted from the guarantee of transfer for equivalent courses. These include varying topics courses that must be evaluated individually, or applied courses in which the student must be evaluated for mastery of skill and technique. The following courses are exceptions to the general rule for course equivalencies and may not transfer. Transferability is at the discretion of the receiving institution.

A. Courses not offered by the receiving institution.

B. For courses at non-regionally accredited institutions, courses offered prior to the established transfer date of the course in question.

C. Courses in the 900-999 series are not automatically transferable, and must be evaluated individually. These include such courses as Special Topics, Internships, Practica, Study Abroad, Thesis, and Dissertations.

D. College preparatory and vocational preparatory courses.

E. Graduate courses.

F. Internships, practica, clinical experiences, and study abroad courses with numbers other than those ranging from 900-999.

G. Applied courses in the performing arts (Art, Dance, Interior Design, Music and Theatre) and skills courses in Criminal Justice are not guaranteed as transferable.

Courses at Nonregionally Accredited Institutions

The Statewide Course Numbering System makes available on its home page (http://scns.fldoe.org) a report entitled “Courses at Nonregionally Accredited Institutions” that contains a comprehensive listing of all nonpublic institution courses in the SCNS inventory, as well as each course’s transfer level and transfer effective date. This report is updated monthly.

Questions about the Statewide Course Numbering System should be directed to Dr. Elliot Vittes, Associate Dean, Undergraduate Studies, Millican Hall 210, University of Central Florida, 4000 University Boulevard, Orlando, Florida 32816, or to the Office of Articulation, Office of Education, Office of Articulation, 1401 Burlington 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

ECP  Economic Problems & Policy
ECS  Economic Systems & Development
EDA  Educational Administration
EDE  Education: Early Education
EDP  Education: Foundations and Policy Studies
EDG  Education: General
EDH  Education: Higher
EDM  Education: Middle School
EDP  Educational Psychology
EDS  Education Supervision
EEC  Education: Early Childhood
EED  Education: Emotional Disorders
EEE  Engineering: Electrical and Electronic
ELL  Engineering: Electrical
EER  Electrical/Electronics Repair
EES  Environmental Engineering Science
EET  Electronic Engineering Technology
EFF  Electronic/Electronic: Vocational
EX  Education: Exceptional Child
-- Core Competencies
EGC  Counselor Education
EGI  Education: Gifted
EGM  Engineering Science
EIN  Engineering: General
EGS  Engineering: Support
EHD  Education: Hard Of Hearing & Deaf
EIA  Education: Industrial Arts
EIN  Industrial Engineering
EIV  Education: Industrial/Vocational
ELD  Education: Specific Learning Disabilities
ELR  Prefix Discontinued. All Courses Reassigned
EMA  Materials Engineering
EMC  Manufacturing Engineering
EMT  Education: Mechanical
EMR  Education: Mental Retardation
EMS  Emergency Medical Services
ENC  English Composition
ENG  English - General
EML  English Literature
ENS  English For Non-Native Speakers
-- College Level Disc. Eff. 2005
ENT  Entrepreneurship
ENU  Engineering: Nuclear
ENV  Engineering: Environmental
ENY  Entomology
EOC  Ocean Engineering
EPD  Education: Physical & Multiple Disabilities
EPH  Education: Physical & Multiple Handicapped
EPI  Educator Preparation Institutes
ESC  Earth Science
ESE  Education: Secondary
ESI  Engineering/Systems Engineering
ESL  College-Prep English For Non-Native Speakers
-- Disc. Eff. 2005
EST  Electronic Speciality Technology
ETC  Engineering Technology: Civil
ETD  Environmental Science
ETG  Engineering Technology: General
ETI  Engineering Technology: Industrial
ETM  Engineering Technology: Mechanical
ETH  Electronoeu diagnostics
EUN  Europe and History
EUS  European Studies
EV  Education: Visually Impaired-Blind
EVR  Environmental Studies
EVS  Environmental Science (Discontinued Effective 2005)
EVT  Education: Vocational/Technical
EXP  Experimental Psychology
FAD  Home Economics: Family Development
FAM  Fashion Modeling
FAS  Fishery & Aquacultural Science
FES  Fire and Emergency Services
FFP  Fire Fighting & Protection
FIL  Film
FIN  Finance
FLE  Foreign Language Education
FNR  Forestry & Natural Resources
FOL  Foreign Languages
FOR  Forestry

FOS  Food Science
FOT  Foreign Languages (In Translation)
FOW  Foreign Languages, Comparative Literature
FRC  Fruit Crops
FRE  French Language
FRT  French Culture in Translation
or Translation Skills
FRW  French Literature (Writings)
FSE  Funeral Services
FSS  Food Service Systems
FYC  Family, Youth and Community
GCO  Golf Course Operations
GEA  Geography: Regional Areas
GEB  General Business
GEO  Geography: Systematic
GER  German
GET  German Culture in Translation
or Translation Skills
GEW  German Literature (Writings)
GEY  Gerontology
GFD  Geophysical Fluid Dynamics
GIS  Geography: Information Science
GLS  Graduate Liberal Studies
GLY  Geology
GMS  Graduate Medical Sciences
GMT  Modern Greek Culture in Translation
or Translation Skills
GRA  Graphic Arts
GRE  Classical Greek (Language Study)
GRG  Graphic Arts - Graduate-Level
GRK  Modern Greek Language
GW  Classical Greek Literature (Writings)
HAI  Haitian Creole Language
HAT  Haitian Culture in Translation
HBR  Modern Hebrew Language
HBT  Modern Hebrew Culture in Translation
or Translation Skills
HEB  Armenian (Discontinued 2005)
HEC  Home Economics/Community
HEE  Home Economics Education
HEV  Home Economics - Vocational
HFT  Hospitality Management
HHS  Housing & Home Design
HIM  Health Information Management
HIN  Hindi Language
HIS  General History and Historiography
HIT  Hindi Culture in Translation or Translation Skills
HIV  Hindi Literature (Writings)
HLP  Health/Leisure/Physical Education
HME  Home Economics: Home Management
and Equipment
HMV  Hospitality Management, Vocational
HMW  Modern Hebrew Literature (Writings)
HNG  Hungarian Language
HNT  Hungarian Culture in Translation
or Translation Skills
HNW  Hungarian Culture (Writings)
HOE  Home Economics: General
HOS  Horticultural Sciences
HPS  History and Philosophy of Science
HRD  Human Resources Development
HSM  Health Services Management (Discontinued Effective 2005)
HSA  Health Services Administration
HSC  Health Sciences
HUM  Humanities
HUN  Human Nutrition
HUS  Human Services
ICM  International Construction Management
ICW  Icelandic Literature
IDC  Interdisciplinary Computing
IDH  Interdisciplinary Honors
IDI  Interdisciplinary Design
IDN  Indonesian Language
IDS  Interdisciplinary Studies

IDT  Indonesian Culture in Translation
or Translation Skills
IDW  Indonesian Literature (Writings)
IEA  Industrial Education Applied
IHS  Interdisciplinary Health Sciences
IND  Interior Design
INP  Industrial and Applied Psychology
INR  International Relations
INS  International Studies
INT  Sign Language Interpreting
IPM  Integrated Pest Management
ISC  Interdisciplinary Sciences
ISM  Information Systems Management
ISS  Interdisciplinary Social Sciences
ITA  Italian Language
ITT  Italian Culture in Translation or Translation Skills
ITW  Italian Literature (Writings)
JOU  Journalism
JPN  Japanese
JPT  Japanese Culture in Translation
or Translation Skills
JPW  Japanese Literature (Writings)
JST  Jewish Studies
KOR  Korean Language
KOT  Korean Culture in Translation
or Translation Skills
KOW  Korean Literature (Writings)
LA  Landscape Architecture
LAH  Latin American History
LAS  Latin American Studies
LAT  Latin (Language Study)
LAW  Law
LBS  Labor Studies
LDE  Landscape Design
LDR  Leadership Studies
LE  Leisure
LGL  Lingala Language
LGT  Lingala Culture in Translation
or Translation Skills
LIS  Library and Information Studies
LIT  Literature
LNW  Latin Literature (Writings)
MAA  Mathematics - Analysis
MAC  Mathematics - Calculus and Precalculus
MAD  Mathematics - Discrete
MAE  Mathematics Education
MAG  Mechanized Agriculture
(Discontinued Effective 2005)
MAN  Management
MAP  Mathematics Applied
MARK  Marketing
MAS  Mathematics - Algebraic Structures
MAT  Mathematics
MCA  Microbiology
MCC  Special Topics in Mass Communication
MDW  Midwifery
MEA  Medical Assisting Technology
MEL  Medical Science Electives
MEM  Medieval and Early Modern Studies
MET  Meteorology
MGF  Mathematics - General and Finite
MHF  Mathematics - History and Foundations
MHS  Mental Health Services
MIS  Military Science
MKA  Marketing Applications
MLS  Medical Laboratory Science
MLT  Medical Laboratory Technology
MMC  Mass Media Communication
MNA  Management: Applied
MOB  Molecular Biophysics
MOM  Motorcycle Mechanics
MRE  Medical Records (Discontinued Effective 2003)
MSL  Military Science and Leadership
MSS  Massage
MTB  Mathematics - Technical and Business
MTE  Marine Technology and Nautical Science
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<td>Music Education</td>
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<td>Music: Conducting</td>
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<td>Music Ensembles</td>
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<td>M26</td>
<td>Music: Activities (Gen.)-Perfor. Centr., Land</td>
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<td>M27</td>
<td>Music: Activities (Gen.)-Object Centr., Land</td>
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<td>M28</td>
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<td>M43</td>
<td>Music: Activities (Gen.)-Water, Snow, Ice</td>
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</tbody>
</table>

Common Course Numbering System
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
- Directed Independent Studies
- Directed Independent Research
- Honors Undergraduate Thesis
- Honors Directed Reading
- Study Abroad

*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, HM = Hospitality Management, HPA = Health and Public Affairs, and UGST = Undergraduate Studies/Interdisciplinary Studies. Department indicators are listed below (by college):

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<tr>
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<th>Abbreviation</th>
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<td>ED</td>
<td>Teaching &amp; Learning Principles</td>
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<td>UGST</td>
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</tbody>
</table>
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.


ACG 2071 BA-ACCT 3(3,0) Principles of Managerial Accounting: PR: ACG 2021 and MAC 1105 or equivalent. The purpose of this course is to thoroughly familiarize the student with the various uses of accounting information for planning and control. Fall, Spring.

ACG 3082 BA-ACCT 3(3,0) Accounting For Non-Business Majors: PR: Junior Standing. Accounting and reporting from an investment and managerial decision making perspective. Occasional.

ACG 3131 BA-ACCT 3(3,0) Financial Accounting Concepts and Analysis: PR: Junior Standing. Accounting major or minor, and ACG 2021, ACG 2071 with a grade of “C” (2.0) or better. Technical knowledge about accounting measurement, and disclosure plus the study of how accounting reports are analyzed, and interpreted by external users. Fall, Spring.

ACG 3141 BA-ACCT 3(3,0) Intermediate Financial Accounting II: PR: Accounting major or minor, ACG 3131 with a grade of “C” (2.0) or better. Accounting theory and practice related to preparation, and interpretation of external financial statements. Fall, Spring.

ACG 3361 BA-ACCT 3(3,0) Cost Accounting I: PR: Junior standing. Accounting major or minor, and MAC 1105, ECO 1303, ECO 2023, and ACG 2071 with a grade of “C”. Theory and practice of using accounting information for managerial planning, and control as well as in costing, and pricing decisions. Fall, Spring.

ACG 3501 BA-ACCT 3(3,0) Financial Accounting for Governmental and Nonprofit Organizations: PR: Accounting major or minor, and a grade of “C” (2.0) or better in ACG 3131. Application of financial accounting for governmental and nonprofit organizations. Fall, Spring.


ACG 4401C BA-ACCT 3(3,1) Accounting Information Systems: PR: Accounting major or minor, ACG 3131 and CGS 2100C, with a grade of “C” or better. Manual and computer-based accounting information systems. Fall, Spring.

ACG 4651 BA-ACCT 3(3,0) Auditing: PR: Accounting major or minor, ACG 3141, and ACG 4401C with a grade of “C” or better. The standards, practices, and procedures followed in the audit function. Fall, Spring.

ACG 4671 BA-ACCT 3(3,0) Internal Auditing: PR: Accounting major or minor, ACG 3131 or ACG 3361. Theory and practice of internal auditing and the use of internal auditing in organizational control. Fall, Spring.

ACG 4803 BA-ACCT 3(3,0) Contemporary Issues in Accounting: PR: ACG 3141, ACG 3361, ACG 4401C, TAX 4001. A study of accounting that integrates knowledge gained in previous accounting coursework through critical analysis, practical research assignments, and capstone cases. Fall, Spring.

ADE 4382 ED-TLP 3(3,0) Teaching Adult Learners in Technical Programs: PR: EVT 3365 or CI. Planning for and teaching of adult learners in formal & informal technical settings. Fall, Spring.

ADV 3008 COS-COMM 3(3,0) Principles of Advertising: PR: SPG 1608, or SPG 1603, or COM 1000. Overview of the field of advertising; purposes, techniques, the role of agencies, advertisers and the media. Fall, Spring.

ADV 4101 COS-COMM 3(3,0) Advertising Copywriting: PR: A/D/PR majors only and ADV 3008 and PUR 4000. Advertising copywriting teaches the development of creative strategies for advertising and emphasizes writing for various ad media. Fall, Spring.

ADV 4103 COS-COMM 3(3,0) Radio-Television Advertising: PR: RTVF or ADV PR Majors only and ADV 3008 or CJ. Radio and television advertising, including interpretation of rate structures, program audiences, and creative approaches to sponsor needs. Fall, Spring.

ADV 4300 COS-COMM 3(3,0) Advertising Media Planning: PR: ADV 3008 and AD/P&R major. Media planning and buying, including basic media terms, calculations, and resources. Fall, Spring.

AFA 2300 CAH-AAS 3(3,0) African American Music: Comprehensive look at music written and made popular by African Americans. Fall, Spring.

AFA 3200 CAH-AAS 3(3,0) African History Since 1870: PR: C.I. Sub-Saharan African institutions and peoples from the earliest time until 1870. Occasional.

AFR 1101C ECS-AFROTC 1(1,2) The Air Force Today I: History, mission, organization, and doctrine of the United States Air Force and a study of U.S. Strategic Offensive and Defensive Forces. Hands on training. Fall.

AFR 1111C ECS-AFROTC 1(1,2) The Air Force Today II: A brief review of the Army, Navy, and Marine forces. An introduction to special operations and counterinsurgency. Spring.

AFR 2130C ECS-AFROTC 1(1,2) The Development of Air Power I: A study of the development of air power from experiments by 18th-century balloonists to the achievement of combat air power capabilities during World War II. Hands on training. Fall.

AFR 2131C ECS-AFROTC 1(1,2) The Development of Air Power II: A study of the development of aerospace capabilities since World War II, highlighting technological advancements and the role of aerospace power in the contemporary world. Spring.

AFR 3220C ECS-AFROTC 3(3,2) Air Force Leadership and Management: An introductory study of Air Force management fundamentals, communications skills, and basic leadership styles. Hands on training. Fall.

AFR 3230C ECS-AFROTC 3(3,2) Air Force Evaluation and Management II: PR: AFR 3220C or C.I. A concluding study of Air Force management fundamentals, including performance evaluation skills. Spring.

AFA 3955 CAH-AAS 6(6,0) Study Abroad in Eastern Caribbean: PR: LAS 4542 or Junior standing. Interdisciplinary study abroad program focuses on the arts and humanities of African diasporic cultures in the Eastern Caribbean. Occasional.


AFA 5930 CAH-AAS 3(3,0) Topics in African American Studies: PR: Graduate standing or senior standing or C.I. This interdisciplinary seminar uses primary texts to examine the impact of black culture, aesthetic and philosophical ideas on 20th century American society. Occasional.

AFH 3100 CAH-HIST 3(3,0) African History to 1870: PR: C.I. Sub-Saharan African institutions and peoples from the earliest time until 1870. Occasional.

AFH 3200 CAH-HIST 3(3,0) African History Since 1870: PR: C.I. Sub-Saharan African history from 1870 to the present. Occasional.

AFH 5259 CAH-HIST 3(3,0) Colloquium in African History: PR: Graduate standing or C.I. Readings on selected topics in African History. May be used in the degree program a maximum of 3 times. Odd Fall.

AFH 5806 CAH-HIST 3(3,0) The Historiography of Slavery in Africa: PR: Graduate standing or senior standing or C.I. Course covers the central issues and controversies in the historiography of slavery in Africa. Occasional.

AFL 1101C ECS-AFROTC 1(1,2) The Air Force Today I: History, mission, organization, and doctrine of the United States Air Force and a study of U.S. Strategic Offensive and Defensive Forces. Hands on training. Fall.

AFL 1111C ECS-AFROTC 1(1,2) The Air Force Today II: A brief review of the Army, Navy, and Marine forces. An introduction to special operations and counterinsurgency. Spring.

AFL 2130C ECS-AFROTC 1(1,2) The Development of Air Power I: A study of the development of air power from experiments by 18th-century balloonists to the achievement of combat air power capabilities during World War II. Hands on training. Fall.

AFL 2131C ECS-AFROTC 1(1,2) The Development of Air Power II: A study of the development of aerospace capabilities since World War II, highlighting technological advancements and the role of aerospace power in the contemporary world. Spring.

AFL 3220C ECS-AFROTC 3(3,2) Air Force Leadership and Management: An introductory study of Air Force management fundamentals, communications skills, and basic leadership styles. Hands on training. Fall.

AFL 3230C ECS-AFROTC 3(3,2) Air Force Evaluation and Management II: PR: AFL 3220C or C.I. A concluding study of Air Force management fundamentals, including performance evaluation skills. Spring.
AMH 5116 CAH-HIST 3(3,0) Colonial Origins to the Present.
AMH 5137 CAH-HIST 3(3,0) Colloquium in U.S. Revolutionary Period: PR: Graduate standing or senior standing or C.I. 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 5149 CAH-HIST 3(3,0) Colloquium in Early U.S. History, 1789-1815: PR: Graduate standing or senior standing or C.I. Reading and class discussion of the literature on selected topics of the early national period. Occasional.
AMH 5169 CAH-HIST 3(3,0) Colloquium in Age of Jackson: PR: Graduate standing or senior standing or C.I. Intensive reading and class discussion on selected topics of the Jacksonian age. Occasional.
AMH 5176 CAH-HIST 3(3,0) Colloquium in Civil War and Reconstruction: PR: Graduate standing or senior standing or C.I. Intensive reading and class discussion on selected topics of the Civil War and Reconstruction era. Occasional.
AMH 5219 CAH-HIST 3(3,0) Colloquium in Late 19th Century U.S.: PR: Graduate standing or senior standing or C.I. Reading and class discussion of the literature on selected topics of late 19th century U.S. Occasional.
AMH 5296 CAH-HIST 3(3,0) Colloquium in 20th Century U.S.: PR: Graduate standing or senior standing or C.I. Reading and class discussion on selected topics in 20th-century U.S. May be used in the degree program a maximum of 4 times. Occasional.
AMH 5378 CAH-HIST 3(3,0) History of Technology: PR: Graduate standing or C. I. Introduces the historiography of technology's role in historical events, and society's role in shaping technology. Occasional.
AMH 5391 CAH-HIST 3(3,0) Colloquium in U.S. Cultural History: PR: Graduate standing or senior standing or C.I. Students will read and discuss a common or diverse body of the significant literature in the field. Occasional.
AMH 5406 CAH-HIST 3(3,0) Colloquium in America’s South: PR: Graduate standing or senior standing or C.I. Intensive reading and class discussion on selected topics of Southern history from colonial origins to the present. Occasional.
AMH 5446 CAH-HIST 3(3,0) Colloquium in U.S. Frontier: PR: Graduate standing or senior standing or C.I. Reading and class discussion of the literature on selected topics of frontier history. Occasional.
AMH 5515 CAH-HIST 3(3,0) Colloquium in U.S. Diplomatic History: PR: Graduate standing or senior standing or C.I. A survey of the historical literature of American foreign policy. May be repeated for credit only when course content is different. Occasional.
AMH 5566 CAH-HIST 3(3,0) Colloquium: Women in American History: PR: Graduate standing or senior standing or C.I. Intensive reading and class discussion on selected topics of Women in American History from colonial time to the present. Occasional.
AMH 5937 CAH-HIST 3(3,0) AP American History: PR: Graduate standing or senior standing or C.I. Participants will enhance their knowledge of weighing evidence and interpretations presented in historical scholarship with respect to the social, cultural, intellectual, economic, and political-diplomatic history of the U.S. Occasional.
AML 3031 CAH-ENG 3(3,0) American Literature I: PR: Grade of C (2.0) or better required in ENC 1102. Major American writers from beginning through Whitman. Fall, Spring.
AML 3041 CAH-ENG 3(3,0) American Literature II: PR: Grade of C (2.0) or better required in ENC 1102. Major American writers from Twain to present. Fall, Spring.
AML 3283 CAH-ENG 3(3,0) Contemporary American Women’s Fiction: PR: Grade of C (2.0) or better required in ENC 1102. Literature and theory examines how novels and short stories by contemporary U.S. women define identity from diverse woman-centered and feminist perspectives. Occasional.
AML 3286 CAH-ENG 3(3,0) Early American Women’s Words: PR: ENC 1102. Women’s writings in the Americas from the 17th century through the mid-19th century. Occasional.
AML 3613 CAH-ENG 3(3,0) Narratives of Slavery: PR: Grade of C (2.0) or better required in ENC 1102. Literary representations of New World slavery in the past and the present. Occasional.
AML 3614 CAH-ENG 3(3,0) Topics in African-American Literature: PR: Grade of C (2.0) or better required in ENC 1102. Literature and theory about African-American culture in the United States. May be repeated for credit. Occasional.
AML 3615 CAH-ENG 3(3,0) Harlem, Haiti, and Havana: PR: Grade of C (2.0) or better required in ENC 1102. A comparative approach to African-American and Caribbean writing, focusing on literary styles, historical contexts, and themes such as nationalism, popular music, and folk religion. Occasional.
AML 3640 CAH-ENG 3(3,0) Native American Literature: PR: Grade of C (2.0) or better required in ENC 1101 and ENC 1102. Native American genres, including traditional oral narratives, ritual and contemporary poetry, autobiography, and the novel. Occasional.
AML 3643 CAH-ENG 3(3,0) Contemporary Native American Prose and Poetry: PR: ENC 1101. ENC 1102. Native American prose fiction and poetry since Momaday’s House Made of Dawn (1968) and American Indian prose and poetry since that time. Occasional.
AML 3682 CAH-ENG 3(3,0) Ethnic Literature in America: PR: ENC 1102. Contributions of linguistic and ethnic groups of non-English origin to the literature of the United States. Occasional.
AML 3682H CAH-ENG 3(3,0) Honors Ethnic Literature in America: PR: Permission of Honors and ENC 1102H or equivalent credit. Contributions of linguistic and ethnic groups of non-English origin to the literature of the United States. Honor students only. Occasional.
AML 4101 CAH-ENG 3(3,0) American Novel: PR: Grade of C (2.0) or better required in ENC 1102 and ENG 3014. Analysis of major American novelists. Occasional.
AML 4153 CAH-ENG 3(3,0) American Poetry at Mid-Century: PR: Grade of C (2.0) or better required in ENC 1102 and ENG 3014. Study of major figures from the “Middle Generation”: Berryman, Bishop, Jarrell, Lowell, Plath, Rich, Roethke, and others. Occasional.
AML 4155 CAH-ENG 3(3,0) Modern American Poetry: PR: Grade of C (2.0) or better required in ENG 3014. Major American poets of the modern (1900-1950) period. Occasional.
AML 4261 CAH-ENG 3(3,0) Literature of the South: PR: Grade of C (2.0) or better required in ENC 1102 and ENG 3014 or C.I. Development of Southern literature from its beginnings in the “Old South” through the post-Civil War and the Southern-Renaissance to the present. Emphasizes reading from Poe, Ransom, Tate, Faulkner, Porter, Warren, O’Connor, Percy, and Styron. Occasional.
AML 4265 CAH-ENG 3(3,0) Florida Writers: PR: Grade of C (2.0) or better required in ENC 1102 and ENG 3014. This course will examine writers who have lived in and written about Florida, such as Hemingway, Rawlings, Hurston, and Stevens. Occasional.
AML 4300 CAH-ENG 3(3,0) Major American Authors: PR: Grade of C (2.0) or better required in ENG 3014. A comprehensive study of selected major American literary figures. May be repeated for credit only when course content is different. Fall, Spring.
AML 4304 CAH-ENG 3(3,0) Whitman and His Heirs: PR: Grade of C (2.0) or better required in ENG 3014. The work of American poet, Walt Whitman (1819-1892), and his influence on modern American poetry. Occasional.
AML 4321 CAH-ENG 3(3,0) Modern American Literature: PR: Grade of C (2.0) or better required in ENG 3014. Major writers of modern American literature. Occasional.
AML 4630 CAH-ENG 3(3,0) Latino/Latina Literature: PR: Grade of C (2.0) or better required in ENG 3014. U.S. literature by writers from Latino and Latina backgrounds. Occasional.
AML 5076 CAH-ENG 3(3,0) American Literature: Colonial to Contemporary: PR: Graduate status or senior standing or C.I. Intended for graduate students and future teachers of American literature, this course surveys texts produced in America from the colonial period to the present. Occasional.
AML 5156 CAH-ENG 3(3,0) Modern American Poetry: PR: Graduate status or senior standing or C.I. Study of trends, modes, major figures (Eliot, Pound, H.D. Lawrence, Stevens, Hart, Crane, Moore, Williams) within the Modernist movement in American poetry. Occasional.
ANG 5100 COS-ANTHRO 3(3,0) Archeological Sciences: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Field and laboratory methods routinely used in archeology and forensic archeology, including instrumentation. Occasional.
ANG 5166 COS-ANTHRO 3(3,0) Problems in Maya Studies: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. The study of Maya writing, the translation of Maya hieroglyphs, and the significance of translations to reconstructions of ancient Maya culture. Occasional.
ANG 5191 COS-ANTHRO 3(3,0) Mortuary Archaeology: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Funerary customs and human remains; basic data collection, skeletal analysis, and comparative study of mortuary ritual-ancient and modern. Occasional.
ANG 5228 COS-ANTHRO 3(3,0) Maya Iconography: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Study and interpretation of ancient Maya iconography as reflected in art, artifacts, and constructed features. Odd Spring.
ANG 5272 COS-ANTHRO 3(3,0) Culture, Power and Development: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Ancient and contemporary ramifications of underdevelopment and empowerment in the world system from an anthropological perspective. Occasional.
ANG 5301 COS-ANTHRO 3(3,0) Anthropology of Tourism: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Anthropology of tourism in U.S. and world regions, including impacts on local peoples, cultures, and environments. Occasional.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2000</td>
<td>General Anthropology</td>
<td>3(3,0)</td>
<td>An introduction to the four major subfields of anthropology: Social Anthropology, Physical Anthropology, Linguistics, and Archaeology. Fall, Spring.</td>
</tr>
<tr>
<td>ANT 2140</td>
<td>Archaeology and the Rise of Human Culture</td>
<td>3(3,0)</td>
<td>The evolution of human society from foraging and hunting groups to the earliest cities and states. Fall, Spring.</td>
</tr>
<tr>
<td>ANT 2410</td>
<td>Cultural Anthropology</td>
<td>3(3,0)</td>
<td>An introduction to human diversity as exemplified among various cultures and ethnic groups. Fall, Spring.</td>
</tr>
<tr>
<td>ANT 2511</td>
<td>The Human Species</td>
<td>3(3,0)</td>
<td>A survey of the human species: human biological variation in an evolutionary perspective. Fall, Spring.</td>
</tr>
<tr>
<td>ANT 3106</td>
<td>Anthropology and Popular Culture</td>
<td>3(3,0)</td>
<td>The ancient past and archaeology applied in popular culture and are manipulated and used by modern societies. Occasional.</td>
</tr>
<tr>
<td>ANT 3115</td>
<td>Archaeological Method and Theory</td>
<td>3(3,0)</td>
<td>Archaeological methods and theory: ANTR 2000 or ANTR 2140. A survey of archaeological field and laboratory techniques, including the interpretation of written archaeological reports. Even Fall.</td>
</tr>
<tr>
<td>ANT 3142</td>
<td>Old World Prehistory</td>
<td>3(3,0)</td>
<td>Old World Prehistory: ANTR 2000 or ANTR 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.</td>
</tr>
<tr>
<td>ANT 3145</td>
<td>Anthropology of Complex Societies</td>
<td>3(3,0)</td>
<td>Anthropology of complex societies: ANTR 2000 or ANTR 2140 or C.I. Theoretical perspectives on ancient hierarchies of power. Fall.</td>
</tr>
<tr>
<td>ANT 3148</td>
<td>Life and Death in Ancient Egypt</td>
<td>3(3,0)</td>
<td>Life and Death in Ancient Egypt: ANTR 2000 level anthropology course. Use of archaeological and physical anthropology to examine the lives and death of both common citizens and royalty in Ancient Egypt (3200 BCE-AD 600). Occasional.</td>
</tr>
<tr>
<td>ANT 3152</td>
<td>Indians of the Southwest</td>
<td>3(3,0)</td>
<td>Indians of the Southwest: ANTR 2000. Native American culture types of the southwestern Navajo, Pueblo (Zuni, Hopi, Tewa), Apache (Lipan, Mescalero), and Desert Tradition (Pima, Papago, Havasupai). Occasional.</td>
</tr>
<tr>
<td>ANT 3158</td>
<td>Florida Archaeology</td>
<td>3(3,0)</td>
<td>Florida Archaeology: ANTR 2000 or ANTR 2140 or C.I. Florida prehistory from Paleo-Indian to European contact including archaeological periods, cultural areas, sites, artifacts, and occupations. Occasional.</td>
</tr>
<tr>
<td>ANT 3160</td>
<td>Americas Before Columbus</td>
<td>3(3,0)</td>
<td>Americas Before Columbus: ANTR 2000 or C.I. Archaeological developments of North, Central, and South America from the hemisphere's initial peopling through the advent of European cultures. Occasional.</td>
</tr>
<tr>
<td>ANT 3161</td>
<td>Anthropology of Mexico</td>
<td>3(3,0)</td>
<td>Anthropology of Mexico: ANTR 2000 or C.I. Achievements of civilizations in Mexico (Olmec, Zapotec, Aztec) as well as lesser known archaeological cultures. Occasional.</td>
</tr>
<tr>
<td>ANT 3163</td>
<td>Mesoamerican Archaeology</td>
<td>3(3,0)</td>
<td>Mesoamerican Archaeology: ANTR 2000 or ANTR 2000. An introduction to the prehistory of Mexico, Guatemala and upper Central America from earliest times through the Spanish conquest. Occasional.</td>
</tr>
<tr>
<td>ANT 3164</td>
<td>Ancient Incas</td>
<td>3(3,0)</td>
<td>Ancient Incas: ANTR 2000 or SYG 2000 or ANTR 2140 or C.I. The ancient Inca civilization, including examination of pre-Inca cultures and modern Andeans. Uses archaeological, ethnographic, linguistic, and contemporary anthropological sources. Occasional.</td>
</tr>
<tr>
<td>ANT 3165</td>
<td>Archaeology of South America</td>
<td>3(3,0)</td>
<td>Archaeology of South America: ANTR 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.</td>
</tr>
<tr>
<td>ANT 3168</td>
<td>Maya Archaeology</td>
<td>3(3,0)</td>
<td>Maya Archaeology: ANTR 2000 or ANTR 2140 or C.I. An examination of the Prehistoric Maya culture focusing on both the archaeology and current issues in the field. Occasional.</td>
</tr>
<tr>
<td>ANT 3173</td>
<td>Archaeology of Sex</td>
<td>3(3,0)</td>
<td>Archaeology of Sex: ANTR 2000 or C.I. Cross-cultural concepts of sex, sexuality, and sexual intercourse throughout human history from an anthropological perspective. Occasional.</td>
</tr>
<tr>
<td>ANT 3212</td>
<td>Peoples of the World</td>
<td>3(3,0)</td>
<td>Peoples of the World: PR or CR: ANTR 2000 or ANTR 2140 or C.I. A comparative study of religion, family, politics, philosophy, and other elements of socio-cultural organization of pre-literate societies. Fall, Spring.</td>
</tr>
<tr>
<td>ANT 3241</td>
<td>Magic, Ritual, and Belief</td>
<td>3(3,0)</td>
<td>Magic, Ritual, and Belief: PR or CR: ANTR 2000 or ANTR 2140 or C.I. Patterns in religious behavior in various societies, with primary emphasis on myth, rite, taboo, and festival social phenomena. Fall, Spring.</td>
</tr>
<tr>
<td>ANT 3245</td>
<td>Native American Religions</td>
<td>3(3,0)</td>
<td>Native American Religions: PR: ANTR 2000 or ANTR 2140 or C.I. The religious beliefs of native New World peoples. Occasional.</td>
</tr>
<tr>
<td>ANT 3273</td>
<td>Law and Culture</td>
<td>3(3,0)</td>
<td>Law and Culture: PR: CR: ANTR 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.</td>
</tr>
<tr>
<td>ANT 3302</td>
<td>Social, Gender and Culture</td>
<td>3(3,0)</td>
<td>Social, Gender and Culture: PR or CR: ANTR 2000 or ANTR 2140 or C.I. The traditional and changing roles of women and men viewed in a cross-cultural perspective. Fall, Spring.</td>
</tr>
<tr>
<td>ANT 3314</td>
<td>Indians of the Northeast Woodlands</td>
<td>3(3,0)</td>
<td>Indians of the Northeast Woodlands: PR: ANTR 2000 or ANTR 2140 or other lower-level social science course. The prehistory, history and culture of Native Americans of the Northeast Woodlands. Occasional.</td>
</tr>
<tr>
<td>ANT 3318</td>
<td>Indians of the Northwest Coast</td>
<td>3(3,0)</td>
<td>Indians of the Northwest Coast: PR: ANTR 2000 or ANTR 2140 or other lower-level social science course. The prehistory, history and culture of Native Americans of the Northwest Coast of North America. Occasional.</td>
</tr>
<tr>
<td>ANT 3319</td>
<td>Anthropology of Diaspora</td>
<td>3(3,0)</td>
<td>Anthropology of Diaspora: PR: ANTR 2000 or ANTR 2140 or C.I. Comparative study of sociocultural constructions of race and the processes of acculturation and resistance in African Diasporas of the New and Old Worlds. Occasional.</td>
</tr>
<tr>
<td>ANT 3330</td>
<td>Cultural Ecology of Amazonia</td>
<td>3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>ANT 3362</td>
<td>Peoples of Southeast Asia</td>
<td>3(3,0)</td>
<td>Peoples of Southeast Asia: PR or CR: ANTR 2000 or ANTR 2140 or C.I. A survey of the peoples of Vietnam, Cambodia, Laos and Thailand from the anthropological perspective. Occasional.</td>
</tr>
</tbody>
</table>
ANT 3363 COS-ANTHRO 3(3,0) Anthropology of Japan: PR: or CR: ANT 2000 or C.I. An examination of Japan's culture and its contemporary behavioral and organizational patterns by drawing upon archeology, cultural history, linguistics, cultural anthropology, and social organization. Occasional.

ANT 3393 COS-ANTHRO 3(3,0) American Indian Literature and Culture in Florida: ENCH 3150, or ENCH 3151, or permission of instructor. An examination of the literature of the Apalachee, Timucua, Seminole, and Calusa tribes in Florida, examining various issues through oral tales and legends, treaties, archival sources. Occasional.

ANT 3398 COS-ANTHRO 3(3,0) Black/Seminole Relations: PR: 2000 level GEP Social Science course or C.I. Relationship forged between peoples of African origin and descent and the Seminole Indians. Occasional.

ANT 3450 COS-ANTHRO 3(3,0) Living in the USA: Anthropological Perspectives: PR: ANT 2000 or SYG 2000 or PSY 2012 or C.I. Ethnographic study of diverse experiences of life in the United States. Special focus on class, race, gender, citizenship, generation, and religion. Occasional.

ANT 3541 COS-ANTHRO 3(3,0) Biobehavioral Anthropology: PR: or CR: ANT 2000 or SYG 2000 or PSY 2012 or C.I. Introduction to the study of human behavior in terms of mutual interaction between human biology and cultural environments. Spring.

ANT 3550 COS-ANTHRO 3(3,0) Primatology: PR: ANT 2511 or C.I. Study of species from the Order Primates, including their morphology, ecology, behavior, and geographic distribution. Occasional.

ANT 3610 COS-ANTHRO 3(3,0) Language and Culture: PR: Sophomore standing. The study of language in a non-Western setting; language and behavior; language and perception. Spring.

ANT 3701 COS-ANTHRO 3(3,0) Applied Anthropology: PR: ANT 2000 or ANT 2410 or C.I. Application of anthropological methods to current human problems such as the environment, migration, globalization and health. Occasional.

ANT 3949 COS-ANTHRO 0(0,8) Cooperative Education in Anthropology: PR: Departmental permission required before registering. Cooperative education experience in anthropology. Graded S/U. May be repeated up to 8 hours.

ANT 4013 COS-ANTHRO 3(3,0) Anthropological Perspectives on Fast Food: PR: ANT 2000 or ANT 2410 or C.I. Anthropological research on corporate fast food in diverse cultural settings. Occasional.


ANT 4144 COS-ANTHRO 3(3,0) Prehistory of North America: PR: Any lower level course in the social sciences. The rise of Native American culture from the earliest evidence of human occupation in the New World, e.g., the Folsom, Clovis, Sandia, etc., to the time of contact with European cultures. Occasional.

ANT 4153 COS-ANTHRO 3(3,0) North American Archaeology: PR: Any lower level social science course. The cultural development of Native North Americans from prehistoric times to the period of the first European contact. Occasional.

ANT 4180C COS-ANTHRO 3(1,4) Seminar in Laboratory Analysis: PR: or CR: ANT 2000 or ANT 2410 or C.I. The processing of archaeological finds from excavation through publication. May be repeated for credit.

ANT 4183 COS-ANTHRO 3(3,0) Archaeological Sciences: PR: ANT 2511, or ANT 2140, or C.I. Methods and instrumentation routinely used in archaeology and forensic archaeology. Spring.

ANT 4184 COS-ANTHRO 3(3,0) Mortuary Archaeology: PR: ANT 2000, or ANT 2140, or ANT 2511 or C.I. Archaeological interpretations of death; basic data collection, skeletal analysis, and comparative study of mortuary ritual - both ancient and modern. Occasional.


ANT 4303 COS-ANTHRO 3(3,0) Anthropology of Tourism: PR: ANT 2000, or SYG 2000, or PSY 2012 or C.I. Social theory of tourism; anthropology of tourism in U.S. and world regions, including impacts on local peoples, cultures, and environments. Occasional.

ANT 4308 COS-ANTHRO 3(3,0) Gender Issues in Latin America: PR: Completion of a lower-level social science course or its equivalent. Issues of gender in Latin America through an anthropological approach, both theoretical and practical, with special attention to women's lives. Occasional.

ANT 4332 COS-ANTHRO 3(3,0) People and Cultures of Latin America: PR: ANT 2000, or SYG 2000 or C.I. Anthropological survey of Latin American history and society of the peoples of Latin America, emphasizing patterns of subsistence and social organization. Odd Fall, Spring.


ANT 4352 COS-ANTHRO 3(3,0) African Societies and Cultures: PR: ANT 2000 or SYG 2000 or C.I. Anthropological survey of Africa examining the social, cultural, and economic diversity of the continent over time. Occasional.


ANT 4408 COS-ANTHRO 3(3,0) Culture, Disease, and Healing: PR: Any 2000 level Anthropology course. The role of culture in shaping the experience and perceptions of health, sickness, and well-being in a variety of contexts. Odd Spring.

ANT 4462 COS-ANTHRO 3(3,0) Medical Anthropology: PR: ANT 2000 or ANT 2511 or C.I. The field of medical anthropology. Topics will include theories, methods, and applications. Occasional.

ANT 4467 COS-ANTHRO 3(3,0) Nutritional Anthropology: PR: One 2000 level course in biological sciences or C.I. Psychological, biological, social, cultural, and environmental influences of food consumption and physiological status. Perspectives are cross-cultural, ecological and evolutionary. Occasional.

ANT 4516 COS-ANTHRO 3(3,0) Human Biological Diversity: PR: ANT 2511 or BSC 2010C or C.I. Human biological variation and adaptation. Occasional.

ANT 4521C COS-ANTHRO 3(3,0) Forensic Anthropology: PR: ANT 2511 or C.I. The study of human skeletal remains in relation to a legal context. Occasional.

ARH 2050 CAH-ART 3(3,0)
History of Western Art I: Painting, sculpture and architecture from the Prehistoric Era through the Renaissance. Occasional.

ARH 2050H CAH-ART 3(3,0)
Honors History of Western Art I: PR: Permission of Honors. Painting, sculpture and architecture from the Prehistoric Era through the Renaissance, with honors content. Occasional.

ARH 2051 CAH-ART 3(3,0)
History of Western Art II: Painting, sculpture and architecture from the Baroque through the 20th century. Fall, Spring.

ARH 2051H CAH-ART 3(3,0)
Honors History of Western Art II: PR: Permission of Honors. Painting, sculpture and architecture from the Baroque through the 20th century, with honors-level content. Occasional.

ARH 2500 CAH-ART 3(3,0)
History of Non-Western Art: Major visual arts in various non-Western cultures. Fall, Spring.

ARH 3454 CAH-ART 3(3,0)
Happenings and Conceptual Art: PR: Junior Standing or C.I. Aesthetic and social significance of "Total Art" and its attempt to eliminate customary distinctions between life and art. Occasional.

ARH 3471 CAH-ART 3(3,0)
Art in the Last 25 Years: PR: ARH 2050 and ARH 2051 or C.I. A seminar for upper-level art students to examine current trends in the visual arts. Occasional.

ARH 3520 CAH-ART 3(3,0)
African Art: PR: Junior status, ARH 2050, or C.I. Art objects produced in Africa and African sites; with some consideration of arts of the African Diaspora. Occasional.

ARH 3570 CAH-ART 3(3,0)
Ceramics of the Muslim World: PR: ARH 2050 or C.I. Islamic Art and the stylistic and technical characteristics of the period, in contrast to pre-Islamic or other civilizations such as the ancient Greeks, Egyptians, Babylonians, and Chinese. Occasional.

ARH 3610 CAH-ART 3(3,0)
American Art: PR: ARH 2050 and ARH 2051 or C.I. Surveys American Art to 1900. Leading artists are identified and representative examples of their work are discussed within the context of major themes, patterns, sources. Occasional.

ARH 3631 CAH-AAS 3(3,0)

ARH 3632H CAH-ART 3(3,0)

ARH 3670 CAH-ART 3(3,0)
20th Century Latin American Art: PR: ARH 2050 and ARH 2051 or C.I. Art of the modern era (1820 to 1980) in the Caribbean and South America; issues and characteristics of art as they reflect the cultural evolution of Latin American Occasional.

ARH 3673 CAH-ART 3(3,0)
Modern Art of Mexico: PR: ARH 2050 or ARH 2051 or C.I. Modern art of Mexico from the Mexican Academy post-independence to the 1980's. Occasional.

ARH 3674 CAH-ART 3(3,0)
**Baroque Art:**

- **ARH 2051** or C.I.
  - Italian Art and architecture from 1300 to 1600.
  - A study of European Art in the 17th and 18th centuries.
  - PR: ARH 2050 and ARH 2051 or C.I.

**Italian Renaissance Art:**

- **ARH 4310**
  - Greek Art and Architecture: PR: ARH 2050 and ARH 2051.
  - Western illustration from ancient and medieval manuscripts through fourteenth century cartoon, caricature, book, magazine illustration, and advertising.

**Pre-Colombia, through the Spanish Colonial, to the 20th Century Art:**

- **ARH 4540 CAH-ART 3(3,0)**
  - Meso American Art: PR: ARH 2050 and ARH 2051.
  - Concepts and techniques of forming, decorating, glazing, and firing pottery.

**Mural Art:**

- **ART 2693**
  - Techniques and application of fresco. Preparation of fresco ground, Talco, and gesso.

**Etruscan origins through Constantine.**

- **PR: Junior Standing or C.I.**

**Advanced Seminar in Art History:**

- **ARH 5937**
  - Advanced Seminar in Art History: PR: ARH 2050 and ARH 2051.
  - Methods and materials of the painter. Introduction to the history 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.

**Book Binding:**

- **ART 3170C CAH-ART 3(2,4)**
  - Basic book binding techniques, methods, structures, and production of books.

**Materials for Artist Books:**

- **ART 3171C CAH-ART 3(2,4)**

**Intermediate Drawing:**

- **ART 2823H CAH-ART 3(3,0)**

**Advanced Issues in Contemporary Book Arts:**

- **ART 3175C CAH-ART 3(2,4)**

**Intermedia:**

- **ART 3332C CAH-ART 3(2,4)**

**Animation Production Methods:**

- **ART 3616C CAH-ART 3(3,0)**
  - Animation Production Methods: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C. C.I. The development of a computer animation piece. All aspects of production will be covered. May be repeated for credit.

**Intermediate Painting:**

- **ART 3504C CAH-ART 3(3,0)**

**Drawing, Painting, and Printmaking:**

- **ART 2203C**
  - Drawing, Painting, and Printmaking: PR: ART 2201C, ART 2203C, ART 2300C, and ART 3170C.
  - Production of materials used for an artist in the creation of books.
  - M&S fee: $15.00

**Honors in Art:**

- **ART 2823**
  - Art as Interface: An overview of art department specializations, and selected historical and theoretical information influencing the art curriculum.
  - M&S fee: $45.00

**Mixed Media:**

- **ART 2694**
  - Combines with guided research at the Orlando Museum of Arts culminating in a hardbound Visual Book. Occasional.
  - M&S fee: $44.00

**Digital Effects & Compositing:**

- **ART 3643C CAH-ART 3(2,4)**
  - Digital Effects & Compositing: PR: Animation major and FIL 3720C. Special effects and compositing for computer animation and film, focusing on the use of After Effects,Premier and Photoshop or comparable software.

**Digital Animation:**

- **ART 2823**
  - Digital Animation: PR: ARH 2050 and ARH 2051.
  - A survey of women artists from ancient times to the present as well as a study of the role Aesthetics and Ideology played in determining representations of women in art.

**Honors in Art: Specializations:**

- **ART 2823**
  - Honors in Art: Specializations: PR: Consent of Honors. An overview of Art department specializations, and selected historical and theoretical information influencing the art curriculum.
  - M&S fee: $45.00
UCF Courses and Descriptions

ART 3737C CAH-ART 3(2,4)

ART 3761C CAH-ART 3(2,4)

ART 3764C CAH-ART 3(2,4)
Ceramic Handbuilding I: PR: Junior standing. Application of a variety of ceramic handbuilding procedures, including design, glaze application and firing process. Occasional. M&S fee: $55.00

ART 3833C CAH-ART 3(2,4)

ART 3833C CAH-ART 3(2,4)
Processes and Ideas in Art: PR: Junior Standing. This course is designed to examine the development of individual creativity and the generation of new insights concerning artistic expression. These “formative activities” must be manifested by students in the form of small sculptures and/or other forms of creativity. Occasional.

ART 3950 CAH-ART 0(0,0)

ART 4132C CAH-ART 3(2,4)
Advanced Fiber And Fabrics: PR: ART 2201C, ART 2202C, ART 2300C, and ART 2301C. A use of technology for alternative presentation of sequential ideas in space and time. May be repeated for credit. Occasional.

ART 4710C CAH-ART 3(2,4)
Advanced Sculpture: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. May be repeated for credit. Fall, Spring. M&S fee: $45.00

ART 4765C CAH-ART 3(2,4)

ART 4780C CAH-ART 3(2,4)

ART 4783C CAH-ART 3(2,4)
Advanced Ceramics: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, ART 3761C, and a satisfactory portfolio review or C.I. Advanced problems in the ceramic process. May be repeated for credit. Fall, Spring. M&S fee: $94.99

ART 4786C CAH-ART 3(2,4)

ART 4935 CAH-ART 3(3,1)
BFA Exhibit/Seminar: PR: ART 2201C, ART 2202C, ART 2300C, ART 2301C, must complete Studio course for BFA, and a satisfactory portfolio review or C.I. This course is designed to prepare B.F.A. students for B.F.A. Exhibition. Spring. M&S fee: $15.00

ART 4945L CAH-ART 6(0,6)

ART 4954 CAH-ART 3(3,0)
Scotland Study Abroad: PR: ART 2823, ART 2201C or ART 2301C. Study abroad in Edinburgh, Scotland. May be repeated for credit. Occasional.

ART 4971 CAH-ART 3(2,4)
Senior Thesis: PR: Senior Standing, Art major, and C.I. A capstone thesis for Art BA candidates. May be repeated for credit. Occasional. M&S fee: $45.00

ART 5109C CAH-ART 3(2,4)
Multi-Cultural Crafts Design: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, graduate status or senior standing, or C.I. The content of this course will include an appreciation for and the production of Western and Non-Western art forms. Occasional.

ART 5280C CAH-ART 3(3,3)
Serial Content and Classic Form I: PR: Admission to MFA. Studio course exploring serial imaging history, pictures, alphabet development, typographic design, and the computer as sequenced design concepts and tools. Fall. M&S fee: $45.00

ART 5284 CAH-ART 3(3,0)
Design Theory and Methods: PR: Admission to MFA to C.I. Introduction to semiotic theory, communication theory, perceptual codes, human factors and visual rhetoric. Fall. M&S fee: $45.00

ART 5670C CAH-ART 3(2,4)
Digital Illustration: CR: ART 6683C. Methods and media effects usually associated with traditional illustration in a digital platform. Spring. M&S fee: $45.00

ART 5694 CAH-ART 3(3,0)
Cultural Electronic Art and Design: PR: Admission to MFA. Explores digital/electronic art and technology from mid 20th century to present. Explores key electronic artists and issues of the "arts electronica" into the present. Spring.

ART 5695 CAH-ART 3(3,0)
Web Art I: PR: Admission to MFA. Students will explore the web and experiment with pertinent software, as well as design and implement websites. Projects will be determined at the outset of each semester. Spring. M&S fee: $45.00

ART 5696 CAH-ART 3(3,0)
Art, Design and Human Interactions: PR: Admission to MFA. Exploration of design and development of interface systems and technologies in contemporary society and culture including place making, way-finding, electronic interface design, and publication design. Spring.

ART 5698 CAH-ART 3(3,0)
Ottoman Empire: PR: ART 5910 and ART 5280C and ART 5694, or C.I. Digital reproduction of studio works. Fall, M&S fee: $45.00

ART 5745 CAH-ART 3(3,0)
Physical and Virtual Sculpture: PR: Acceptance to MFA in Studio Art and the Computer or C.I. A course exploring historical (tactile) and contemporary (virtual) approaches to the creation of 3D sculptural objects. Occasional.

ART 5811C CAH-ART 3(3,1)
The Professional Practice of Art: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C (no graduate level prerequisite), graduate status or senior standing, or C.I. Seminar class on political information pertaining to professional practices in the art world. Overview of inventory processing, accounting, and the marketing of art. Fall. M&S fee: $45.00

ART 5910 CAH-ART 3(3,0)
Studio Concentration I: PR: Admission to MFA. Course is the primary for production of work in studio. Students will meet periodically with faculty to discuss progress. Professor will meet with the whole class periodically in critique to facilitate a group critique of work completed. May be used in the degree program a maximum of 3 times. Fall, Spring. M&S fee: $45.00

ART 5934 CAH-ART 3(3,0)

ART 5941 CAH-ART 1(1,0)
Graduate Practicum I: PR: Web Art I, graduate status, or C.I. Candidates with cross-disciplinary interests will discuss and analyze issues in digital art making via the internet. Students will use this information to develop projects in their specialization. Occasional.

ASH 3222 CAH-HIST 3(3,0)

ASH 3223 CAH-HIST 3(3,0)
The Modern Middle East: PR: Junior standing or C.I. History of the Middle East and North Africa from the 16th century to the present. Occasional.

ASH 4233 CAH-HIST 3(3,0)
The Ottoman Empire: PR: WHI 2012 and WHI 2022. History of the Ottoman Empire from its origins in the 13th century to its collapse after WWII. Occasional.
ASH 4243 CAH-HIST 3(3,0)
History of Iraq: PR: WOH 2012 and WOH 2022. Modern Iraq: history through a set of interspersed monographic studies that focus on the political and legal aspects of the Iraqi state. Occasional.

ASH 4304 CAH-HIST 3(3,0)

ASH 4402 CAH-HIST 3(3,0)

ASH 4404 CAH-HIST 3(3,0)
China in 19th and 20th Centuries: PR: EUH 2000 and 2001 or C.I. The Mongols in China; coming of the Europeans; social structure; Communist movement; Japanese aggression. Occasional.

ASH 4442 CAH-HIST 3(3,0)
Modern Japan, 19th and 20th Centuries: PR: EUH 2000 and 2001 or C.I. A survey of the Tokugawa Shogunate; Western contact in the 19th century; World War I; Japanese militarism; World War II; U.S. occupation. Occasional.

ASH 5227 CAH-HIST 3(3,0)
The Arab-Israeli Conflict: PR: Graduate status or senior standing or C.I. This course examines the history of the Arab-Israeli conflict, placing particular emphasis on its origins in 19th century imperialism and Zionism. Occasional.

ASH 5408 CAH-HIST 3(3,0)
Collective Memory in Modern China: PR: Graduate status or senior standing or C.I. Course explores works of scholarship in modern China including the rise of Communism, Chinese women and Sino-American relations. Occasional.

ASH 5485 CAH-HIST 3(3,0)
U.S. China Relations: PR: Graduate standing or C.I. An in-depth study of significant relations between China and the United States since the 18th century. Even Fall.

ASL 2140 HPA-COM SC&DIS 4(4,0)
Introduction to American Sign Language: Development of ASL vocabulary and grammar. Deaf culture, literature, research examined. Fall, Spring.

ASL 2150 HPA-COM SC&DIS 4(4,0)
Intermediate American Sign Language: PR: ASL 2140. Expansion of ASL vocabulary with increased emphasis on fingerspelling techniques, phonology, syntactic, semantic, and discourse structure of ASL, including an emphasis on the biological basis of language and communication. Occasional.

ASL 4435 HPA-COM SC&DIS 3(3,0)
Fingerspelling: PR: ASL 2140 and ASL 2150 or C.I. The study and practice of fingerspelling techniques to improve receptive and expressive fingerspelling facility. Occasional.

ASL 4700 HPA-COM SC&DIS 3(3,0)
Literature of Signed Languages: PR: ASL 2510. Overview of literature produced by Deaf communities across the world, with emphasis on the American Deaf Community. Genres include poetry, narrative, historical and cultural prose. Occasional.

AST 2002 COS-PHYS 3(3,0)
Astronomy: PR: High school algebra or MAC 1105. Descriptive survey of solar system, galaxies and universe; physical properties of stars, H-R diagram, stellar evolution, black holes, neutron stars. Fall, Spring.

AST 2002H COS-PHYS 3(3,0)

AST 2002L COS-PHYS 1(0,3)

AST 2037 COS-PHYS 3(3,0)
Life in the Universe: A thought provoking journey through solar system environments and extrasolar planets to establish the probability of life on other planets in our solar system and beyond. Occasional.

AST 2720L COS-PHYS 1(0,2)

AST 3110 COS-PHYS 3(3,0)

AST 3211 COS-PHYS 3(3,0)

AST 3402 COS-PHYS 3(3,0)
Galaxies and Cosmology: PR: AST 2002 and PHY 2048C. Study of the different types of galaxies, their evolution, their relationship to active galaxies and quasars, and the evolution of the universe. Odd Fall.

AST 3722C COS-PHYS 3(3,0)

AST 4142 COS-PHYS 3(3,0)

AST 4152 COS-PHYS 3(3,0)
Planetary Geophysics: PR: AST 2002, PHY 2053C, and Senior standing or C.I. This course is a study of the fluids of the planet, planetary interiors, and planetary surface processes. Even Fall.

AST 4501 COS-PHYS 3(3,0)

AST 4700 COS-PHYS 3(3,0)

AST 4762 COS-PHYS 3(3,0)
Astronomical Data Analysis: PR: MAC 2233, ability to write simple computer programs, and an upper level course in astronomy or planetary science, or C.I. This course covers astronomical data formation, detector physics, measurement extraction, error analysis, modeling, computer programming, statistics, interpretation, and written and oral presentation of results. Fall.

AST 5154 COS-PHYS 3(3,0)
Advanced Planetary Geophysics: PR: Admission to Physics M.S. or Physics Ph.D., or C.I. The course will examine the physical and chemical processes that govern the behavior of the atmosphere of Earth and the other planets. Occasional.

AST 5263 COS-PHYS 3(3,0)
Advanced Observational Astronomy: PR: Graduate standing in the Physics department or C.I. Experimental design and experimental techniques in astrophysics; spherical astronomy; physics of telescopes and of common astronomical detectors; error analysis. Even Spring.

AST 5334 COS-PHYS 3(3,0)
Extraterrestrial Planets and Brown Dwarfs: PR: Admission to Physics M.S. or Physics Ph.D., or C.I. Substellar-mass objects, their formation, evolution, dynamics, detection, and environments. Odd Spring.

AST 5765 COS-PHYS 3(3,0)
Advanced Astronomical Data Analysis: PR: MAC 2233, a 3000-level or higher course in astronomy or planetary science, or C.I. Advanced astronomical data formation and acquisition, detector physics, measurement extraction, error analysis, modeling, computer programming, statistics, interpretation, and written and oral presentation of results. Occasional.

BCH 4053 COS-CHEM 3(3,0)

BCH 4053H COS-CHEM 3(3,0)

BCH 4054 COS-CHEM 3(3,0)
<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Description</th>
<th>Credits</th>
<th>Schedule</th>
</tr>
</thead>
<tbody>
<tr>
<td>BTE 4410</td>
<td>ED-TLP</td>
<td>Course Construction in Business Education: PR: EGT 3503 or C.I. Overview and examination of business curriculum and methodology integrated into the vocational frameworks. Planning and preparation of materials, managing the laboratory and involvement in vocational student organizations. Occasional.</td>
<td>3(3,0)</td>
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<tr>
<td>BUL 3100</td>
<td>BA-ACCT</td>
<td>Legal and Ethical Environment of Business - Honors: PR: Junior standing and business major or minor, analysis of the law as a dynamic social and political institution in the business environment, contract law, torts, and ethical consideration. Fall, Spring.</td>
<td>4(4,0)</td>
<td></td>
</tr>
<tr>
<td>BUL 3120H</td>
<td>BA-ACCT</td>
<td>Legal &amp; 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.</td>
<td>4(4,0)</td>
<td></td>
</tr>
<tr>
<td>BUL 4540</td>
<td>BA-MAN</td>
<td>Employment Law: PR: Management major or minor, MAN 3025, CR: MAN 3301. An examination of current employment law and issues. Emphasis on current impacting human resource management system design, HRM policy and employee relations. Fall, Spring.</td>
<td>3(3,0)</td>
<td></td>
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<tr>
<td>BUL 5332</td>
<td>BA-ACCT</td>
<td>Advanced Business Law Topics: PR: Admission to graduate program, or Management major or minor in term of graduation, BUL 3130. Advanced business law topics including coverage of the Uniform Commercial Code, torts, commercial paper, and secured transactions. Fall, Spring.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>BUL 5810</td>
<td>BA-ACCT</td>
<td>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.</td>
<td>3(3,0)</td>
<td></td>
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<tr>
<td>CAP 4053</td>
<td>ECS-CS</td>
<td>AI for Game Programming: PR: CS Foundation Exam or EEL 4851 or C.I. Surveys cutting-edge AI techniques for video games and board games and contrasts them with more traditional approaches. Spring.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>CAP 4104</td>
<td>ECS-CS</td>
<td>Human and Technology Interaction: PR: COP 3330 and COP 350C. Conceptual, cognitive, affective, social, organizational, commercial, and cultural factors. Disciplines, techniques and methodologies. Web, mobiles, and wearables. Employed conversational agents. Elderly, disabled and special needs. Fall.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>CAP 4405</td>
<td>ECS-CS</td>
<td>AI for Game Programming: PR: CS Foundation Exam or EEL 4851 or C.I. Surveys cutting-edge AI techniques for video games and board games and contrasts them with more traditional approaches. Spring.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>CAP 4630</td>
<td>ECS-CS</td>
<td>Artificial Intelligence: PR: COP 350C and COP 3960. Current methods in AI: knowledge-based systems, representation, inference, planning, natural language. Programming in Lisp or Prolog required. Fall.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>CAP 4720</td>
<td>ECS-CS</td>
<td>Computer Graphics: PR: COP 350C and COP 3960 and MAC 2147 or equivalent. Math for computer graphics, visibility and shading, graphics and data structure, curves and surfaces, commodity graphics hardware, and graphics API. Occasional.</td>
<td>3(3,0)</td>
<td></td>
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<tr>
<td>CAP 5015</td>
<td>ECS-CS</td>
<td>Multimedia Compression on the Internet: PR: Senior and graduate students with interest in internet technology, Multimedia data; internet technology; entropy; compression methods; lossy compression; vector quantization; transform coding; wavelet video compression; model based compression. Occasional.</td>
<td>3(3,0)</td>
<td></td>
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<tr>
<td>CAP 5055</td>
<td>ECS-CS</td>
<td>AI for Game Programming: PR: CS Foundation Exam or EEL 4851 or C.I. Surveys cutting-edge AI techniques for video games and board games and contrasts them with more traditional approaches. Spring.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>CAP 5066</td>
<td>ECS-CS</td>
<td>Web Application Authoring Tools: PR: Graduate standing 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.</td>
<td>3(3,0)</td>
<td></td>
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<tr>
<td>CAP 5100</td>
<td>ECS-CS</td>
<td>Human-Computer Interface Design: PR: EGN 4331C, graduate standing and/or approval of the Director of the Software Engineering Certificate Program. Focuses on dynamic aspects 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.</td>
<td>3(3,0)</td>
<td></td>
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<tr>
<td>CAP 5145</td>
<td>ECS-CS</td>
<td>Computer Vision: PR: COP 3903C, MAC 3212 and COP 3960. Image formation, binary vision, region growing and edge detection, shape representation, dynamic scene analysis, texture, stereo and range images, and knowledge representation. Fall.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>CAP 5510</td>
<td>ECS-CS</td>
<td>Bioinformatics: PR: Background in programming languages 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.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>CAP 5512</td>
<td>ECS-CS</td>
<td>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.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>CAP 5610</td>
<td>ECS-CS</td>
<td>Machine Learning: PR: CAP 4630 or C.I. Originalization of machine intelligence, machine learning concepts and their applications in problem solving, planning and “expert systems” symbolic role of human and computers. Occasional.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>CAP 5630</td>
<td>ECS-CS</td>
<td>Advanced Artificial Intelligence: PR: CAP 4630. AI theory of knowledge representation, “expert systems”, memory organization, problem solving, learning, planning, vision, and natural language. Fall.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>CAP 5725</td>
<td>ECS-CS</td>
<td>Computer Graphics I: Architectures of graphics processor, display hardware, principles of programming and display software; problems and applications of graphic systems. Spring.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>CBH 3003</td>
<td>COS-PSYCH</td>
<td>Comparative Psychology: PR: PSY 2012. A study of comparative behaviors of lower animals. Occasional.</td>
<td>3(3,0)</td>
<td></td>
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<tr>
<td>CCE 4003</td>
<td>ECS-CECE</td>
<td>Introduction to the Construction Industry: PR: EGN 3613, ENV 3001, ENGG 3330 with a grade of “C” or better. Project delivery systems, construction contracts; estimating and scheduling; ethics and labor issues. Multi-disciplinary experience in engineering. Fall, Spring.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>CCE 4004</td>
<td>ECS-CECE</td>
<td>Construction Methods: PR: CES 4100C. Construction methods for civil and structural systems, design of temporary structures, safety, and building codes. Spring.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>CCE 4034</td>
<td>ECS-CECE</td>
<td>Construction Estimating and Scheduling: PR: CCE 4003. 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.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>CCE 4402</td>
<td>ECS-CECE</td>
<td>Construction Equipment and Productivity: PR: CCE 4003, CEE 3003. Selection of appropriate equipment based on operational parameters. Principles of construction production measurement and analysis. Discrete event simulation. Occasional.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>CCE 4810C</td>
<td>ECS-CECE</td>
<td>Construction Design Project: PR: Senior Standing, CCE 4034, and CCE 4004. The preparation and development of a proposal and plan for a construction project, including construction engineering systems, site facilities, construction methods, coordination, leadership, and control. Fall, Spring.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>CCE 4913</td>
<td>ECS-CECE</td>
<td>Mechanical and Electrical Systems for Buildings: PR: CCE 4003, PHY 2040L, CWR 3201. Design and construction of mechanical and electrical systems for buildings. Fall.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>CCE 5006</td>
<td>ECS-CECE</td>
<td>Introduction to Construction Industry: PR: Post-bac status or C.I. This course introduces students to the construction industry. Topics include project evaluation, project phases, project delivery systems, contracts, estimating and schedule drawing and specifications. Research paper required. Occasional.</td>
<td>3(3,0)</td>
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<tr>
<td>CCE 5036</td>
<td>ECS-CECE</td>
<td>Construction Estimation and Scheduling: PR: C.I. Provides students with an understanding of estimating and scheduling of construction projects. Topics include detailed estimation, scheduling and project control. Research paper required. Occasional.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>CCE 5205</td>
<td>ECS-CECE</td>
<td>Construction Methods: PR: Post-bac status or C.I. This class covers construction project evaluation principles and priority construction methods for civil and structural systems. Occasional.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>CCE 5406</td>
<td>ECS-CECE</td>
<td>Construction Equipment and Productivity: PR: C.I. Selection of appropriate equipment based on operational parameters. Principles of construction production measurement and analysis. Discrete event simulation. Occasional.</td>
<td>3(3,0)</td>
<td></td>
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<tr>
<td>CCE 5515</td>
<td>ECS-CECE</td>
<td>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.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>CCJ 3014</td>
<td>HPA-CJ/LS</td>
<td>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.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>CCJ 3024</td>
<td>HPA-CJ/LS</td>
<td>Criminal Justice System: An examination of the components and their interdependence in light of their traditional autonomy. Fall, Spring.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>CCJ 3050</td>
<td>HPA-CJ/LS</td>
<td>Criminal Justice System: PR: CCJ 3024. Study of criminal justice system evolution. Focus on developments contributing to the institutions and practices of the American criminal justice system. Occasional.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>CCJ 3450</td>
<td>HPA-CJ/LS</td>
<td>The Criminal Justice Manager: PR: CCJ 3024 or C.I. Elements of first-line supervision and executive development, Administrative leadership; its nature; methods, and traits. Recent theories and research in leadership. Occasional.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>CCJ 3451</td>
<td>HPA-CJ/LS</td>
<td>Justice System Technology: PR: CCJ 3024 or C.I. An examination of the relevance of technological and institutional developments to justice systems and their applicability to the operations and management of the systems. Occasional.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>CCJ 3483</td>
<td>HPA-CJ/LS</td>
<td>Labor Relations in Criminal Justice: PR: CCJ 3450 or C.I. An examination of labor issues between the public sector labor relations in criminal justice to include management-employee relationships, collective bargaining, employer organizations, and federal-state laws. Fall, Spring.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>CCJ 3677</td>
<td>HPA-CJ/LS</td>
<td>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.</td>
<td>3(3,0)</td>
<td></td>
</tr>
</tbody>
</table>
UFC Courses and Descriptions

CCJ 4035 HPA-CJ/LS  3(3,0)
Crime and the Media: PR: CCJ 3024 or C.I. Explore how the criminal justice system, criminals, and crime are portrayed in the media and its impact on society and the criminal justice system. Fall, Spring.

CCJ 4054 HPA-CJ/LS  3(3,0)
Criminal Justice Ethics: Focuses on the ethical issues and problems commonly encountered in the criminal justice system (policy courts and corrections). Occasional.

CCJ 4064 HPA-CJ/LS  3(3,0)
Dimensions of the Criminal Justice System: PR: CCJ 3024 or C.I. Elements of Criminal Justice approach to genocides, including theories, precursors, cases studies, organization, legal outcomes, and criminal justice majors’ roles in studying and preventing genocides. Occasional.

CCJ 4076 HPA-CJ/LS  3(3,0)
Criminal Justice Capstone: Designed to provide advanced data analysis skills that will enable a crime analysis sophistication methodologies to crime analysis. Occasional.

CCJ 4129 HPA-CJ/LS  3(3,0)
Cultural Diversity in Criminal Justice: PR: CCJ 3024. This course focuses on the problems and issues associated with race, ethnic and gender relations in the administration of justice in a democratic society. Occasional.

CCJ 4195 HPA-CJ/LS  3(3,0)
Interviews & Interrogations in C.J.: PR: CCJ 3024 (Criminal Justice System) and C.J. Major or C.I. The criminal justice interview process including history of criminal justice interviews, the use of Miranda, non-verbal listening, and the rules of testimonial evidence. Fall, Spring.

CCJ 4296 HPA-CJ/LS  3(3,0)
Famous Crimes & Trials: PR: CCJ 3014 or CCJ 3024 or consent of instructor. A detailed examination of selected famous American crimes and trials since 1900. Occasional.

CCJ 4361 HPA-CJ/LS  3(3,0)
Death Penalty: PR: CCJ 3024. This course provides students an opportunity to analyze and discuss complex issues surrounding the death penalty and the criminal justice system. Occasional.

CCJ 4461 HPA-CJ/LS  3(3,0)
Organized Crime: An examination of organized crime, including structures, history and activities, and issues surrounding efforts to define and control it. Occasional.

CCJ 4464 HPA-CJ/LS  3(3,0)

CCJ 4451 HPA-CJ/LS  3(3,0)
Drugs and Crime: Focuses on the problems of drugs and drug control in contemporary society. Students will examine the problems of drugs in our society as well as specific strategies used by criminal justice agencies to prevent and control illicit drug use. Fall, Spring.

CCJ 4670 HPA-CJ/LS  3(3,0)
Women and Crime: This course covers women as criminal justice offenders and prisoners, as well as crime victims and professionals working in the system. Occasional.

CCJ 4681 HPA-CJ/LS  3(3,0)

CCJ 4690 HPA-CJ/LS  3(3,0)
Sex Offenders and the Criminal Justice System: PR: CCJ 3024 or C.I. Provides students a better understanding of how the criminal justice system deals with sex offenders and their offenses. Fall, Spring.

CCJ 4701 HPA-CJ/LS  3(3,0)
Research Methods in Criminal Justice: Overviews the social science research methodologies used in criminal justice, covers the major forms of research designs used by social science and evaluates their strengths and weaknesses. Fall, Spring.

CCJ 4934 HPA-CJ/LS  1-3(1-3,0)
Emergent Criminal Justice Issues: PR: CCJ 3024 or C.I. Developing trends and issues in criminal justice facing administrators, practitioners, and researchers. May be repeated for credit. Occasional.

CCJ 5015 HPA-CJ/LS  3(3,0)
The Nature of Crime: PR: Admission to Criminal Justice 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 criminals. Occasional.

CCJ 5073 HPA-CJ/LS  3(3,0)
Data Management Systems for Crime Analysis: PR: Graduate standing or C.I. This course is designed to provide the conceptual basis, understanding, and skills necessary for complex crime data manipulation. Fall.

CCJ 5406 HPA-CJ/LS  3(3,0)
Research and Technology Implementation: Changing roles of social and physical sciences as related to the objectives and administration of public safety agencies. Occasional.

CCJ 5456 HPA-CJ/LS  3(3,0)
The Administration of Justice: PR: Admission to Criminal Justice Master’s program or C.I. This course provides an overview of the criminal justice administration and critical analysis of formal and informal processing of offenders by criminal justice agencies. Fall, Spring.

CCJ 5467 HPA-CJ/LS  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/LS  3(3,0)
Professionalism in Criminal Justice Organizations: PR: Graduate standing or C.I. Historical evolution of professionalism in criminal justice organizations and how it has changed the structure or practices of each involved agency. Occasional.

CCJ 5617 HPA-CJ/LS  3(3,0)

CCJ 5675 HPA-CJ/LS  3(3,0)
Human Rights and Criminal Justice: PR: Senior scholar or graduate standing or C.I. Provides in-depth analysis of the human rights movement and its potential impact upon criminal law as well as the juvenile and criminal justice systems. Occasional.

CCJ 5931 HPA-CJ/LS  3(3,0)
Contemporary Criminal Justice Strategies: PR: Graduate standing or C.I. Graduate level analysis of contemporary criminal issues and the reactions of the criminal justice system to combat those crimes at both the national and international levels. May be used in the degree program a maximum of 3 times. Occasional.

CCJ 5934 HPA-CJ/LS  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 responsibilities of agents as investigators. May be used in the degree program a maximum of 4 times. Occasional.

CDA 3103 ECS-CS  3(3,0)
Computer Logic and Organization: PR: COP 3223; CR: COT 3100C. Logic design, computer arithmetic, Instruction Set Architecture (MIPS, SPIM simulator), computer system performance, data path, control unit, memory hierarchy, I/O interface. Fall, Spring.

CDA 4150H ECS-CS  4(1,1)
Honors Computer Architecture: PR: Consent of Honors and COP 3402 and CDA 3310C. Basic processor design, hardwired and microprogrammed control, ALU, memory organization, pipelining, I/O and computer arithmetic. With Honors level content. Occasional.

CDA 5106 ECS-CS  3(3,0)
Advanced Computer Architecture: PR: EEL 4481C. Modern processor design, instruction-level parallelism, thread-level parallelism, data-level parallelism, memory hierarchy, and I/O. Fall, Spring.

CDA 5110 ECS-CS  3(3,0)
Parallel Architecture and Algorithms: PR: COT 4210, CDA 5106. General-purpose vs. special-purpose parallel computers; arrays, meshes, one- and two-dimensional arrays, memory hierarchy; taxonomy; parallelization techniques; communication. Fall, Spring.

CDA 5215 ECS-CS  3(3,0)
Network- and System-Level Design: PR: Graduate standing or consent of CDA 4768C. Overview of VLSI technology. Design of basic subsystems; integrated system design tools; design of a VLSI computer system. Occasional.

CDA 5532 ECS-CS  3(3,0)

CCE 3301 ECS-CE  3(3,0)
Engineering and Environmental Geology: PR: EGN 3310 and CHS 1440 or equivalent. Principles of physical geology, with emphasis on engineering and environmental topics. Study of land forms, geologic maps, geologic structure, weathering, groundwater, mass wasting, and earthquakes. Occasional.

CCE 4011C ECS-CE  3(2,2)
Geotechnical Engineering I: PR: EGN 3331 with a grade of "C" (2.0) or better and CWR 3201. Engineering properties and classification of soils. Design considerations for compaction, seepage, consolidation, and settlement analysis. Fall, Spring. M&S fee: $30.00

CCE 4801C ECS-CE  3(2,2)
Geotechnical Engineering Design: PR: CEG 4011C. Project course on design of foundations and other soil structures using geotechnical design methodologies. Fall, Spring. M&S fee: $15.00

CCE 4812 ECS-CE  1(1,0)
Historical Developments in Civil Engineering: Seminar covering major historical developments in civil engineering. Occasional.

CCE 5015 ECS-CE  3(3,0)
Geotechnical Engineering II: PR: CEG 4011C. Continuation of CEG 4011C with emphasis on shear strength and design factors for earth pressures, bearing capacity, and slope stability. Occasional.

CCE 5405 ECS-CE  3(3,0)
Seepage in Soils: PR: CEG 4011C. Principles of flow through soils, flow nets, analytical solutions; seepage forces, design of filters and drainage layers; dewatering, drainage in dams, embankments, and pavement systems. Even Spring.

CCE 5700 ECS-CE  3(3,0)
Geo-Environmental Engineering: PR: CEG 4011C. Geotechnical applications to environmental problems, groundwater flow, soil contamination and groundwater contaminant transport, geosynthetic and stability of landfill design, control of contaminated sites. Occasional.

CEN 4020 ECS-CS  3(3,0)
Component-based Engineering Software: PR: EEL 4851C, EEL 4882. In-depth treatment of component-based software development including analysis design and implementation of correct and reusable software in different component levels. Occasional.

CEN 5016 ECS-CS  3(3,0)
Software Engineering: PR: COP 4331C. Application of formal software processes, engineering methods, and documentation standards to the development of large scale software systems. A team project is required. Spring.
### UCF Courses and Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CES 5326</td>
<td>Web Server Configuration and Maintenance</td>
<td>3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>CES 4100C</td>
<td>Introduction to Continuous Frames</td>
<td>4(3,3)</td>
<td>PR: EG 3533 with a grade of &quot;C&quot; (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&amp;S fee: $21.00</td>
</tr>
<tr>
<td>CES 4101</td>
<td>Matrix Methods for Structural Analysis</td>
<td>3(3,0)</td>
<td>PR: CES 4100C or C.I. Introduction to matrix structural analysis, 2D and 3D structural models, special topics and modeling techniques, software tools for structural engineers for computer based applications. Occasional.</td>
</tr>
<tr>
<td>CES 4605</td>
<td>Steel Structures</td>
<td>3(3,0)</td>
<td>PR: CES 4100C. Design of structural steel members and buildings on AISC-ASD building code. Introduction to AISC-LRFD building code; tension and compression members, beams, beam-columns, connections. Fall.</td>
</tr>
<tr>
<td>CES 4080C</td>
<td>Computer Organization and Design</td>
<td>3(2,2)</td>
<td>PR: CES 4065. Project course on design of computer components, connections, and frame structures using AISC specifications. M&amp;S fee: $15.00</td>
</tr>
<tr>
<td>CES 4072</td>
<td>Reinforced Concrete Structures</td>
<td>3(3,0)</td>
<td>PR: CES 4000C or C.I. Design of RC members using ACI code; beam flexure and shear; compression bending; bond and development; introduction to continuous frames. Spring.</td>
</tr>
<tr>
<td>CES 4079C</td>
<td>Concrete Design</td>
<td>3(3,2)</td>
<td>PR: CES 4702. Project course on design of concrete structures using concrete and structural analysis methodologies. Fall, M&amp;S fee: $15.00</td>
</tr>
<tr>
<td>CES 5144</td>
<td>Matrix Methods for Structural Analysis</td>
<td>3(3,0)</td>
<td>PR: CES 4100C or C.I. Implementation of the matrix methods for structural analysis that are commonly and currently used in practice and in research, special topics such as finite element formulations, special analysis procedures, and use of software packages. Occasional.</td>
</tr>
<tr>
<td>CES 5325</td>
<td>Bridge Engineering</td>
<td>3(3,0)</td>
<td>PR: CES 4605 and CES 4702 or C.I. Building foundations, design philosophies, analysis and design concepts for concrete and steel bridges, AASHTO specifications, Bridge rating, and introduction to Bridge health monitoring. Occasional.</td>
</tr>
<tr>
<td>CES 5069</td>
<td>Advanced Steel Structures</td>
<td>3(3,0)</td>
<td>PR: CES 4605. Behavior of design of steel buildings; emphasis on AISC-LRFD building code; complex connections, tension members, stability of compression members, laterally unsupported beams, frames, and beam columns. Occasional.</td>
</tr>
<tr>
<td>CES 5706</td>
<td>Advanced Reinforced Concrete</td>
<td>3(3,0)</td>
<td>PR: C.I. Design of frames, two-way floor systems, shear walls, shear and torsion; compression field theory; inelastic analysis; wind and seismic design; introduction to prestressed concrete. Occasional.</td>
</tr>
<tr>
<td>CES 5821</td>
<td>Masonry and Timber Design</td>
<td>3(3,0)</td>
<td>PR: C.I. Structural properties of masonry and timber; design loads-codes and standards; analysis for axial loads, flexure and shear. Occasional.</td>
</tr>
<tr>
<td>CET 2124</td>
<td>Microcomputer Technology I</td>
<td>3(3,0)</td>
<td>PR: High level programming language. Microcomputer assembly programming including overview of architecture and operating system environment. Fall.</td>
</tr>
<tr>
<td>CET 2364</td>
<td>Systems Applications in C/C++</td>
<td>3(3,0)</td>
<td>PR: MAC 1105 or C.I. Use of C language in control of system processes, DDBS and relational databases, design and interfacing assembly language. Introduction to programming techniques and the C/C++ programming languages. Fall, Spring.</td>
</tr>
<tr>
<td>CET 3010</td>
<td>Introduction to Information Technology</td>
<td>3(3,0)</td>
<td>PR: MAC 1105. An introduction to IT field, including binary representation, graphics, data compression, information theory, transmission and storage technology, and communications. Fall, Spring.</td>
</tr>
<tr>
<td>CET 3115C</td>
<td>Digital Technology</td>
<td>4(3,2)</td>
<td>PR: MAC 1105 and C.I. Digital logic gates, memory devices, Karnaugh Maps, combinational logic, arithmetic units, registers and sequential logic. Fall, Spring.</td>
</tr>
<tr>
<td>CET 3198C</td>
<td>Digital Systems</td>
<td>3(3,2)</td>
<td>PR: CET 2364 or equivalent. Study of system analysis, design, development and implementation cycle. Includes Object Oriented Programming (OOP) to implement system programs. May be repeated for credit. Spring.</td>
</tr>
<tr>
<td>CET 3529</td>
<td>Linux/Unix System Administration</td>
<td>3(3,0)</td>
<td>PR: CET 2364 or equivalent. Installation, creation and maintenance of file systems, backups, and configuration. Fall, Spring.</td>
</tr>
<tr>
<td>CET 3679</td>
<td>Intro to Telephony</td>
<td>3(3,0)</td>
<td>PR: EET 3308C or equivalent or C.I. An introductory level course in telephony technology. The telephone system, telephone connectivity and services of telephony. Fall.</td>
</tr>
<tr>
<td>CET 4134C</td>
<td>Microprocessor Electronics II</td>
<td>3(2,4)</td>
<td>PR: CET 4133C or equivalent. Computer architecture and interfacing between computer and peripheral devices. Assembly language programming interfacing hardware characteristics as applications are covered. Occasional. M&amp;S fee: $45.00</td>
</tr>
<tr>
<td>CET 4138C</td>
<td>Digital Programmable Devices</td>
<td>3(3,2)</td>
<td>PR: CET 3198C or equivalent and C.I. Architecture and applications of various types of programmable logic devices. Design entry methods, e.g. HDLM, schematic capture, etc. Lab exercises using PALS, PLDs, and FPGA. Occasional.</td>
</tr>
<tr>
<td>CET 4333</td>
<td>Computer Organization and Design</td>
<td>3(3,0)</td>
<td>PR: CET 3115C. Basic computer architecture and system design. An introduction to memory, processor, bus and I/O organization. Occasional.</td>
</tr>
<tr>
<td>CET 4343C</td>
<td>Applied Computer Systems II</td>
<td>3(3,0)</td>
<td>PR: CET 4333. High performance computer architecture. Parallel processing and scalable shared-memory multiprocessing. May be repeated for credit. Occasional.</td>
</tr>
<tr>
<td>CET 4427</td>
<td>Applied Database I</td>
<td>3(3,0)</td>
<td>PR: CET 2364 or equivalent. Design and implementation of database systems within the concept of central administration, structured data storage. Programming project. May be repeated for credit. Fall, Spring.</td>
</tr>
<tr>
<td>CET 4429</td>
<td>Applied Database II</td>
<td>3(3,0)</td>
<td>PR: CET 4427. Continuation of CET 4427. Study of hierarchical database system. Programming project is required. May be repeated for credit. Spring.</td>
</tr>
<tr>
<td>CET 4483</td>
<td>Intro to Local Area Network Technology</td>
<td>3(3,0)</td>
<td>PR: CET 3308C or equivalent and C.I. An introductory level course in local area networks. Topics in data communications, computer networking, local area network technology, topologies, and protocols will be covered. May be repeated for credit. Spring.</td>
</tr>
<tr>
<td>CET 4505</td>
<td>Applied Operating Systems I</td>
<td>3(3,0)</td>
<td>PR: CET 3308C or equivalent and C.I. Designing the operating systems to support new types of devices. Analysis of limitations and strengths of commercial microcomputer operating systems in the industry. O.S. tool box usage. May be repeated for credit. Fall.</td>
</tr>
<tr>
<td>CET 4523</td>
<td>Applied Systems Analysis II</td>
<td>3(3,0)</td>
<td>PR: CET 3383. Continuation of CET 3383, with emphasis on distributed processing which includes the interfacing of minis, mainframes, software, communications, and data base technology into a responsive information system. Occasional.</td>
</tr>
<tr>
<td>CET 4583</td>
<td>Web Based Systems I</td>
<td>3(3,0)</td>
<td>PR: CET 2364. Introduction to web systems with emphasis on server configuration, web standards, and portal design. Occasional.</td>
</tr>
<tr>
<td>CET 4584</td>
<td>Web Based Systems II</td>
<td>3(3,0)</td>
<td>PR: CET 3383. Advanced web development and use of current technology (CGI, Java, XML, DHTML) to provide interactivity. Fall.</td>
</tr>
<tr>
<td>CET 4663</td>
<td>Computer and Network Security</td>
<td>3(3,0)</td>
<td>PR: CET 2364, MAC 1105. Fundamentals of computer security technology, including cryptography, authentication, digital signatures, and network security tools and applications. Fall.</td>
</tr>
<tr>
<td>CET 4688</td>
<td>Practice of Information Security</td>
<td>3(3,0)</td>
<td>PR: CET 4663 and CET 4884 or C.I. Practice in the technical, legal, and management issues of physical, operational, computer and information security by means of an actual consulting assignment. Occasional.</td>
</tr>
<tr>
<td>CET 4741I</td>
<td>Computer Networking Laboratory</td>
<td>3(3,0)</td>
<td>PR: CET 4741. Laboratory exercises to enhance the understanding of concepts/principles discussed in computer networking and data communication texts. Occasional.</td>
</tr>
<tr>
<td>CET 4749C</td>
<td>Wide Area Networks II</td>
<td>3(3,0)</td>
<td>PR: CET 3769 or CET 4485, or C.I. Designing Wide Area Networks; determining requirements, designing the networks, choosing appropriate technologies, and evaluating results. Fall.</td>
</tr>
<tr>
<td>CET 4882</td>
<td>Network Defense Strategies</td>
<td>3(3,0)</td>
<td>PR: CET 4663. Secure implementation and use of preventative controls when designing network architectures. Tools covered include firewalls, routers, and other components. Occasional.</td>
</tr>
<tr>
<td>CET 4884</td>
<td>Security Methods and Practice</td>
<td>3(3,0)</td>
<td>PR: CET 2364 or C.I. Computer and information security; how security is designed, implemented, and managed in the public and private sector using technology, policies and leadership. Spring.</td>
</tr>
<tr>
<td>CET 4885</td>
<td>Investigative Digital Technology</td>
<td>3(3,0)</td>
<td>PR: CET 4663. Forensic related issues related to computers and networks. Topics include identifying, analyzing, and interpretation of digital evidence and related legal issues. Fall.</td>
</tr>
<tr>
<td>CET 4889</td>
<td>Security Sensor Technology and Biometrics</td>
<td>3(3,0)</td>
<td>PR: CET 4663 or C.I. Biometric identification. Techniques for extracting trait information for individual identification. Topics include multimodal biometrics, performance evaluations, biometric templates and privacy. Spring.</td>
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<tr>
<td>Course Code</td>
<td>Title</td>
<td>Credits</td>
<td>Description</td>
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<tr>
<td>CET 4931</td>
<td>ECS-ENT Current Topics in Technology: PR: C.I. Study of recent state-of-art computer-related topics from recognized electronic and computer-oriented technical journals and texts. Requires written and verbal communication. Occasional.</td>
<td>3(3,0)</td>
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<tr>
<td>CET 5012</td>
<td>ECS-ENT Information and Communications Infrastructure: PR: Graduate standing or C.I. This course provides an overview of information systems in the technology world. Topics include hardware, software, database-related technologies, and telecommunications systems. Fall.</td>
<td>3(3,0)</td>
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<tr>
<td>CEN 3501C</td>
<td>ECS-CECE Civil Engineering Materials: PR: EGN 3333 with a grade of &quot;C&quot; (2.0) or better. CHM 2046. The characterization of materials used in civil engineering works to include concrete, bituminous, polymers and composite materials. Fall. Spring. M&amp;S fee: $30.00</td>
<td>3(2,3)</td>
<td></td>
</tr>
<tr>
<td>CEN 4300</td>
<td>ECS-CECE Civil Engineering Systems: PR: EGN 3613. MAC 2313; STA 3032. Mathematical techniques commonly associated with operations research and economics which are applicable to the planning, design, and operation of civil engineering systems. Occasional.</td>
<td>3(0,0)</td>
<td></td>
</tr>
<tr>
<td>CEN 4808C</td>
<td>ECS-CECE Civil Engineering Capstone Design: PR: one of the following courses - TTE 4601C, CEG 4608C, CWR 4912C, ENV 4502C, CEG 4601C, or CORS 4608C. An interdisciplinary capstone design experience requiring problem definition, data collection, analysis of alternatives, economic evaluation of alternatives, and oral and written presentation of final design. Fall. Spring.</td>
<td>3(2,2)</td>
<td></td>
</tr>
<tr>
<td>CEN 5320C</td>
<td>ECS-CECE Geographic Information Systems: Programming theory and application of Geographic Information Systems to Civil Engineering projects. Occasional.</td>
<td>3(2,2)</td>
<td></td>
</tr>
<tr>
<td>CEN 5504C</td>
<td>ECS-CECE Civil Engineering: PR: EGN 3365, EGN 3331, or C.I. Structure, properties, and applications of materials used in civil engineering including concrete, steel, asphalt, wood, soils, and composite materials. Occasional.</td>
<td>3(2,2)</td>
<td></td>
</tr>
<tr>
<td>CEN 5506C</td>
<td>ECS-CECE Asphalt Concrete Mix Design: PR: CEG 4011C. Properties of asphalt, aggregate and asphalt mixtures. Marsh funnel design, Hveem mix design, pavement rehabilitation. Occasional.</td>
<td>3(2,2)</td>
<td></td>
</tr>
<tr>
<td>CEN 1060C</td>
<td>ECS-CS Introduction to Computer Science: History, typical computer, number systems, control and data flow, peripheral components, memory devices, effects of computers on society, applications of computers. Not open to Computer Science Majors. Fall, Spring. M&amp;S fee: $15.00</td>
<td>3(2,2)</td>
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<tr>
<td>CEN 1060H</td>
<td>ECS-CS Honors Introduction to Computer Science: PR: Permission of Honors. History, number systems, control and data flow, peripheral components, memory devices, effects of computers on society, applications of computers. Not open to Computer Science Majors. Occasional. M&amp;S fee: $15.00</td>
<td>3(2,2)</td>
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<tr>
<td>CEN 2100C</td>
<td>ECS-CS Computer Fundamentals for Business: Uses of computer in business, including computer applications, commercial packages, and the Internet. Not open to Computer Science majors. Fall, Spring. M&amp;S fee: $15.00</td>
<td>3(2,1)</td>
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<tr>
<td>CEN 2545C</td>
<td>ECS-CS Database Concepts: PR: CEG 1060C or equivalent. Entity-relationship model, relational database management systems, normal forms, performance or databases, report generation. Fall, Spring.</td>
<td>3(2,1)</td>
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</tbody>
</table>

### CHM Courses and Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 1032L</td>
<td>COS-CHEM General Chemistry Laboratory: PR: or CR: CHM 1046. Priority will be given to students whose major requires this course. This introductory laboratory course covers basic principles of chemistry, primarily oriented toward Health Science majors. The &quot;NC&quot; grading policy applies to this course. Fall. Spring. M&amp;S fee: $45.00</td>
<td>1(0,3)</td>
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<tr>
<td>CHM 2040C</td>
<td>COS-CHEM Chemistry Fundamentals I: PR: A minimum score of 550 (SAT) or 24 (ACT) in the mathematics section. MAC 1105 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 measurements, basic physical theory of chemical reactivity, stoichiometry, reactions in aqueous solutions, thermostochimistry. The &quot;NC&quot; grading policy applies to this course. Fall. Spring. M&amp;S fee: $6.00</td>
<td>3(2,1)</td>
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<tr>
<td>CHM 2041C</td>
<td>COS-CHEM 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. Same as CHM 2045C with honors-level content. Fall, Spring. M&amp;S fee: $9.00</td>
<td>3(2,1)</td>
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<tr>
<td>CHM 2045C</td>
<td>COS-CHEM Chemistry Fundamentals I: PR: A passing score on the Chemistry Placement Exam, or 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, thermostochimistry, atomic structure, periodicity, chemical bonding, states of matter, gases. The &quot;NC&quot; grading policy applies to this course. Spring.</td>
<td>3(2,1)</td>
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<tr>
<td>CHM 2046C</td>
<td>COS-CHEM Chemistry Fundamentals II: PR: &quot;C&quot; 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 &amp; CHM 2041C sequence. Intermolecular forces, solutions and colligative properties. Equilibria, thermodynamics, chemical kinetics, electrochemistry, nuclear chemistry. Fall, Spring.</td>
<td>3(0,0)</td>
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<tr>
<td>CHM 2046H</td>
<td>COS-CHEM Honors Chemistry Fundamentals II: PR: CHM 2045H and permission of Honors. Same as CHM 2046C but with honors-level content. Spring and Summer. M&amp;S fee: $35.00</td>
<td>3(3,0)</td>
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<tr>
<td>CHM 2046L</td>
<td>COS-CHEM Chemistry Fundamentals Laboratory: CR: CHM 2046. Priority will be given to students whose major requires this course. Illumination 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&amp;S fee: $34.00</td>
<td>1(0,3)</td>
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<tr>
<td>CHM 2055S</td>
<td>COS-CHEM Introduction to Organic and Biochemistry: PR: CHM 1032 or equivalent. An introduction to organic chemistry, stressing the chemistry of functional groups and a survey of selected topics in the chemistry of proteins, carbohydrates, lipids, and nucleic acids. Spring, Fall.</td>
<td>5(5,0)</td>
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<tr>
<td>CHM 2210</td>
<td>COS-CHEM 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, stereochemistry, Structure elucidation via spectrometric techniques. Fall, Spring.</td>
<td>3(3,0)</td>
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CHM 2211L 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: $45.00

CHM 3120L 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. Continued study of classical and instrumental analysis of solids and liquids. PR: CHM 2210 and CHM 3211L. Open-end laboratory to develop techniques and structure elucidation skills. IMPORTANT: Attendance of the first laboratory session dealing with safety procedures is mandatory; students who do not attend must immediately call the Chemistry Department, and may be dropped from the class. Fall. M&S fee: $25.00

CHM 3140L COS-CHEM 4(3,0)
Physical Chemistry I: PR: CHM 2046, PHY 2049C, and MAC 2312. Rigorous treatment of atomic and molecular structure, thermodynamics, kinetics, and chemical bonding. Fall.

CHM 3141L COS-CHEM 3(3,0)
Physical Chemistry II: PR: CHM 3140. Continuation of CHM 3140L. Spring.

CHM 3141L COS-CHEM 2(0,6)
Physical Chemistry Laboratory: PR: CHM 3120 and CR: CHM 3141. 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: $41.00

CHM 3422 COS-CHEM 3(3,0)

CHM 4130 COS-CHEM 3(3,0)
Advanced Analytical Laboratory Technique: PR: CHM 2211, CHM 3210 (with a minimum grade of "C" or 2.0), and CR: CHM 3411 or PR: CHM 3422. Modern methods of analysis including electrochemistry, spectrophotometry, and separation techniques. Spring.

CHM 4130L COS-CHEM 2(0,6)
Advanced Analytical Chemistry Laboratory: PR: or CR: CHM 4130. This course focuses on the experimental exercise of instrumental methods of analysis. Successful students will develop practical skills performing experiments based on spectroscopic and chromatographic methods of analysis. Statistical data treatment of experimental results will be also exercised. Spring. M&S fee: $25.00

CHM 4220 COS-CHEM 3(3,0)

CHM 4610L COS-CHEM 3(3,0)

CHM 4610L COS-CHEM 2(0,6)
Inorganic Chemistry Laboratory: PR: CHM 4610. A study of physical and chemical properties and synthetic techniques in Inorganic Chemistry. Fall. M&S fee: $25.00

CHM 4914C COS-CHEM 1(1,1)
Undergraduate Research Methods: PR: CHM 2211 or CR: CHM 3120. 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 Synthesis: PR: CHM 3120, graduate status or senior standing, or C.I. Theoretical and physical organic concepts of organic systems from the perspectives of modern structural theory, thermodynamics, and kinetics. Odd Fall.

CHM 5235 COS-CHEM 3(3,0)
Applied Molecular Spectroscopy: PR: CHM 3210 and CHM 2211, and graduate status or senior standing or C.I. Determination of chemical structure through interpretation of UV, IR, NMR and Mass Spectra. Occasional.

CHM 5305 COS-CHEM 3(3,0)
Biological Chemistry I: PR: CHM 3111, graduate status or senior standing or C.I. An introduction to the chemistry of living systems. PR: CHM 3111, graduate student or senior standing or C.I. The identification of body fluids and the use of genetic markers to establish identity. 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. PR: CHM 3111, graduate student or senior standing or C.I. The identification of polymers and polymer properties will be considered. Even Fall.

CHM 5451C COS-CHEM 3(1,5)
Techniques in Polymer Science: PR: CHM 2211 and CHM 3410, graduate status or senior standing, or C.I. A laboratory and lecture course designed to introduce students to the major polymerization mechanisms along with polymer characterization and processing methods using modern instrumentation. Odd Fall. M&S fee: $45.00

CHM 5580 COS-CHEM 3(3,0)
Advanced Physical Chemistry: CR: CHM 3411 and PR: MAC 2313, and graduate status or senior standing or C.I. Selected topics of thermodynamics, kinetics, quantum mechanics, and structure. Occasional.

CHM 5715C COS-CHEM 2(3,2)
Optical Materials Processing and Characterization Techniques: PR: CHM 3411 and CHM 4610 or equivalent. Glasses, crystals and polymeric materials will be processed and characterized for their properties. Laboratory will emphasize material structure and physical property relationships. Occasional.

CHS 4301 COS-CHEM 3(3,0)
Introduction to Forensic Science: PR: Preference will be given to students who 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 2040C. Traditional and the polarized light microscope and its use in the identification and comparison of trace evidence. Fall. M&S fee: $45.00

CHS 3511C COS-CHEM 4(2,6)
Trace Evidence: PR: "C" grade or better in CHS 3505C & CHM 2211. An advanced study of the techniques used to identify and compare trace evidence. 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 analysis 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 3501. Fall, Spring. Study of drugs, biological matrices, and instrumental techniques used in identification of controlled substances. Fall. M&S fee: $45.00

CHS 3533 COS-CHEM 2(0,2)
Forensic Biochemistry I: PR: "C" or better in PCB 3563 and PCB 3533. Concepts and procedures of contemporary forensic biochemistry, including the identification of body fluids and the use of genetic markers to establish identity. Fall.

CHS 3533L COS-CHEM 1(0,3)
Forensic Biochemistry Laboratory I: PR: "C" grade or better in DSC 2040C, PCB 3563, PCB 3504, PCB 3523, PCB 3533, and CR: 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: $45.00

CHS 3540C COS-CHEM 2(1,3)
Fire and Debris Analysis I: PR: CHM 3120 and C.I. A laboratory/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 3502 and Forensic Science major. The special needs of the forensic scientist in preparing for and participating in courtroom proceedings. Spring.

CHS 3949 COS-CHEM 0(0,8)
Cooperative Education in Chemistry: PR: Departmental permission required before registering. Cooperative education experience in chemistry. Graded SU. May be repeated for credit. Occasional.

CHS 4200 COS-CHEM 3(3,0)

CHS 4506C COS-CHEM 3(2,3)
Forensic Investigation Technology: PR: A grade of "C" or better in CHS 3505C or C.I. Modern technology applied to forensic investigation. Occasional.

CHS 4515C COS-CHEM 4(2,6)
Forensic Crime Scene Investigation: PR: Grade of "C" or better in CHS 3511C. Procedures for the investigation of arson, explosives, and crime scenes. Occasional.

CHS 4534C COS-CHEM 3(1,6)
Terrorism and Communication:

Role of Motivation in Communication:

Intercultural Communication:

Conflict Management:

Operating Systems Design Principles:

Parallel and Distributed Database Systems:

Introduction to Discrete Structures:

Discrete II:

Numerical Calculus:

Topics in Computer Science:

Operational Research in Artificial Intelligence:

Computational Geometry:

Design and Analysis of Algorithms:

Comparative Politics:

COP 3502C ECS-CS 3(3,1) Computer Science II: PR: COP 3502C and COP 3100C. Algorithm design and analysis for tree, list, set, and graph data models; algorithmic strategies and applications, and algorithmic complexity analysis; sorting and searching; practical applications. Fall, Spring.

COP 3502H ECS-CS 3(3,1) Honors Computer Science II: PR: Permission of Honors and (COP 3502H or COP 3502C) and COP 3300 (and MAD 2104 or COP 3100C). Algorithm design and analysis for tree, list, set, and graph data models; algorithmic strategies and applications, and algorithmic complexity analysis; sorting and searching; practical applications. With honors consent. Fall.

COP 4020 ECS-CS 3(3,0) Programming Languages I: PR: COP 3503C and COP 3360. Paradigms and fundamental concepts of programming languages are presented, including: scope, binding, abstraction, encapsulation, typing etc. Design paradigms: object-oriented, functional and logic programming are presented. Fall, Spring.


COP 4516C ECS-CS 3(1,3) Problem Solving Techniques and Team Dynamics: PR: COP 3502C. Design and implement solutions to problems requiring the applications of the different algorithms. Team project format. Occasional.

COP 4520 ECS-CS 3(3,0) Concepts of Parallel and Distributed Computing: PR: COP 3323H and COT 3960. Parallel and distributed paradigms, architectures and algorithms, and the analytical tools, environments and languages needed to support these paradigms. Occasional.

COP 4600 ECS-CS 3(3,0) Operating Systems: PR: COP 3402 and COP 3503C and COP 3960. Parallel and distributed paradigms, architectures and algorithms, and the analytical tools, environments and languages needed to support these paradigms. Occasional.

COP 4610L ECS-CS 3(0,3) Operating Systems Laboratory: PR: COP 3502C. Exercises in the configuration, development, management and analysis of operating systems; OS Kernel support for semaphores and multi-tasking; security in a distributed heterogeneous environment. Fall, Spring.

COP 4710 ECS-CS 3(3,0) Database Systems: PR: COP 3503C. Storage and access structures, database models and languages, related database design, and implementation techniques for database management systems. Fall, Spring.

COP 4910 ECS-CS 3(3,0) Frontiers in Information Technology: PR: COP 4910L or COP 4703C. Research into leading edge information technology that have a high likelihood of affecting the workplace in the two to five year time frame. Spring.

COP 5021 ECS-CS 3(3,0) Program Analysis: PR: COP 4020 and COP 4210 or C.I. Static analysis of programs including theoretical and practical limitations, data flow analysis, abstract interpretation, and type and effect systems. Tools to automate program analysis. Even Spring.

COP 5537 ECS-CS 3(3,0) Network Optimization: PR: Graduate standing or C.I. Techniques for modeling complex, interconnected systems as networks; optimization with graph theory, algorithms, data structures, and computational complexity; statistical methods for studying large, evolving networks. Fall.
DIG 2821 CAH-DIG 3(3,0) Creative Digital Media Problem Solving: PR: Minimum grade of “B” (3.0) in DIG 2000. Practical tools to enhance the creative process in the development of new, novel, and useful ideas for digital media. Fall, Spring.


DIG 3035 CAH-DIG 1(1.0) Digital Media in the Workplace: PR: ENC 1132. Workplace skill preparation for Digital Media Practicum. Fosters lifelong learning strategies and digital portfolio development. May be used in the degree program a maximum of 4 times. Fall, Spring.

DIG 3134 CAH-DIG 3(3,0) Media Software Design: PR: DIG 2000 and COP 2500C with a minimum grade of “B” (3.0) in DIG 2000. Fundamentals of software design in Internet environments. Introduction to discrete mathematics, programming/design schema, and computational structures. Fall, Spring.

DIG 3155 CAH-DIG 3(3,0) Writing for Digital Media: PR: Minimum grade of “B” (3.0) in DIG 2000. Methodologies, fundamentals, and history of written communications for the digital age. Application of methods and fundamentals in the following areas: language theory, design concept, markup languages and the editing process. Fall, Spring.

DIG 3253C CAH-DIG 3(2,2) Digital Media Audio: PR: DIG 3480C. Audio production processes for multimedia and new media production, including examination of use of audio and MIDI sequencing software. Fall, Spring.

DIG 3355C CAH-DIG 3(2,2) Artificial Environments and Effects: PR: DIG 2485 and C.I. CR: DIG 3951. Design and manipulation to convey a story, thought, and concept in visual medium. New imagery in motion such as non-character entities, music videos, and scientific visualization. Fall.


DIG 3435G CAH-DIG 3(3,0) Interactive Performance I: PR: Admission to audition only. Digital Media, Theatre majors, or C.I. Techniques of interactive acting, with emphasis on interpersonal awareness and audience facilitation. Fall, Spring.

DIG 3450H CAH-DIG 3(3,0) Honors Interactive Performance I: PR: C.I. and consent of Honors. Techniques of interactive acting, with emphasis on interpersonal awareness and audience facilitation. With Honors consent. Occasional.


DIG 3525 CAH-DIG 3(3,0) Digital Media Production I: PR: DIG 2030C, DIG 210C, DIG 250C, and a minimum grade of “B” (3.0) in DIG 2000. Media project planning, organization and execution; group dynamics. Software tools for project planning, scheduling and management. Fall, Spring.

DIG 4624C CAH-DIG 3(1,4) 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 4630C CAH-DIG 3(2,2) Principles of Interactive Entertainment II: PR: DIG 4624C. Advanced principles of interactive digital content creation technologies and development processes. Fall.

DIG 5137 CAH-DIG 3(3,0) Information Architecture: PR: Film and digital media majors or C.I. Exploration of the process of formal design of interactive processes, examining the theories of usability and object oriented design. Fall.

DIG 5548C CAH-DIG 3(1,3) Rapid Prototype Production I: PR: Admission to Digital Media MS program or C.I. Theories and practices of produc- tion processes for interactive entertainment. Fall.


DIG 5627 CAH-DIG 3(3,0) Autonomous Characters: PR: Graduate status or senior standing or C.I. Interdisciplinary study of autonomous characters-computer programs that mimic human behavior in games, simulations and interactive literature. Formal models of strategy, tactics and actions. Occasional.

DIG 5810 CAH-DIG 3(3,0) Social Computing: PR: Admission to Digital Media MS program or C.I. Social computing and collective intelligence, cooperation between humans and software agents. Fall.

DIG 5853 CAH-DIG 3(3,0) Digital Forensics: PR: CGS 5131 (Computer Forensics I) or C.I. Application of digital scientific techniques to solve information assurance, forensic and legal problems. Fall, Spring.

DSC 4012 HPA-CJ/LS 3(3,0) Terrorism: PR: CCJ 3024 and CJE 4014 or C.I. Examination of competing ideologies of a variety of social and political conflicts (both international and domestic) that give rise to terrorism and of the implications for the criminal justice system. Occasional.


EAS 3706C COS-PsyCh 3(3.0) Behavior Modification - Part II: PR: EAS 3703. Continued examination of the principles of behavior analysis and their application, as well as ethical issues related to the delivery of behavior analysis programs. Occasional.

EAS 5765 COS-PsyCh 3(3.0) Applied Behavior Analysis with Children and Youth: PR: DEP 5567 and EXP 5445, and graduate status or senior standing or C.I. Advanced survey of principles, procedures, and techniques of applied behavior analysis, with special attention to applications with children and youth. Occasional.

EAS 3010 ECS-MMAE 3(3.0) Fundamentals of Aerospace Flight: PR: EGN 3321 and a "C" (2.0) or better in all of the following prerequisites: MAC 2311, MAC 2312 and PHY 2048. CR: EGN 3349. Fundamental theories of incompressible aerodynamics and flight mechanics, airflow theory, external and internal flows, airplane performance. Fall.


Analysis and systems design.

EML 4142. Direct methods of energy conversion; par-EAS 5302 ECS-MMAE  3(3,0)
EAS 4105; CR: EML 5060. Momentum theory, blade ele-
EML 5060. Aerodynamic characteristics of airfoils, finite

Techniques for optimizing interface requirements will be
covered. Occasional.

EAS 4210 ECS-MMAE  3(3,0)
Spacecraft Attitude Dynamics: PR: EML 4312C. Kinematics and dynamics of rigid and multi-body spacecraft
rotational motion. Attitude control with momentum exchange
actuators and thrusters. Occasional.

EAS 4400 ECS-MMAE  3(3,0)
Spacecraft Attitude Dynamics: PR: EML 4312C. Kinematics and dynamics of rigid and multi-body spacecraft
rotational motion. Attitude control with momentum exchange
actuators and thrusters. Occasional.

EAS 4400C ECS-MMAE  3(2,3)
Discrete Control in Aerospace Vehicles: PR: EML 4312C and EAS 3800C. Discrete control aspects of
aerospace vehicles, digital controller, design, state-space
representation, Z-transforms, system response. Spring. M&S
fee: $15.00

EAS 4505 ECS-MMAE  3(3,0)
Orbital Mechanics: PR: EGN 3321 and a "C" (2.0) or
better in all of the following: MAC 2311, MAC 2312, MAC
2313, MAC 2313L and MAC 2320 and MAC 2320L. Two-body problem, orbital elements, equation of
libration, earth satellite operation. Spring. Occasional.

EAS 4700C ECS-MMAE  3(1,6)
Aerospace Design I: PR: EAS 4200, EAS 3010, EAS
3800C, CR: EML 4312C, EAS 4991. Application of the
design process to the team solution of a state-of-the-art
problem. Analysis and space vehicles, systems and
deVICES are considered. Fall. Spring. M&S fee: $15.00

EAS 4710C ECS-MMAE  3(1,6)
Aerospace Design II: PR: EAS 4700C, EAS 4991.
Continuation of the design process in the team building
and testing of a prototype/model of an airplane, spacecraft,
spacecraft system or device. Spring. M&S fee: $45.00

EAS 4901 ECS-MMAE  0(0,0)
Aerospace Career and Academic Faculty
Advising II: PR: EAS 3990; CR: EML 4312C. Mandatory
meeting with students and their faculty advisor for career/
advising. Graded S/U. Fall, Spring.

EAS 5123 ECS-MMAE  3(3,0)
Intermediate Aerodynamics: PR: EAS 4124; CR:
EML 5010. Aerodynamic characteristics of airfoils, finite
wings, waves, wing-body combinations, viscous flow and

EAS 5157 ECS-MMAE  3(3,0)
V/Stol Aerodynamics and Performance: PR: EAS
4120; CR: EML 5010. Momentum theory, blade ele-
ment theory, hover and forward flight, stability, aerelastic-
ity. Occasional.

EAS 5302 ECS-MMAE  3(3,0)
Direct Energy Conversion: PR: EML 3101 and EML
4142. Direct methods of energy conversion; par-
ticular emphasis on fuel cells, thermoelectrics, thermionics,
solar energy, photovoltaics and magnetohydrodynamics.
Analysis and designs systems. Occasional.

EAS 5315 ECS-MMAE  3(3,0)
Rocket Propulsion: PR: EAS 4134 or EML 4703.
Analysis and performance of rocket motors; selection and
thermochemistry of chemical propellants: liquid and solid
propellant rockets. Occasional.

EAS 5407 ECS-MMAE  3(3,0)
Mechatronics Systems: PR: EML 4312C or C.I.
Discrete control techniques for aerospace mechatronic
systems. Controller design, test and evaluation applications.
Odd Spring.

EAS 5535 ECS-MMAE  3(3,0)
Engineering Design for Aerospace Vehicles: PR:
EAS 4700C, EAS 4710C, EML 4501C, EML 4502C,
or equivalent. Applications of the design process to aero-
space vehicles. A system approach will be emphasized.
Techniques for optimizing interface requirements will be
covered. Occasional.

ECD 2313 ED-CFC  3(3,0)
Behavioral Issues of the Emotionally
Handicapped: An introduction to functional analysis of
the field to include behavior management techniques, theo-
ries, legal considerations, counseling skills, etiology, preven-
tion and utilization of community services. Occasional.

ECD 4011 ED-CFC  4(4,0)
Introduction to the Emotionally Disturbed: PR:
Senior standing. Development and practice of appropri-
ate cognitive, affective, and motor strategies for selected
categories, levels, and degrees of severity of exceptional
population. Occasional.

ECD 4210 ED-CFC  3(3,0)
Curriculum and Program Adaptation, E.H.: Development of highly specialized curriculum and identifica-
tion, evaluation, modification, and use of curriculum materi-
als and programs for students with emotional handicaps.
Occasional.

ECD 4243 ED-CFC  3(3,0)
Teaching the Emotionally Handicapped: Instructional strategies with emphasis on motivational strat-
egies, development, implementation and evaluation of the
IEP, modification of regular education instructional prac-

ECD 4244 ED-CFC  2(2,0)
Instructional Strategies and Curriculum
Students with Emotional Handicaps: PR: EEX
2010. Instructional strategies and specialized curriculum for
teaching students with emotional handicaps with emphasis
on instructional techniques and use of curriculum materials
and programs. Occasional.

ECM 4504C ECM-ECE  4(3,0)
Embedded Computer Systems: PR: EEL
485CC, EEL 485BC, EEL 485C. Computer Applications in Systems role, sensor and actuator interfacing. Design projects,
including problem statements and specifications, design
methodology, implementation, testing, and documentation.
Occasional. M&S fee: $12.00

ECM 5135 ECM-ECE  3(3,0)
Engineering Math Analysis I: PR: MAP
2302. Topics in advanced engineering mathematics, including
systems of differential equations, phase plane, linear alge-
bra, and vector differential calculus. Occasional.

ECM 5741C ECM-ECE  3(2,3)
Microcomputer-based Monitoring and
Control Systems: PR: EEE 3342C; EEL
4742C or C.J. Machine language programming; software develop-
ment aids; systems design; interfacing considerations.
Occasional.

ECO 2013 BA-ECON  3(3,0)
Principles of Macroeconomics: An introduction to macromeconomics; the role of public policy (spending, taxing,
and creation, data analysis, and research presentation.

ECO 2013H BA-ECON  3(3,0)
HONORS Principles of Economics
Macroeconomics: PR: Permission of Honors. Same as ECO 2013 with honors-level content. Fall, Spring.

ECO 2023 BA-ECON  3(3,0)
Principles of Microeconomics: The determina-
tion of prices in a market economy; their role in allocating
costs and producer goods and in distributing incomes,
including attempts to improve market efficiency through
public policy. Fall, Spring.

ECO 2023H BA-ECON  3(3,0)
HONORS Principles of Microeconomics: PR:
Permission of Honors. Same as ECO 3011. A study of fiscal
institutions and decision-making, and how government budget-
gary policy (spending, taxing, borrowing, and debt manage-
ment) affects the economy and its citizens. Occasional.

ECO 4011H BA-ECON  3(3,0)
HONORS Quantitative Business Tools II: PR:
ECO 3411H, permission of honors. Same as ECO 3411 with
Honors level content. Occasional.

ECO 4033 BA-ECON  3(3,0)
International Microeconomics: PR: ECO
3101. Fundamental principles of international trade and foreign
exchange, including the balance of payments and problems of
imbalanced international payments. Fall, Spring.

ECO 4034 BA-ECON  3(3,0)
International Commercial Policy: PR: ECO
3023 and ECO 3023. Presents the fundamentals of international
commercial policy, with special emphasis on U.S. trade
policy since WWII. Spring.

ECO 4035 BA-ECON  3(3,0)
History of Economic Thought: PR: ECO
3101. A study of the principal ideas of the major contributors to
the development of economic thought. Occasional.

ECO 4412 BA-ECON  3(3,0)
Econometrics: PR: ECO 3013, ECO 3023 and ECO
3411. Concepts and methods of developing, analyzing, and
interpreting measures of economic activity, and business
and economic change. Even Fall.

ECO 4451 BA-ECON  3(3,0)
Research Methods in Economics: PR: ECO
3101, ECO 3201 and ECO 3411. Skills in data collection
and creation, data analysis, and research presentation.

ECO 4504 BA-ECON  3(3,0)
Public Economics: PR: ECO 3101. A study of fiscal
institutions and decision-making, and how government budget-
gary policy (spending, taxing, borrowing, and debt manage-
ment) affects the economy and its citizens. Occasional.

ECO 4701 BA-ECON  3(3,0)
Seminar in Global Economic Policy: PR: ECO
2013 and ECO 2023. Interdependent nature of the global
economic, its current economic problems and the different
policy perspectives and their impact. May be used in the
degree program a maximum of 1 time. Occasional.
EDE 4934 ED-TLP  7-12(0,35)

EDE 4945 ED-TLP  1(1)
Internship II Seminar: PR: All required program courses; CR: EDE 4943 Internship II. Culminating seminar emphasizing current classroom and assessment issues as they relate to teaching in the elementary grades. Fall, Spring.

EDF 1942 ED-ES  3(3,0)
Introduction to Educational Internship: Introduction to educational internship with selected partnership institutions. Occasional.

EDF 2005 ED-ES  3(3,0)
Introduction to the Teaching Profession: A survey course including an orientation to education careers, ethics, and the historical, philosophical and sociological foundations of education. This course has a field component. Fall, Spring.

EDF 2007 ED-ES  3(3,0)
Introduction to Substitute Teaching: Social and legal factors related to PK-12 teaching, including school safety, ethics, legal aspects, and roles and responsibilities of substitute teachers. Fall, Spring.

EDF 2085 ED-ES  3(3,0)
Introduction to the Classroom for Educators: An introduction to cultural factors and their impact on education and life changes. Explores stereotyping, prejudice and changing classroom demographics. Includes directed field experience. Fall, Spring.

EDF 2130 ED-ES  3(3,0)
Child and Adolescent Development: PR: Consent of Honors. Critical analysis of contemporary educational issues, including ethical, safety, legal, cultural, and linguistic considerations which directly impact schooling in a democracy. Fall, Spring.

EDF 4214 ED-ES  3(3,0)
Classroom Learning Principles: PR: EDF 2005 and Junior standing or C.I. Principles of learning as applied to classroom teaching situations, with emphasis on student development, behavior, self-concept and motivation. Fall, Spring.

EDF 4466 ED-ERTL  3(3,0)
Classroom Assessment & Evaluation Techniques: PR: Completion of Internship I or C.I. Classroom measurement skills in designing traditional and alternative assessments, using results for student instruction and evaluation, and interpretation of standardized test results. Fall, Spring.

EDF 4467 ED-ES  3(3,0)

EDF 4603 ED-ES  3(3,0)
Analysis and Application of Ethical, Legal, and Safety Issues in Schools: PR: EDF 2005, EDF 2085, EME 2040 or C.I. Critical analysis of contemporary educational issues, including ethical, safety, legal, cultural, and linguistic considerations which directly impact schooling in a democracy. Fall, Spring.

EDF 4603H ED-ES  3(3,0)
HON Analysis and Application of Ethical, Legal, and Safety Issues in Schools: PR: Consent of Honors. Critical analysis of contemporary educational issues, including ethical, safety, legal, cultural, and linguistic considerations which directly impact schooling in a democracy with Honors content. Fall, Spring.

EDF 5245 ED-ES  3(3,0)

EDF 5607 ED-ES  3(3,0)
Language, Culture and Pedagogy: Impact and Implications: PR: C.I. Explores in-depth issues surrounding learning needs of students from linguistically and culturally diverse populations. Research on language, culture and pedagogy will be highlighted. Occasional.

EDG 1005C ED-ES  2(1,1)
Foundations of Leadership: PR: LEAD 1000A, B or LEAD 1000C for LEAD Scholars in the College of Education providing a foundation of leadership, scholarship, and service regarding disciplines in the college. Fall, Spring.

EDG 2311 ED-ES  3(3,0)

EDG 4323 ED-ES  3(3,0)
Professional Teaching Practices: PR: EDF 2005 or C.I. Analysis of teaching strategies for K-12 settings, including higher order thinking, classroom management, alternative assessment and adaption of instruction for diverse student populations. Fall, Spring.

EDG 4410 ED-ES  3(3,0)
Teaching Strategies and Classroom Management: PR: EDF 2005, EDF 2085, EME 2040, or C.I. Instructs students in classroom management strategies to create effective learning environments. Fifteen hour in-school experience required. Fall, Spring.

EDG 4941 ED-ES  1-8(0,1-8)
Directed Field Experience: PR: Approval of Professor of Education. Field experience in an appropriate educational setting under the direction of a supervising teacher and/or university supervisor. Occasional.

EDG 4948 ED-ES  3(3,0)
Service Learning: PR: PSY 2012 or C.I. Involvement with community agencies and/or schools to gain a new perspective about the central Florida community. May be repeated for credit. Fall, Spring.
EDG 5745 ED-TLP 3(3,0) Teaching the Non-English Student: PR: C.I. Bilingual and non-linguistic instruction in curriculum areas in English as a second language. Occasional.

EDG 5941 ED-ES 2-8(0,11) Clinical Practice: PR: Admission to STEP II, III or IV. Clinical internship in an appropriate educational setting under the direction of a university supervisor or peer teacher. Occasional.

EDH 5306 ECS-MAE 1(1,0) Teaching Methods in Engineering: PR: Graduate standing in an engineering discipline. This course will cover basic teaching pedagogy to help engineering students become better TA’s and help students deliver better technical presentations. Occasional.

EDS 5356 ED-TLP 3(2,1) Mentoring and Clinical Supervision of Pre-professional Educators: PR: C.I. The practical application of coaching and mentoring practices that satisfy the state’s clinical supervision and assure attainment of the Florida Educator Accomplished Practices. Fall, Spring.


EEC 3700 ED-CFCS 3(3,0) Social and Emotional Development of Young Children: Provides an in-depth understanding of the social and emotional development of the young child. Examines the implication for curriculum development. Occasional.

EEC 3940 ED-CFCS 3(3,0) Integration Internship I: PR: Senior Status, RED 4311 or RED 3310. Field based placement in which the students will have supervised practice integrating course content areas. Occasional.


EEC 4235C ED-CFCS 3(2,1) Early Childhood Education Seminar: Bridging Theory to Practice: PR: TSL 4240, EEC 4268, EEE 4400 and completion of semester II in the junior year. Corequisites: MAE 4300, RED 4311, SIE 4304, Seminar course which combines coursework, research, and practical experience. Fall, Spring.

EEC 4266 ED-CFCS 3(3,0) Early Intervention: Provides an overview of development assessment, and intervention with at-risk and handicapped infants and toddlers. Occasional.

EEC 4268 ED-CFCS 3(3,0) Curriculum Activities in Early Childhood: PR: Admission to Early Childhood Education Program. An integrated approach to curriculum planning and scheduling including materials, strategies, and environments for young children which emphasize active learning. Fall, Spring.

EEC 4303 ED-CFCS 3(3,0) Planning Creative Activities in Early Childhood Education: PR: Admission into Early Childhood Development and Education program or C.I. Instructional methods for teaching skills to young children in PK-3rd grade. Hands-on creative play activities involve dance, music, literature, arts, science, math, and literature. Occasional.

EEC 4402 ED-CFCS 3(3,0) Cultural and Family Systems: Explores the institution of family in its cultural context as a living dynamic system. Occasional.

EEC 4414 ED-CFCS 3(3,0) Parent-Child Relations: PR: EEC 3700; EEC 4660; RED 5310; EEX 4715; LTH 3716; or C.I. A review of research on child-rearing and parent-child relationships using case studies to explore influences of personality, developmental stages, family structure, ethnic and cultural factors on parenting. Fall, Spring.

EEC 4524 ED-CFCS 3(3,0) Organization and Management in Early Childhood: Provides students with managerial and supervisory skills required to administer a developmentally appropriate early childhood program. Occasional.

EEC 4528 ED-CFCS 3(3,0) Infant/Toddler Care and Education: PR: Admission to Early Childhood Education Program and EEC 3700. Techniques to guide behavior of young children, emphasizing classroom management and pro-social skills. Spring.


EEC 4731 ED-CFCS 3(3,0) Health, Safety, and Nutrition for Young Children: Health and safety issues in early childhood (0-5). Protection from injury and infection; promotion of healthy development, good nutrition, and appropriate health and fitness habits. Spring.


EEC 4940 ED-CFCS 12(0,12) Practicum: Early Childhood Education Prac.: PR: Must have completed all course work. A fieldwork practicum experience linking developmental theory with practice to provide students with a supervised, hands-on experience working with children, parents, families, and/or agencies. Graded S/U. Fall, Spring.

EEC 4943 ED-CFCS 12(0,12) Student Teaching: PR: Admission to the Early Childhood Education Program to observe the teaching and supervision of the classroom teacher and the pre-service teacher. Graded S/U. Fall, Spring.

EEE 3307C ED-CFCS 3(3,0) Electronics I: PR: EEC 3300C. Electronic devices including p-n junctions, bipolar transistors, field effect transistors and device models. Fall, Spring. M&S fee: $15.00.

EEE 3342C ED-CFCS 3(2,3) Digital Systems: PR: MAC 2311, MAC 2312, PHY 2048, PHY 2049 all with a "C" (2.0) or better grade. Combination and sequential circuits including flip-flops and memory cells, comparators and timing circuits: A/D and D/A converters. Fall, Spring. M&S fee: $15.00.

EEE 3350 ED-CFCS 3(3,0) Semiconductor Device Electronics: PR: EEL 3304. Electronic devices including p-n junctions, bipolar transistors, field effect transistors and device models. Fall, Spring.


EEE 4463 ED-CFCS 3(3,0) MEMS Devices and Applications: PR: EEC 3350 or C.I. Micro-Electro Mechanical Systems devices, fabrication, sensors and actuators, bulk and surface micromachining, optical MEMS, instrumentation and applications. Fall.

EEE 5322C ED-CFCS 3(2,1) Thin Film Technology: PR: EEC 3350 or equivalent. Presents the various thin film deposition techniques for the fabrication of microelectronic, semiconductor, and optical devices. Occasional. M&S fee: $30.00.


EEE 5353 ED-CFCS 3(3,0) Semiconductor Device Modeling and Simulation: PR: EEC 3350C. 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 3(4,3) Fabrication of Solid-State Devices: PR: EEC 3350. Fabrication of microelectronic devices, processing technology, ion implantation and diffusion, device design, and layout. Laboratory includes device processing technology. Fall, Spring. M&S fee: $45.00.


EEE 5378 ED-CFCS 3(3,0) Analog and Digital Circuit Design: PR: EEC 4309C. Advanced principles and design techniques for CMOS ICs including most recent published results. Fall.

EEE 5390 ED-CFCS 3(3,0) Full-Custom VLSI Design: PR: EEC 3342C, EEC 3307C. CMOS VLSI design methodologies; full custom chip design, industrial CAD tools; simulation; verification. Spring.
Circuit Analysis:

EEL 3041 ECS-ECE 3(3,0)

in this course, a C or better with a cumulative GPA of 2.7 or better for the above courses is required). Analysis and design of linear circuits, transients, ac analysis, power calculations, three-phase circuits, Laplace transform. Fall, Spring.

EEL 3041 ECS-ECE 3(3,0)

Circuit Analysis: PR: PHY 2048, PHY 2049, CIR: MAP 2302 (or CIR: MAP 2302, PHY 2048, PHY 2049, CIR: MAP 2302) Study of electrical networks. Circuit analysis techniques are presented, including DC and steady state analysis. Power calculations, power distribution, and design of devices are covered with examples relating to cables, connections, and buses. Not open to EE or CPE majors. Fall, Spring

EEL 3123C ECS-ECE 4(3,0)


EEL 3470 ECS-ECE 3(0,3)


EEL 3531 ECS-ECE 3(3,0)


EEL 3552C ECS-ECE 4(3,3)


EEL 3637 ECS-ECE 3(0,3)

Linear Control Systems: PR: EEL 3123C. Control theory, transfer function modeling, Nyquist criteria, root locus, Bode plots, and Design of lead and lag compensation. Fall, Spring.

EEL 3801C ECS-ECE 3(2,3)


EEL 4050L ECS-ECE 1(0,3)

ECEC Integrated Laboratory: PR: EEL 3552C, EEL 3637, EEL 4750. Topics: Sampling, Digital FIR and IIR Filters, DSP programming of sound, signals, transducers and receivers based upon AM and FM, PID controller and feedback systems, and power conversion. Occasional.

EEL 4130 ECS-ECE 3(0,3)


EEL 4140C ECS-ECE 4(3,3)


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 generation and analysis, transformations per unit system, symmetrical components, faults, and transmission lines. Spring.

EEL 4436C ECS-ECE 4(3,3)


EEL 4440 ECS-ECE 3(3,0)

Optical Engineering: PR: EEL 3470, EEL 3552C or C.I. Laser systems, avalanche photodiodes, radiometry, detectors, optical physics, interferometric devices, applications to engineering design problems. Spring.

EEL 4512C ECS-ECE 4(3,3)


EEL 4515C ECS-ECE 4(3,3)

Digital Communication Systems: PR: EEL 3552C. Sampling and quantization, PAM, PWM, PTM, PCM, and Delta modulation ASK, FSK, PSK, MPSK. Introduction to coding. Fall. M&S fee: $15.00

EEL 4518 ECS-ECE 3(3,0)

Satellite Communications: PR: EEL 3552C. The principles of satellite communications, including communications satellites, Earth stations, link analysis, FDMA and TDMA. May be repeated for credit. Fall.

EEL 4612 ECS-ECE 3(3,0)


EEL 4635C ECS-ECE 4(3,3)

Computer Control Systems: PR: EEL 3657. Discrete-time systems, z-transforms and single-loop computer control systems. Digital simulation in the analysis and design of processes with embedded computers. No graduate credit for both EEL 5630 and this course. Occasional. M&S fee: $15.00

EEL 4742C ECS-ECE 4(3,3)

Embedded Systems: PR: EEL 3801. Microcontroller systems, assembly language programming, data representation, memory and device interfacing, timing analysis, parallel and serial communication, timers, interrupts, signal interfacing considerations, and applications. Fall, Spring. M&S fee: $30.00

EEL 4750 ECS-ECE 3(3,0)


EEL 4768C ECS-ECE 4(3,3)

Computer Architecture: PR: EEL 3801 or CDA 3010. Computer systems performance and evaluation, processor datapath and control, microprogrammed architectures, instruction and data address spaces, cache and virtual memory, and RISC vs CISC. Fall, Spring. M&S fee: $30.00

EEL 4781 ECS-ECE 3(3,0)


EEL 4783 ECS-ECE 3(3,0)

Hardware Description Languages in Digital Systems Design: PR: EEL 3342C. Hardware description languages, simulation and synthesis of RTL circuits and systems, design examples and projects. Occasional. M&S fee: $5.00

EEL 4797 ECS-ECE 3(2,4)

Telemetry and Space Computer Systems: PR: EEL 3552C and EEL 3801C, EEL 3637, EEE 3307C, EEL 3470. Telemetry and computer sub-systems are discussed as they are implemented in the space-launch system "inter- tial upper stages". Occasional.

EEL 4817H ECS-ECE 3(3,0)

Honors Current Topics in Machine Learning II: PR: Consent of Honors and EEL 4019H. Research topics in Machine Learning. Students will be assigned a research project and a faculty mentor who will supervise this project. Spring.

EEL 4818H ECS-ECE 3(3,0)

Honors Current Topics in Machine Learning I: PR: Consent of Honors and EEL 4019H or C.I. Machine Learning and Applications. ART Neural Networks, Genetic Algorithms, Decision Trees, Evolutionary Hardware, Evolutionary Neural Networks, and Reinforcement Learning. Fall.

EEL 4832 ECS-ECE 3(3,0)

Engineering Applications of Computer Methods: PR: MAP 2302, STA 3032, EGN 3420. Engineering applications of numerical methods, including solution of differential equations, simulation, optimization, and multidimensional root-finding, integration and series approximations. Fall, Spring.

EEL 4851C ECS-ECE 4(3,3)

Engineering Data Structures: PR: EEL 3801C. Design of data structures and algorithms, with emphasis on performance analysis, memory organization, stacks, queues, linked lists, trees, graphs, searches, and sorts. Introduction to object-oriented structures. Fall, Spring. M&S fee: $5.00

EEL 4872 ECS-ECE 3(3,0)

Engineering Applications of Intelligent Systems: PR: EEL 4851C or C.I. Fundamentals of machine learning, knowledge-based systems and artificial intelligence. Fall, Spring.

EEL 4884C ECS-ECE 4(3,3)

Engineering Software Design: PR: EEL 4851C. Software systems development life cycle, function and object-oriented methodologies, CASE, Analysis, design, and development of a large software project. Fall, Spring. M&S fee: $5.00

EEL 4890 ECS-ECE 3(3,0)


EEL 4914 ECS-ECE 3(3,0)

Senior Design I: PR: EEL 3830C, EEL 4742C, and consent of School of EECs. Applications of engineering knowledge and skills to realistic and meaningful problems. Constraints such as economic factors, safety, reliability, aesthetics, ethics, social impact and engineering organizations are considered. Fall, Spring.

EEL 4915L ECS-ECE 3(0,3)

Senior Design II: PR: EEL 4914. Execution of electrical and computer engineering project including complete project design review, construction, testing and demonstration. Emphasis on design, prototyping, cost, functionality, presentation, team effort and final report. Fall, Spring. M&S fee: $15.00

EEL 5173 ECS-ECE 3(3,0)


EEL 5245C ECS-ECE 3(2,1)

Power Electronics: PR: EEE 4306C. Power electronics, power semiconductor devices, power electronics, switches, resonant and resonant dc-to-ac converters, power converters, applications. Fall.

EEL 5272 ECS-ECE 3(3,0)

Biomedical Sensors: PR: EEL 4750 or EEL 4852. 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 3470 or PHY 4342. Fundamentals of satellite remote sensing, orbits and geometry, radiative transfer theory, microwave and infrared sensing techniques, ocean, ice and atmosphere geophysical 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: $15.00.

EEL 5439C  ECS-ECE  3(2,1)  RF and Microwave Communications: PR: EEL 4436C or equivalent. RF and microwave active circuits microstrip amplifier, oscillator, and mixer design and fabrication. Receiver design, noise, familiarization with network and spectrum analyzers. Occasional. M&S fee: $30.00.

EEL 5462C  ECS-ECE  3(3,1)  Analog 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. M&S fee: $5.00.

EEL 5482  ECS-ECE  3(3,0)  Electromagnetic Theory I: PR: Graduate standing or C.I. Designers and engineers familiar with boundary conditions, propagation and reflection, guided waves. Occasional.


EEL 5517  ECS-ECE  3(3,0)  Surface Acoustic Wave Devices and Systems: PR: EEL 3552C. Course discusses SAW technology which includes the physical phenomena, transducer design and fabrication, network layer issues, wireless data networking (WAP, GSM, GPRS, CDMA, WCDMA.), Even Spring.

EEL 5525  ECS-ECE  3(3,0)  Applied Control Systems: PR: C.I. Designed to develop basic understanding of advanced control methods for nonlinear systems described by ordinary and partial differential equations and to expose recent results and ongoing research issues in the area of MESS. Occasional.

EEL 5530  ECS-ECE  3(3,0)  Digital Control Systems: PR: EEL 3657. Real-time digital control system analysis and design, 2-transforms, sampling and reconstruction, time and frequency response, stability analysis, digital controller design. Fall.

EEL 5569  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 5722C  ECS-ECE  3(1,3)  Field-Programmable Gate Array (FPGA) Design: PR: EEE 3342C or C.I. FPGA architectures, design and technology mapping, placement, routing, recon- figurable computing applications, and evolvable hardware. Even Fall.


EEL 5790  ECS-ECE  3(3,0)  Wireless Networks: PR: EEL 4781 or C.I. The wireless networking topics include: cellular networks, multiple access, channel allocation 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 3202, 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 4204 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)  Software Requirements Engineering: PR: Graduate standing or C.I. Excellent oral and written communication skills. Excellent problem solving skills. In-depth study of software requirements engineering within a process centered framework. Methods for requirements elicitation, analysis, description, and validation. Formal and informal specification. Occasional.

EEL 5874  ECS-ECE  3(3,0)  Expert Systems and Knowledge Engineering: PR: EEL 4532 or C.I. Introduction to expert systems in engineering. Expert systems tools and implementing techniques. This course is hands-on and project oriented. Spring.

EEL 5881  ECS-ECE  3(3,0)  Software Engineering I: PR: EGN 3420, EEL 4851C or C.I. Design, implementation, and testing of computer software for Engineering applications. Fall. Spring.


EEL 5936  ECS-ECE  1(0,1)  Current Topics in EEECS: PR: Open to all EEECS graduate students. Lectures presented by ECE and national engineers to control treatment processes such as softening, desalination and reclamation, power grid, power and energy efficiency, renewable energy, sustainability, and environmental management. Graded S/U. Occasional.

ESS 411C  ECS-CE  3(2,3)  Biological Process Control: PR: Grade of 'C' (2.0) or better in ENV 3001; CR: ENV 4651. Engineering design, measurements and analysis of biological systems in environmental engineering for water management, bio-energy products, wastewater treatment, and others. Spring. M&S fee: $45.00.

EES 4202C  ECS-CE  3(3,3)  Chemical Process Control: PR: Grade of 'C' (2.0) or better in ENV 3001. Engineering design, measurements, and analysis of chemical systems in environmental engineering to control treatment processes such as softening, coagulation, disinfection, scrubbing, neutralization, and others. Fall. M&S fee: $45.00.

EES 4518  ECS-CE  3(3,0)  Industrial Ecology: PR: ENV 3001, ENV 4341. Discussion of similarities between ecological systems and industrial systems with the emphasis on material cycles, energy flow, pollution prevention, organizational structures, and environmental management. Occasional.

EES 5605  ECS-CE  3(3,0)  Outdoor Noise Control: PR: C.I. Community noise early warning systems, legislative standards, instrumentation and measurement, abatement methods, and noise modeling. Occasional.

EET 2025C  ECS-ENT  4(3,2)  Electrical Circuits: PR: EET 1015C or EET 3085C. Frequency domain and steady state analysis of electric circuits. AC circuits, basic network theorems, applications of node and mesh analysis, single-phase circuits, filters, magnetically coupled circuits, transformers, 3-phase circuits, power relationships. Occasional. M&S fee: $10.00.


EET 3716  ECS-ENT  3(3,0)  Network Analysis: PR: DCAC circuits and Calculus I. Transient analysis of first and second-order circuits, circuit analysis techniques, Laplace Transforms, Transform function, frequency response analysis, and Bode plots. May be repeated for credit. Spring.

EET 4158C  ECS-ENT  3(2,2)  Linear Integrated Circuits: PR: EET 3716, or Consent of Coordinator. Applications of operational amplifiers, comparators, operational amplifiers, operational amplifiers, other integrated circuits. Includes amplifiers, active filters, oscillators, differentiators and integrators. Fall.


EET 4548C  ECS-ENT  4(3,2)  Power Systems: PR: EET 3085C and EET 2025C or equivalent. Analysis of electrical power systems and energy conversion. 3-phase load, per-unit quantities, circuit constants, rotating machines, 3-phase transformers, transmission lines, power flow, stability and fault calculations. Fall.


EEX 2010  ED-CFCS  3(3,0)  Introduction to Special Education: Orientation to the education of children and adolescents with special needs. The course includes characteristics, trends, mainstreaming, and other issues. Fall. Spring.
EX 2090  ED-CFCS  3(3,0)  Exceptional Populations in School and Society: Characteristics of exceptionalities in school and society to increase student awareness and comfort levels with individuals with exceptionalities. Fall, Even Spring.

EX 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.

EX 3102  ED-CFCS  3(3,0)  Language Development and Communication Disorders: PR: Junior standing, Interdisciplinary approach to language development, identification and remediation of communication and language disorders. Occasional.

EX 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.

EX 3241  ED-CFCS  3(3,0)  Methods for Academic Skills for Exceptional Students: PR: EEX 2010, EEX 3861. Teaching strategies, instructional materials, and monitoring techniques for children and adolescents with special needs. Must be taken before Internship I. Fall, Spring.

EX 3243  ED-CFCS  3(0,1)  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. Spring.

EX 3450  ED-CFCS  3(3,0)  Young Children With Special Needs: Provides an overview of the unique field of early childhood special education, its mission, and approaches to helping young children and their families. Fall.

EX 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.


EX 3942  ED-CFCS  3(3,0)  Internship II: Exceptional Education: PR: EDG 4410, RED 3012, EEX 2010, EEX 3241, M&E 2801. Student teaching in exceptional education in both elementary and secondary school settings under the supervision of a certified classroom teacher. Graded S/U. Fall, Spring.

EX 4054  ED-CFCS  2(2,0)  Application and Theories for Students with Special Needs: PR: EEX 2010, EDG 4323. Theories and historical foundations for students with specific learning, physical, cognitive, and emotional disabilities. Spring.

EX 4066  ED-CFCS  3(3,0)  Curriculum, Theory and Instructional Strategies for Students with Special Needs: PR: EEX 3241, RED 3012, LAE 4314. Theoretical concepts, curriculum development and specialized strategies for students with special needs. Occasional.


EX 4242  ED-CFCS  3(3,0)  Teaching Exceptional Students in Secondary Settings: PR: EDG 4323. Instructional and management strategies for secondary general education teachers to use in working with students with disabilities. Fall, Spring.

EX 4601  ED-CFCS  3(3,0)  Introduction to Behavior Management: Study of management techniques based on applied behavioral analysis principles for modifying inappropriate behaviors and maintaining appropriate behaviors of exceptional students. Fall, Spring.

EX 4751  ED-CFCS  3(3,0)  Parent Involvement in Education: This course prepares students to successfully interact with and involve parents in their child’s education. Occasional.

EX 4753  ED-CFCS  3(3,0)  Parent/professional Collaboration: The special educator’s role in working with families, regular educators, and other professionals in a collaborative relationship. Fall, Spring.

EX 4757  ED-CFCS  3(3,0)  Respite Care: PR: Junior Standing or C.I. General learning ability, test practice, field of temporary care, the nature and needs of care givers and care recipients, including special populations. Fall, Spring.

EX 4763  ED-CFCS  3(3,0)  Technology for Classroom Teachers of Students with Special Needs: PR: EEX 3241, RED 3012, LAE 4314. Enhancing teacher preparation through the use of technology for students with special needs. Fall, Spring.

EX 4943  ED-CFCS  12(0,35)  Internship II: PR: Completion of specialization. Satisfactory completion of the portfolio. Full day student teaching under a certified special education teacher in an elementary or secondary school. May be repeated for credit. Graded S/U. Occasional.

EX 5051  ED-CFCS  3(3,0)  Exceptional Children in the Schools: PR: Senior standing or C.I. Characteristics, definitions, educational problems, and appropriate educational programs for the exceptional children in schools. Fall.

EX 5702  ED-CFCS  3(3,0)  Planning Curriculum for Pre-Kindergarten Children with Disabilities: Focus on curriculum planning; developmentally appropriate practices and implementation of individualized instruction for pre-kindergarten children with disabilities. Spring.

EX 5750  ED-CFCS  3(3,0)  Communication with Parents and Agencies: Presentation of methods of interacting with community agencies, supporting and collaborating with families, developing a case management system, and facilitating program transition. Occasional.

EGM 3601  ECS-MMAE  3(3,0)  Solid Mechanics: PR: EGM 3610 and “C” (2.0) or better in the following M&C 2311, M&E 4323. Introduction to solid mechanics. Fall, Spring.

EGN 2920  ECS-IEMS  2(1,1)  LEAD Colloquium: PR: C.I., LEAD Scholars Program. May be repeated for credit. Occasional.

EGN 3060C  ECS-ECS  3(2,3)  Introduction to Robotics: PR: Engineering majors take CEG 2223 and ECE 3101. Computer Science majors take COP 3330 and COP 3503C. Theory of perception, planning, and control. Implemented software for a complete robotic system. Fall.

EGN 3211  ECS-ECE  3(3,0)  Engineering Analysis and Computation: PR: ECE 2211. Engineering applications and computation of structured constructs. Subscripted variables, subprograms, input/output. Batch processing and time sharing. Engineering applications will be emphasized. Fall, Spring.

EGN 3310  ECS-ECE  3(3,0)  Engineering Analysis - Statics: PR: PHY 2048C; CR: MAC 2312. Fundamental concepts of mechanics, including results of force systems, free-body diagrams, equilibrium of rigid bodies, and analyses of structures. Fall, Spring.

EGN 3310H  ECS-ECE  3(3,0)  Engineering Analysis - Statics: PR: PHY 2048C; CR: MAC 2312. Fundamental concepts of mechanics, including results of force systems, free-body diagrams, equilibrium of rigid bodies, and analyses of structures. Fall, Spring.

EGN 3310H  ECS-ECE  3(3,0)  Engineering Analysis - Statics: PR: PHY 2048C; CR: MAC 2312. Fundamental concepts of mechanics, including results of force systems, free-body diagrams, equilibrium of rigid bodies, and analyses of structures. Fall, Spring.
Applications of thermodynamics in engineering.

Thermodynamics:
EGN 3343 ECS-MMAE 3(3,0)
Thermodynamics: Concepts, and models of analysis common to all applications of thermodynamics in engineering. Honors content. Spring.

EGN 3343H ECS-MMAE 3(3,0)

EGN 3358 ECS-MMAE 3(3,0)

EGN 3365 ECS-MMAE 3(3,0)

EGN 3373 ECS-ECE 3(3,0)

EGN 3373H ECS-ECE 3(3,0)

EGN 3420 ECS-ECE 3(3,0)
Engineering Analysis: PR: High-level computer language; MAC 2312. Engineering applications of numerical methods including curve fitting, matrix operations, root finding, interpolation, integration and plotting. Fall, Spring.

EGN 3613 ECS-EMS 3(2,0)

EGN 3843 ECS-EMS 3(3,0)

EGN 4300C ECS-ENT 3(2,2)
Hydrogen Production and Handling: PR: CHM 1052, CHM 1032, and PHY 2053C. Basic concepts and principles of hydrogen technologies to include properties, usage, safety, storage and production. Even Fall.

EGN 4412C ECS-MMAE 3(1,5)

EGN 4413C ECS-MMAE 3(1,5)
Interdisciplinary Design II: PR: EGN 4412C. Continuation of Interdisciplinary Design I May be repeated for credit. Spring.

EGN 4624 ECS-EMS 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, 3 credits. PR: EGN 3343 or C.I. Continuation of EGN 4412C. Dissertation of a successful engineering entrepreneurship enterprise. 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 3583C or ECL 3802C or EEL 3801C or ESI 4592C. Evaluation of various technologies and design concepts on various satellite component subsystems and their payloads into a small satellite system design leading to a final configuration. Occasional.

EGN 4707C ECS-MMAE 3(2,4)

EGN 4730 ECS-ENT 3(3,0)
Renewable Energy Systems: PR: ETL 4220. Well-to-water analysis; lifecycle energy and emissions; total cost. Skill sets, methodologies and tool kits needed to analyze various technologies on a consistent basis for a given application. Even Fall.

EGN 4731C ECS-ENT 3(2,2)
Fuel Cell Technology: PR: CHM 1032, CHM 1032L, PHY 2053C and MAC 2253 or MAC 2231. Basic concepts and principles of fuel cell technologies to include chemistry, thermodynamics, electrochemistry, cell components and operating conditions. Even, Spring.

EGN 4824 ECS-ENT 3(3,0)
Energy and Society: PR: Investigation of available energy forms; energy resources versus requirements in an increasingly complex technological society; possible solutions and future predictions. Occasional.

EGN 4830 ECS-ENT 3(3,0)
Telecommunications: PR: 2 credits. Telecommunications and its role in contemporary local, national, and international society. Occasional.

EGN 4921C ECS-ECS 2(2,1)
Interdisciplinary Research and Development I: PR: Junior standing in Engineering or Computer Science major. Research and methodology seminar. Topics to include: intellectual property, lifecycle analysis, research and development, and entrepreneurship. Fall, Spring.

EGN 4922C ECS-ECS 2(1,1)
Interdisciplinary Research and Development II: PR: EGN 4921C. Continuation of EGN 4921C. Occasional.

EGN 4931H ECS-ECS 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(1,2)
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, electric light, etc. Occasional.

EGN 5720 ECS-EMS 3(2,3)
Internal Combustion Engine Analysis and Components: PR: EGN 3343 or EGN 3358 or C.I. Continuation of EGN 3343. 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 Lockheed Martin UCF Teaching Academy. Exploration of recent technology advances and propulsion system designs for robotic and environmental measurements, payload launch procedures, orbits and trajectories, safety, model rocket experiments, field trips, student science experiments. Occasional.

EGN 5855C ECS-EMS 3(2,2)
Manufacturing: PR: EGN 4310 or C.I. Advanced topics in inspection and measurement with applications in engineering and manufacturing. Occasional.

EGN 5858C ECS-EMS 3(2,1)
Prototyping and Product Realization: PR: Basic knowledge and/or 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: $45.00.

EIN 3300 ECS-EMS 2(0,0)
Introduction to Internally-Managed and Interdisciplinary Engineering Systems: Issues important to the operation of an industrial or service facility. Fall.

EIN 3314C ECS-EMS 3(2,2)

EIN 3354 ECS-EMS 3(3,0)
Principles of Cost Engineering: PR: EGN 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-EMS 2(2,2)
Engineering Leadership Seminar I: PR: Junior or better standing in engineering with C.I. Progressive engineering leadership development (intrapersonal to interpersonal to community) via a combination of experiential and practical experiences in engineering-specific corporate and community settings. Fall.

EIN 4192C ECS-EMS 2(2,2)
Engineering Leadership Seminar II: PR: EIN 4191C. Continuation of EIN 4191C. Spring.

EIN 4214 ECS-EMS 3(3,0)

EIN 4243C ECS-EMS 3(2,2)

EIN 4333 ECS-EMS 3(3,0)

EIN 4364C ECS-EMS 3(2,2)
Industrial Facilities Planning and Design: PR: EIN 3343C, EIN 3354 CRE/ EIN 4353C, EIN 4393C. Comprehensive design of industrial facilities, including interrelationships of plant location, process design, and materials handling. Laboratory assignments. Spring. M&S fee: $30.00.
UCF Courses and Descriptions

**EIN 4391C** ECS-IEMS 3(2,3)
Manufacturing Engineering: PR: CHM 2045 or CSH 1440 and Junior Standing or C.I. Introduction to manufacturing engineering, with emphasis on current and emerging technologies in metalworking and electronics. Fall, Spring. M&S fee: $20.00

**EIN 4450** ECS-IEMS 3(3,0)

**EIN 4516C** ECS-IEMS 3(2,2)
Systems Analysis and Design: PR: EIN 4384C. Systems analysis methodology, system requirements, specifications, system design methodology and discipline support. Consulting skills and client interactions. Initiation of senior design projects. Fall. M&S fee: $20.00

**EIN 4517** ECS-IEMS 3(3,0)
Systems Engineering: PR: STA 3032 or C.I. Fundamentals of systems engineering and their application to the development of industrial complex engineered systems. Fall.

**EIN 4545C** ECS-IEMS 3(2,2)
Industrial Engineering Applications in The Service Industries: PR: EIN 3314C, ESI 4312, ESI 4234. Application of industrial engineering techniques to improve the quality and productivity of service industries such as restaurants, banks, hotels, health care, etc. Even Fall.

**EIN 4621C** ECS-IEMS 3(2,2)
Computer-Aided-Manufacturing: PR: EIN 4312C. Computer-Aided-Manufacturing (CAM) including computer numerical control (CNC), robotics, parts classification (GT) and manufacturing resource planning (MRP). Occasional. M&S fee: $45.00

**EIN 4891C** ECS-IEMS 3(2,3)
Industrial Engineering Senior Design Project: PR: EIN 4516C. Senior design capstone project; application of IEMS techniques to real-world design applications. Spring. M&S fee: $15.00

**EIN 5108** ECS-IEMS 3(3,0)
The Environment of Technical Organizations: PR: Graduate standing or C.I. or EGN 4244 recommended. Presentation and investigation into the principles required to transform technicians into managers focusing on engineers, scientists, and other professionals providing services in technical, protected decision settings. Fall.

**EIN 5117** ECS-IEMS 3(3,0)
Management Information Systems I: PR: C.I. The design and implementation of computer-based Management Information Systems. Consideration is given to the organizational, managerial, and economic aspects of MIS. Spring.

**EIN 5140** ECS-IEMS 3(3,0)
Project Engineering: PR: Graduate standing or C.I. Role of engineer in project management with emphasis on project life cycle, quantitative and qualitative methods of cost, schedule, and performance control. Fall, Spring.

**EIN 5248C** ECS-IEMS 3(2,2)
Ergonomics: PR: C.I. Applications of anthropometry, functional anatomy, mechanics, and physiology of musculoskeletal system concepts in the engineering design of industrial tools, equipment, and workstations. Fall. M&S fee: $30.00

**EIN 5251** ECS-IEMS 3(3,0)
Usability Engineering: PR: STA 3032 or equivalent. Usability paradigms/principles; cognitive walk-throughs; heuristic, review-based, model-based, empirical and story-board evaluation; technical and graphical 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. Manipulator, 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, logistics and design, testing, production, distribution, and support. Occasional.

**EIN 5356** ECS-IEMS 3(3,0)
Cost Engineering: Cost estimation and control of engineering systems throughout the product life cycle. Spring.

**EIN 5368C** ECS-IEMS 3(2,2)
Integrated Factory Automation Systems: PR: EIN 4391C or C.I. Automated material handling systems, including robotic, automatic guided vehicles, automated storage and retrieval systems, economics, justification. Odd Fall. M&S fee: $20.00

**EIN 5388** ECS-IEMS 3(3,0)
Forecasting: PR: ESI 5219. Industrial applications of forecasting methods with emphasis on microcomputer-based packages. Occasional.

**EIN 5539C** ECS-IEMS 3(2,2)
Manufacturing Systems Engineering: PR: EIN 4391C or C.I. The integration of manufacturing technologies and information processing concepts into a system for controlling the manufacturing enterprise. Even Spring. M&S fee: $20.00

**EIN 5607C** ECS-IEMS 3(2,2)
Computer Control of Manufacturing Systems: PR: EIN 4391C, and EIN 4621C or EML 4535C; 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-IEMS 1(1,0)
Seminar in Industrial Engineering: Doctoral Research: PR: C.I. Essential topics for doctoral research including recent 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 4241** ED-CFCS 4(4,0)

**EMA 3014** ECS-MMAE 3(3,0)

**EMA 3124** ECS-MMAE 3(3,0)
Design and Selection of Materials: PR: EGN 3610 and 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)

**EMA 3706** ECS-MMAE 3(3,0)
Structure and Properties of Aerospace Materials: PR: CHS 1440 or CHM 2045C and MAC 2312. Atomic structure, bonding, crystal structures, solidification, phase transformations, heat treatment, mechanical behavior, specific aerospace materials, materials design. Fall.

**EMA 4102** ECS-MMAE 3(3,0)
Thermodynamics and Kinetics of Materials: PR: EGN 3343, EGN 3365 or EMA 3706; and a "C" (2.0) or better of the following: CHS 1440 or CHM 2045C, MAC 2311, MAC 2312, MAC 2331, MAP 2302 and PHY 2048. Application of first, second and third laws of thermodynamics to materials, phase diagrams, statistical thermodynamics, kinetic processes in materials, diffusion, nucleation and growth, and phase transformations. Fall.

**EMA 4103** ECS-ENT 3(3,0)
Space Environment Technology: PR: MAC 2253, PHY 2053C. The space environment and how it affects manufacturing of space elements to withstand the harsh environment. Occasional.

**EMA 4223** ECS-MMAE 3(3,0)

**EMA 4413** ECS-MMAE 3(3,0)

**EMA 4501** ECS-MMAE 3(2,2)

**EMA 4503** ECS-MMAE 3(3,0)

**EMA 4506** ECS-MMAE 3(3,0)

**EMA 4606** ECS-MMAE 3(3,0)

**EMA 4701C** ECS-MMAE 3(2,4)
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMA 5060</td>
<td>Polymer Science and Engineering</td>
<td>3(3,0)</td>
<td>PR: EGN 3365. Structure and properties of polymers, preparation and processing of polymers, mechanical properties, use in manufacturing and high tech applications. Occasional.</td>
</tr>
<tr>
<td>EMA 5106</td>
<td>Metallurgical Thermodynamics</td>
<td>3(3,0)</td>
<td>PR: EGN 3365. Laws of Thermodynamics, phase equilibria, reactions between condensed and gaseous phases, reaction equilibria in condensed solution and phase diagrams. Occasional.</td>
</tr>
<tr>
<td>EMA 5108</td>
<td>Surface Science</td>
<td>3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>EMA 5140</td>
<td>Introduction to Ceramic Materials</td>
<td>3(3,0)</td>
<td>PR: EGN 3365. Uses, structure, physical and chemical properties, and properties of ceramic materials. Discussions will include recent developments for high technology applications. Occasional.</td>
</tr>
<tr>
<td>EMA 5317</td>
<td>Materials Kinetics</td>
<td>3(3,0)</td>
<td>PR: C.I. Mass and thermal transport, phase transformations and Arhenius rate processes. Occasional.</td>
</tr>
<tr>
<td>EMA 5415</td>
<td>Electronic Principles of Materials Properties</td>
<td>3(3,0)</td>
<td>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.</td>
</tr>
<tr>
<td>EMA 5504</td>
<td>Modern Characterization of Materials</td>
<td>3(2,2)</td>
<td>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.</td>
</tr>
<tr>
<td>EMA 5505</td>
<td>Scanning Electron Microscopy</td>
<td>3(2,2)</td>
<td>PR: EMA 5104 or C.I. A review of electron optics, beam/specimen interaction, image formation, X-ray analysis, specimen preparation, microtechnique applications and cryogenicity in the SEM. Occasional.</td>
</tr>
<tr>
<td>EMA 5517</td>
<td>Advanced Materials Characterization by Ion Beam Analysis</td>
<td>3(2,2)</td>
<td>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.</td>
</tr>
<tr>
<td>EMA 5584</td>
<td>Biomaterials</td>
<td>3(3,0)</td>
<td>PR: EGN 3365. Properties of natural biological materials and their relation to microstructure, biocompatibility, specific applications in orthopedic, cardiovascular, visual, neural, and reconstruction implants. Even Spring.</td>
</tr>
<tr>
<td>EMA 5585</td>
<td>Materials Science of Thin Films</td>
<td>3(3,0)</td>
<td>PR: Graduate standing or C.I. Interaction of thin film processing techniques with the structure and properties of the materials deposited. Odd Fall.</td>
</tr>
<tr>
<td>EMA 5586</td>
<td>Photovoltaic Solar Energy Materials</td>
<td>3(3,0)</td>
<td>PR: EGN 3365. Material properties of photovoltaic structures, homojunction, heterojunction, and surface barrier solar cells, AMOS-1D modeling of c-Si, GaAs bulk and a-Si:H, CIGS, and CdTe thin film solar cells. May be repeated for credit. Occasional.</td>
</tr>
<tr>
<td>EMA 5587</td>
<td>Characterization and Polyvability of PV Cells</td>
<td>3(2,2)</td>
<td>PR: EGN 3365. Photovoltaic characterization of solar cells; dark and light I-V, C-V, and quantum efficiency, physics of failure of microscopic devices, solder bonds, encapsulation, PV module reliability. Occasional.</td>
</tr>
<tr>
<td>EMA 5588</td>
<td>Biocompatibility of Materials</td>
<td>3(3,0)</td>
<td>PR: EGN 3365 or C.I. Biocompatibility and bioactivity; cell-biomaterials interactions; engineering bone and cartilage; soft-tissue replacement; total hip replacements; nanostructured biomaterials, imaging technologies, preservation techniques for biomaterials, MSDS and FDA compatibility data. Occasional.</td>
</tr>
<tr>
<td>EMA 5610</td>
<td>Laser Beam Processing</td>
<td>3(3,0)</td>
<td>PR: EGN 3343 or EMA 5106 or C.I. Laser beam optics, laser-material interactions; laser heating, melting, vaporization. Plasma formation; laser surface treatment, welding, machining; laser material synthesis. Thin film deposition, crystal growth. Occasional.</td>
</tr>
<tr>
<td>EMA 5705</td>
<td>High Temperature Materials</td>
<td>3(3,0)</td>
<td>PR: EMA 5104 or C.I. Desired material properties for high temperature applications, physical metallurgy of such materials, corrosion, hot corrosion and oxidation protection, aero- and land-based gas turbine requirements. Occasional.</td>
</tr>
<tr>
<td>EMA 5810</td>
<td>Teaching and Learning with Technology</td>
<td>1(1,0)</td>
<td>PR: Acceptance into Ed Media Program or C.I. 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.</td>
</tr>
<tr>
<td>EML 3034C</td>
<td>Modeling Methods in Mechanical and Aerospace Engineering</td>
<td>3(3,1)</td>
<td>PR: &quot;C&quot; (2.0) or better in one of the following: MAC 2311, MAC 2312, MAC 3213, MAP 2302 and PHY 2048. Computer aided modeling of mechanical and aerospace systems. Solution methods. Curve fitting. Numerical calculus and solution of differential equations with applications to mechanical and aerospace engineering. Fall, Spring.</td>
</tr>
<tr>
<td>EML 3101</td>
<td>Thermodynamics of Mechanical Systems</td>
<td>3(3,0)</td>
<td>PR: EGN 3343 and a &quot;C&quot; (2.0) or better in all of the following: MAC 2311, MAC 2312, MAC 2313, MAP 2302, and PHY 2048. Graphical, mathematical, and computer-aided kinematics, analysis, and synthesis of basic mechanisms. Fall.</td>
</tr>
<tr>
<td>EML 3262</td>
<td>Kinematics of Mechanisms</td>
<td>3(3,0)</td>
<td>PR: EGN 3343 and a &quot;C&quot; (2.0) or better in all of the following: MAC 2311, MAC 2312, MAC 2313, MAP 2302 and PHY 2048. Kinematical, mechanical, and computer-aided kinematics, analysis, and synthesis of basic mechanisms. Fall.</td>
</tr>
<tr>
<td>EML 3303C</td>
<td>Mechanical Engineering Measurements</td>
<td>3(2,3)</td>
<td>PR: EGN 3343, CR: EGM 3601. Theory, calibration and use of instruments following: MAC 2311, MAC 2312, MAC 2313, MAP 2302 and PHY 2048. Graphical, mathematical, and computer-aided kinematics, analysis, and synthesis of basic mechanisms. Fall.</td>
</tr>
<tr>
<td>EML 3500</td>
<td>Machine Design and Analysis</td>
<td>3(3,0)</td>
<td>PR: EGN 3601. Application of the principles of mechanics of materials to the design of mechanical elements. Spring.</td>
</tr>
<tr>
<td>EML 3701</td>
<td>Fluid Mechanics I</td>
<td>3(3,0)</td>
<td>PR: EGN 3343 and EGM 3601. Design for function and invention, in both engineering and nature: economy, form, beauty, energy, mechanism, structure, evolution in nature. Occasional.</td>
</tr>
<tr>
<td>EML 4224C</td>
<td>Engineering Design Practice</td>
<td>3(2,2)</td>
<td>PR: EML 3034C and EML 3500 or EAS 4200. Basic CAD/CAM solid modeling techniques in a project oriented environment. Students will construct part models, drawings, and assemblies. Use of in-house software. Fall, Spring. M&amp;S fee: $25.00</td>
</tr>
<tr>
<td>EML 4142</td>
<td>Heat Transfer</td>
<td>3(3,0)</td>
<td>PR: EML 3701 and EML 3034C. Conduction, radiation, and convection heat transfer. Basic energy balances emphasized. Steady state and transient problems, analysis and design of simple heat exchangers. Fall, Spring.</td>
</tr>
</tbody>
</table>
ENC 4414 CAH-ENG 3(3,0) Writing and Hypertext: PR: Grade of C (2.0) or better required in ENC 3211 or ENC 3241. Theories of electronic literacy and information to develop a more critical sensibility regarding hypertext. Occasional.

ENC 4415 CAH-ENG 3(3,0) Digital Rhetorics and The Modern Dialectic: PR: Grade of C (2.0) or better required in ENC 1102. This course explores the development of digital rhetoric through a close reading and analysis of formative rhetorical texts, modern American fiction and films. Fall, Spring.

ENC 5216 CAH-ENG 3(3,0) Editing Professional Writing: PR: Graduate status or senior standing or C.I. The study of major issues in editing, including levels of edit, grammar and mechanics, visuals, style, and the impact of technology. Fall, Spring.

ENC 5225 CAH-ENG 3(3,0) Theory and Practice of Document Usability: PR: Graduate status or senior standing or C.I. Presents the 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 documentary genres for professionals in business, focusing on audience, purpose, style, arrangements, and content. Fall, Spring.

ENC 5245 CAH-ENG 3(3,0) Teaching Professional Writing: PR: Graduate status or senior standing or C.I. Prepared students to determine needs of professional discourse communities, analyze those needs, and design in-house or freelance writing programs to address those needs. Occasional.

ENC 5276 CAH-ENG 3(3,0) Writing/Consulting: Theory and Practice: PR: Graduate status or senior standing or C.I. The theory and practice of assessing and responding to writing as a collaborator (as opposed to evaluator). Occasional.

ENC 5291 CAH-ENG 3(3,0) Developing Professional Writing Projects: PR: Graduate status or C.I. Developing Professional Writing is a course in which students learn the basics of planning writing projects, including scheduling, budgeting, collaborative writing, production, and problem solving. Occasional.

ENC 5337 CAH-ENG 3(3,0) Modern Rhetorical Theory: PR: Graduate status or senior standing or C.I. With special attention to the rhetorical-adventurist relationship, the course studies history and practice of modern rhetorical theory. Spring.

ENC 5705 CAH-ENG 3(2,1) Theory and Practice in Composition: PR: Graduate status or senior standing or C.I. Intensive study of theories of composition, with practical experience in the writing laboratory and in composition classes. Spring.

ENC 5745 CAH-ENG 3(3,0) Teaching Practicum: PR: ENC 5705, graduate status or senior standing or C.I. To supplement and deepen theoretical and practical experiences during their first teaching semester, GTA’s will participate in staff development and individual conferences with their mentors. Occasional.

ENC 5930 CAH-ENG 3(3,0) Current Topics in Professional Writing: PR: Graduate status or C.I. Students will learn how to produce texts for specialized fields of discourse, including the medical and legal 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. Student evaluation of selected fiction, poetry, and drama through practical exercises in literary criticism. Occasional.

ENG 3014 CAH-ENG 3(3,0) Theories and Techniques of Literary Study: PR: Junior standing, or C.I., and C. (2.0) or better required in ENC 1102. Techniques of analysis, theories of interpretation, and application of critical approaches to selected works. Fall, Spring.

ENG 3073 CAH-ENG 3(3,0) Cultural Studies Literature: PR: Grade of C (2.0) or better required in ENG 3012. Theories of culture 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 ENG 3014. The differences in emphasis, medium, and technique 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 Bibliography and Research: PR: Graduate status or senior standing or C.I. Bibliographical, library and systematic approaches to research at the graduate level in language and literature. Fall.

ENG 5120 CAH-ENG 3(3,0) English Literature I: PR: Grade of C (2.0) or better required in ENC 1102. Beowulf to 1768. Fall, Spring.

ENG 5122 CAH-ENG 3(3,0) English Literature II: PR: Grade of C (2.0) or better required in ENC 1102. From 1768 to 1914. Fall, Spring.

ENG 5231 CAH-ENG 3(3,0) Restoration Literature: PR: Grade of C “or better in ENC 1102. 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. A 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 African, South Asian, and Caribbean lineage. Occasional.

ENG 5391 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.

ENG 5391H 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.

ENG 4101 CAH-ENG 3(3,0) English Novel: PR: Grade of C (2.0) or better required in ENG 3014. Analysis of major English novelsists. Occasional.

ENG 4220 CAH-ENG 3(3,0) English Renaissance Poetry and Prose: PR: Grade of C (2.0) or better required in ENG 3014. The course will examine selected poetry and prose of Wyatt, Surrey, Sidney, Spenser, Marlowe, Raleigh, Daniel, Shakespeare, Chapman, Lyly & others. Occasional.

ENG 4230 CAH-ENG 3(3,0) 18th Century Studies: PR: Grade of C (2.0) or better required in ENG 3014. Reading, analysis, and discussion of literature in English. 1660-1880. May be repeated for credit. Occasional.

ENG 4240 CAH-ENG 3(3,0) English Romantic Writers: PR: Grade of C (2.0) or better required in ENG 3014. Study of English poets and essayists of the romantic period, such as Wordsworth, Coleridge, Hazlett, Lamb, Byron, Shelley and Keats. Occasional.
ENV 4112C ECS-CECE 3(2,2)  
Air Pollution Measurements Lab: Measurement of gaseous flow, isokinetic sampling, and pollutant quantification. Emphasis is placed on EPA methods. Occasional. M&S fee: $30.00

ENV 4120 ECS-CECE 3(3,0)  
Air Pollution Control: PR: EGN 3343, CWR 3201, and ENV 3001 with a grade of "C" (2.0) or better. Air resource management, design, and operation of air pollution control systems. Fall.

ENV 4122C ECS-CECE 3(2,2)  
Air Pollution Control Design: PR: ENV 4120. Project course on design of air pollution control equipment and systems. Spring. M&S fee: $15.00

ENV 4300C ECS-CECE 3(2,2)  
Solid Waste Facility Design: PR: ENV 4304. Project course on design of a municipal solid waste landfill. Occasional. M&S fee: $15.00

ENV 4341 ECS-CECE 4(4,0) Solid & 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 4432 ECS-CECE 3(3,0) Potable Water Treatment: PR: ENV 3001 and CWR 3201. Detailed investigation of principles of design and operation of potable water treatment facilities. May be repeated for credit. Occasional.

ENV 4531 ECS-CECE 3(3,0) Wastewater Treatment Processes: PR: ENV 3001 and CWR 3201. Detailed investigation of principles of design and operation of wastewater treatment facilities. May be repeated for credit. Occasional.


ENV 4562C ECS-CECE 3(2,2) Environmental Engineering Systems Design: PR: ENV 4561, ESE 4022C. Project course on design of wastewater and wastewater treatment plants. Spring. M&S fee: $15.00


ENV 5116C ECS-CECE 3(2,3) Air Pollution Monitoring: PR: C.I. Air Pollution sampling techniques, equipment, and monitor sitting. Emphasis on theory and direct applications in air pollution monitoring. Occasional. M&S fee: $15.00

ENV 5334 ECS-CECE 3(3,0) Characterization of Hazardous Waste Sites: PR: CWR 4101C and ENV 4341 or C.I. Practical and comprehensive methods of hazardous waste site characterization to determine site properties, contamination type, magnitude and risk, 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 the handling, storage, treatment, transportation, and disposal of hazardous wastes. Occasional.

ENV 5356 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.
EST 3222 ECS-ENT 3(3,0)  
Photronics Technology: PR: PHY 2053C, PHY 2054C, MAC 3402, MAC 2252, and MAC 2253 or MAC 2311. Course will introduce engineering technology students to the field of photronics. Light properties, optics, lasers, systems. Fall.

EST 3543C ECS-ENT 3(2,2)  
Programmable Logic Applications and Device Integration: PR: MAC 1105, EST 3512, or equivalent. Builds on knowledge of logic fundamentals programming technologies, integrated circuits, and number systems. Design and test systems using programmable logic protocol. Fall, Spring.

EST 4225 ECS-ENT 3(3,0)  
Manufacturing of Phototics: PR: EST 3222. Manufacturing processes and practices of photonic devices and systems. Tolerance studies, manufacturing lines, tests, measurements, and other topics related to low and high volume photronics manufacturing. Fall.

EST 4227 ECS-ENT 3(3,0)  
Photonic Sensors and Devices: PR: EST 3213. EST 3211. How light is converted to electrons to incorporate an electronic system. Standard means of detecting light such as photodiodes and charge-coupled devices will be covered. Spring.

EST 4236 ECS-ENT 3(3,0)  

EST 4256 ECS-ENT 3(3,0)  
Photomics Communication: PR: EST 4227, EST 4236. The use of light as media for transmission of information. Modulation techniques, light transmission through different mediums, and detection and demodulation. Spring.

EST 4502C ECS-ENT 4(3,2)  
Metrology and Instrumentation: PR: ETG 3541, EET 3008C. An introduction to the basic concepts and terminology of metrology and instrumentation. Theory, procedures and techniques essential to industrial measurement and laboratory practice are covered. Spring.

ETC 4206 ECS-ENT 3(3,0)  
Construction Estimating: PR: MAC 1114, & EGN 1110C or equivalent & ETC 4241C. Techniques of making estimates and computations of materials, labor, equipment, overhead costs and profits. Software packages are utilized. Spring.

ETC 4241C ECS-ENT 3(2,2)  
Construction Materials and Methods: CR: ETG 3541. Fundamentals of construction materials. Introduction to the basic properties and shapes used as related to the construction of buildings. Fall.

ETC 4242 ECS-ENT 3(3,0)  
Construction Contracts and Specifications: The role of construction contracts, architectural specifications, product specifications, industry standards and building codes in the process of building construction. Spring.

ETC 4243 ECS-ENT 4(4,0)  

ETC 4414C ECS-ENT 3(2,2)  

ETC 4415C ECS-ENT 3(2,2)  

ETD 2350C ECS-ENT 3(2,2)  
Applied CADD: PR: Junior Standing. This course in computer-aided drafting/design provides the student with the opportunity to approach detailed and intricate drafting/design problems from a computer perspective. Fall.

ETG 3533C ECS-ENT 4(3,2)  
Applied Engineering Strength of Materials: PR: MAC 2253, MAC 3111, ETG 3541, PHY 2053C. Analysis of structures. Junior standing; CR: MAC 2253 or MAC 2311. Relationship between external forces and action of members of a structure. Topics include stress, shear, moment, deflections, columns, connections, and Mohr’s circle. May be repeated for credit. Spring.

ETG 3541 ECS-ENT 3(3,0)  

ETG 4950C ECS-ENT 3(1,4)  
Senior Design Project: PR: Senior Standing. Engineering Technology major and must be within 18 hour of graduation. Supervised individual or group projects involving project definition, planning, development, testing, and evaluation. Fall, Spring.

ETG 5918 ECS-ENT 3(3,0)  
Applied Research Methods: PR: Graduate standing or CI. Broad overview of applied research methods from the literature review process to the investigation, modeling, experimental design, analysis of results, and technical reports. Fall.

ETI 3116 ECS-ENT 3(3,0)  

ETI 3418C ECS-ENT 3(2,2)  
Computer Numerical Controls - Machining Applications: PR: ETI 3200C. Theory of mathematical concepts and methods for machining, computer numerical control programs, types of operations, cutting tools, machine tools, and electrical discharge machines. May be repeated for credit. Occasional.

ETI 3421 ECS-ENT 3(3,0)  

ETI 3651C ECS-ENT 3(2,2)  
Computer Applications: PR: MAC 1105 and Junior standing. Standard engineering software packages found in most companies, institutions, and organizations to solve engineering problems. Fall, Spring.

ETI 3671 ECS-ENT 3(3,0)  

ETI 3690 ECS-ENT 3(3,0)  
Technical Sales: PR: Junior standing or C.I. Application of technical knowledge to sales and service. Relationship of technical sales organization to production, customers, and competitors. Even Spring.

ETI 4150 ECS-ENT 3(3,0)  
Spacecraft Quality Assurance and Testing: PR: PHY 2053C. Quality assurance, reliability, and testing of space hardware and software, with the examination of designing, manufacturing, testing, and operation. Occasional.

ETI 4186 ECS-ENT 3(3,0)  
Applied Reliability: PR: ETI 3116. Practical application of reliability concepts and analysis applicable to the design, production and logistics phases of systems and system components. Odd Spring.

ETI 4205 ECS-ENT 3(3,0)  
Applied Logistics: PR: ETI 3116 or C.I. Introduction to logistics. Emphasis on practical applications. Includes systems engineering, cost/systems effectiveness, reliability, maintainability, system functional analysis, logistic support analysis, life cycle cost analysis. Fall.

ETI 4381 ECS-ENT 3(3,0)  
Ground System Design: PR: PHY 2053C. Rocket propulsion, flight mechanics, spacecraft design, spacecraft integration and launch, and development of communications and satellite design. Fall, Occasional.

ETI 4382C ECS-ENT 3(1,4)  

ETI 4448 ECS-ENT 3(3,0)  
Applied Project Management: PR: Junior Standing. Focuses on project management in most companies, principles, timelines, scheduling, and resource allocation methods. Techniques will be appropriate for large and small projects within commercial, academic or non-profit organizations. Spring.

ETI 4805C ECS-ENT 3(2,2)  
Robotics: PR: EST 3543C. Robotics programing for multifunction part manipulation and motions with stepper and servo-motor robot applications in laboratory work. Occasional

ETI 4835 ECS-ENT 3(3,0)  
Technical Administration: PR: Junior Standing. Techniques of applying ground systems design and operation for professional positions held by Engineering Technologists. Management functions of planning, organizing, motivating, and controlling, production, sales, and service. Fall, Spring.

ETI 4640 ECS-ENT 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.

ETI 4661C ECS-ENT 3(2,2)  
Applied Facilities Planning and Design: PR: ETI 4242, engineering drawing and senior Standing. The design and manufacturing facilities and material handling systems. Occasional.

ETI 4700 ECS-ENT 3(3,0)  

ETI 4835 ECS-ENT 3(3,0)  
Rocket Propulsion Technology: PR: PHY 2053C, Calculus I, II, and III. Principles of rocketry; solid, liquid and hybrid rocket stages; specific impulse computations; fuel and oxidant computations; nozzle cone, and nozzle designs; ignition mechanisms. Fall.

ETI 4836 ECS-ENT 3(3,0)  
Space Systems Technology: PR: PHY 2053C. Applied space technology, design of space systems, space environment, flight dynamics, atmospheric drag, power supply, communications technology. May be repeated for credit. Fall.

ETI 4838 ECS-ENT 3(3,0)  
Flight Dynamics Technology: PR: PHY 2053C, Calculus I, II, and III. Orbital trajectory design; analysis of vehicle sustained g-forces; vehicle vibration analysis; rotor maneuvering; atmospheric re entry; launch windows; rocket apogee and down range computations; wind corrections and launch angles. Spring.

ETM 4220 ECS-ENT 4(4,0)  

ETM 4231C ECS-ENT 3(2,2)  
Applied Heat Transfer: PR: ETG 3541 or equivalent, MAC 2253 or MAC 2311. An introduction to the basic concepts and applications of conduction, convection and radiation heat transfer. Basic energy balances and their applications are emphasized. Study state and transient problems are evaluated, including numerical solutions. Occasional.
ETM 433C1 ECS-ENT 4(3,2) Applied Fluid Mechanics: PR: MAC 2283 or MAC 2313, PHY 2053C or equivalent. An introduction to the basic concepts of hydromechanics and hydromedical covering fluid statics, flow of ideal fluids, continuity of mass, impulsive and momentum principles, conservation of energy, flow of fluid in pipes, etc. Occasional.


EUH 2000 CAH-HIST 3(3,0) Western Civilization I: A survey of western civilization from ancient to 1648. Fall, Spring.


EUH 2001 CAH-HIST 3(3,0) Western Civilization II: A survey of western civilization from 1648 to present. May be taken before EUH 2000. Fall, Spring.


EUH 3122 CAH-HIST 3(3,0) Medieval Society and Civilization: PR: EUH 2000 and 2001 or C.I. Fall, Spring.

EUH 3142 CAH-HIST 3(3,0) The Crusades: PR: EUH 2000 and EUH 2001, or C.I. The phenomenon of crusading in medieval Europe and its key institutions, cultural as well as social developments in Ireland after 1800. Odd Fall.

EUH 3315 CAH-HIST 3(3,0) History of Modern Spain: PR: Modern European History (18th-20th century). The evolution of Modern Spain through its key institutions, cultural as well as social movements, and impact of political and intellectual trends, 1700-Present. Occasional.


EUH 3431 CAH-HIST 3(3,0) History of Modern Italy: PR: EUH 2001. The history of modern Italy from the origins of national unification through the post-World War II era. Occasional.

EUH 3431H CAH-HIST 3(3,0) Honors History of Modern Italy: PR: EUH 2001 and consent of Honors. The history of modern Italy from the origins of national unification through the post-World War II era, with honors content. Occasional.


EUH 3451 CAH-HIST 3(3,0) History of Modern France: PR: EUH 2001, EUH 3426 or C.I. France beginning with the Napoleonic era. Topics include nineteenth century social, political and consumer revolutions, the World Wars, the Cold War, imperialism and decolonization. Occasional.

EUH 3531 CAH-HIST 3(3,0) Medieval Ireland: PR: EUH 2000 and EUH 2001 or C.I. Ireland’s historical and cultural development from 1129 to 1607. 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 1607 to 1800. Occasional.


EUH 3651 CAH-HIST 3(3,0) War and Society: Evolution of weapons, tactics, strategy; role, social status, recruitment of soldiers; influence of military on governments; and international efforts to preserve peace. Occasional.


EUH 4284 CAH-HIST 3(3,0) Fascism and Nazism in the Interwar Europe: PR: EUH 2000 and 2001 or C.I. Fascist and Nazi movements in Europe through its key institutions, cultural as well as social movements. Occasional.


EUH 4465 CAH-HIST 3(3,0) Hitler’s Third Reich: PR: EUH 2000 and 2001 or C.I. An introduction to the Nazi party, the Holocaust, World War II, and international efforts to preserve peace. Occasional.

EUH 4601 CAH-HIST 3(3,0) English History to 1485: PR: EUH 2000 and 2001 or C.I. Occasional.

EUH 4601H CAH-HIST 3(3,0) Honors English History to 1485: PR: EUH 2000 and 2001 or C.I. Occasional.

EUH 4602 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. The history of Russia to 1801. From the reign of Czar Ivan V to the Congress of Vienna. Occasional.

EUH 4574 CAH-HIST 3(3,0) History of Russia: 1801-1917: PR: EUH 2000 and 2001 or C.I. The history of Russia from 1801 to 1917. From the Congress of Vienna to the Russian Revolution. Occasional.

EUH 4576 CAH-HIST 3(3,0) History of Russia in the 20th Century: PR: EUH 2000 and 2001 or C.I. A comparison of the original form of the Olympic Games (and ancient notions of sport) to their modern counterparts. Occasional.


EUH 4674H CAH-HIST 3(3,0) Honors Sports & Society in the Ancient World: PR: GEP Honors completion or permission of Honors. Interdisciplinary approach to comparing the original Olympic games and other ancient athletic spectacles with 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 Europe Since World War II: PR: Graduate status or senior standing or C.I. Reading and class discussion of the literature on selected topics in European history since WW II. Occasional.

EUH 5371 CAH-HIST 3(3,0) Colloquium in Spanish History: PR: Graduate status or senior standing or C.I. Reading and class discussion of the literature on selected topics in Spanish history. Occasional.
UCF Courses and Descriptions

EUH 5415 CAH-HIST 3(3,0)
Rome and Early Christianity: PR: Graduate standing or C.I. Co-op program. Students will study the development of Christianity from its development as a distinct religion to its religion with eventual "triumph" within the Roman Empire. Occasional.

EUH 5459 CAH-HIST 3(3,0)
Colloquium in French History: PR: Graduate standing or C.I. Readings in selected topics in French History. May be used in the degree program a maximum of 3 times. Occasional.

EUH 5546 CAH-HIST 3(3,0)
Colloquium: British History: PR: Graduate status or senior standing or C.I. Selected topics in British History. There is no standard syllabus because content is different with each offering. May be repeated for credit only when course content is different. Occasional.

EUH 5579 CAH-HIST 3(3,0)
Colloquium in Soviet Russia: PR: Graduate status or senior standing or C.I. Reading and class discussion of the literature on selected topics in Russian history, 1911-present. Occasional.

EUH 5595 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 prior to the Czars prior to 1917. Occasional.

EUH 5608 CAH-HIST 3(3,0)
Cooperative Programs in Vocational Education: PR: Graduate status or senior standing or C.I. Reading and class discussion of the literature on selected topics of European intellectual history. Occasional.

EVT 5930 COS-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.

EVT 3062 ED-TLP 3(3,0)
Professional Role of the Vocational Teacher: PR: EVT 3371 or C.I. Occasional.

EVT 3312 ED-TLP 3(3,0)
Course Construction in Health Occupations Education: PR: EVT 3365 or C.I. Planning and preparation of materials, managing the laboratory and involvement in appropriate Vocational Student Organizations. Clinical instruction related to vocational education and industry training. Occasional.

EVT 3365 ED-TLP 3(3,0)
General Methods/Testing Evaluation in Vocational Education: General teaching methods, testing and evaluation. Techniques specific to Vocational Education and Industry Training. Odd Fall.

EVT 3367 ED-TLP 3(3,0)

EVT 3371 ED-TLP 3(3,0)
Course Construction in Industrial Education: PR: EVT 3365 or C.I. Planning and preparing instructional materials, organizing and managing the Industrial Education laboratory, and involvement in VICA. Occasional.

EVT 3502 ED-TLP 3(3,0)
Special Needs of Vocational Students: PR: EVT 3365 or C.I. Achievement of teacher competency in meeting the special needs of the handicapped, culturally different, slower learner, those with basic skill deficiencies, and those in non-traditional programs. Spring.

EVT 4065 ED-TLP 3(3,0)

EVT 4169 ED-TLP 3(3,0)
Curriculum Development Techniques for Vocational Education: The practical application of fundamental knowledge, important skills, alternative analysis methods, and the critical elements of the trainers analysis tasks. Spring.

EVT 4368 ED-TLP 3(3,0)
Advanced Teaching Techniques for Vocational Education: PR: EVT 3365 or C.I. Study, practice, and achievement of techniques including cooperative learning, simulation, instructional modeling and evaluation of instructional effectiveness. Fall.

EVT 4815 ED-ERTL 3(3,0)
Special Needs of Vocational Students: EVT 3365 or C.I. Federal regulations, safety practices, guidance, and support materials for technical trainers and teachers in school and industrial settings. Occasional.

EVT 5260 ED-TLP 2-4(2-4,0)
Cooperative Programs in Vocational Education: PR: Regular Certificate or C.I. Study of cooperative vocational programs and achievement of competencies needed to establish, manage, and coordinate co-op program activities in all vocational areas. Occasional.

EVT 5266 ED-TLP 2-4(2-4,0)
Management of Vocational Programs: PSY: Rank III Certificate or C.I. Study and achievement of selected competencies needed by vocational teachers, supervisors, and local administrators in the management of vocational education programs in the schools. Occasional.

EXP 5661 ED-TLP 2-3(2-3,0)
Student Guidance in the Vocational Program: PR: Basic Teacher Certificate or C.I. Achievement of skills used by teachers as they gather student data, confer with students, and help students plan for employment or further education. Occasional.

EXP 3204C COS-PSYCH 4(3,2)
Perception: PR: PSY 2012, PSY 3212C. Consideration of physical and psychological variables in perceptual phenomena. Lecture/Lab. Fall.

EXP 3250 COS-PSYCH 3(3,0)

EXP 3304 COS-PSYCH 3(3,0)

EXP 3404 COS-PSYCH 3(3,0)

EXP 3604 COS-PSYCH 3(3,0)

EXP 4507C COS-PSYCH 3(1,4)

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 physiological variables in sensory and perceptual phenomena. Odd Spring.

EXP 5254 COS-PSYCH 3(3,0)
Human Factors and Aging: PR: Graduate standing, post bac, or senior standing with C.I. An overview of issues related to enhancing quality of life of elders 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. Study of human factors literature. Introduction to topics including human capabilities and human interfaces with human-machine systems. Fall.

EXP 5445 COS-PSYCH 3(3,0)
Psychology of Learning and Motivation: PR: DEF 5257, and graduate status or senior standing or C.I. Emphasis on theories and research concerning the acquisition and retention of behavior, as well as 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)
Foundations of Aesthetic Expressions: PR: Digital Media or Cinema Studies major. Analysis and practice of aesthetic principles essential in filmmaking, including composition, moving graphics, image design, and lighting styles. Fall, Spring. M&S fee: $5.00.

FIL 1009 CAH-FILM 3(3,0)
Cinematic Expression for Majors: PR: Film BFA or World Cinema major, and FIL 1100 or FIL 1007. Analysis and practice of aesthetic principles essential in film-making, including composition, moving graphics, image design, and lighting styles. Spring.

FIL 1100 CAH-FILM 3(3,0)
Foundations of Story for Majors: PR: Film BFA or World Cinema major. Analysis of dramatic and cinematic narrative structures, both plot and character, from a historical and cultural perspective. Occasional.

FIL 1142 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 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: PR or CR: ENC 1101, and FIL 1007 or FIL 1100. 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)
Director for Film I: PR: FIL 1007 or FIL 1100, FIL 1008 or 1009, and FIL 3427C. PR 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.
Introduction to Scriptwriting: PR: Film majors only. Rudiments of screenwriting, including visual storytelling, story structure, character, dialogue, and introduction to scriptwriting software. Occasional.

FIL 3115 CAH-FILM
Short Script I: PR: FIL 2107 and Film BFA or World Cinema major, or C.I. Rudiments of writing the short script. Analysis of short script models and examination of differences between long and short forms. Writing scripts for workshops. Fall, Spring.

FIL 3132 CAH-FILM
Short Script II: 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.

FIL 3304C CAH-FILM
Documentary Vision: PR: FIL 3363C. Styles and approaches to documentary filmmaking, with emphasis on making short, personal films. Spring.

FIL 3307 CAH-FILM
Docuscrama: 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.

FIL 3363C CAH-FILM
Film Documentary: PR: FIL 3303C and Film BFA. World Cinema, or Cinema Studies major, or C.I. The uses and analysis of the non-fiction film. Fall. M&S fee: $5.00

FIL 3379C CAH-FILM
Advanced Documentary Production: PR: FIL 335C and FIL 3454, or C.I. Focus on advanced documentary production to capture on-going real-life situations. Occasional. M&S fee: $5.00

FIL 3379H CAH-FILM

FIL 3427C CAH-FILM
Introduction to Film Production: PR: PR or CR: FIL 2107 and Film BFA or World Cinema major. Introduction to production utilizing film equipment. Basic technical and aesthetic aspects of production. Fall. M&S fee: $45.00

FIL 3454C CAH-FILM
Film Landscapes: Story, Image and Production Design: PR: FIL 2107 and FIL 3427C, and a satisfactory portfolio or C.I. The use of landscape in film and its importance to the art of production design. Occasional.

FIL 3462C CAH-FILM
Cinematic Expression: PR: FIL 3303C. Cinematography using video format, study of fundamentals of motion picture communication, film structure and storytelling. Spring.

FIL 3483 CAH-FILM
Directing the Actor for Film II: PR: FIL 2481. Characterization and scene study as it applies to directing the actor for film. Occasional.

FIL 3492C CAH-FILM
Performance in Film: PR: FIL 305C. Study of the different traditions and cultures of acting in film. Occasional.

FIL 3534 CAH-FILM
Sound Design for Film I: PR: Film BFA or BA major. Technical and aesthetics aspects of production and post-production sound recording, editing, and mixing for Film. Fall.

FIL 3581 CAH-FILM
Film Production Technology Workshop: PR: Restricted to Film majors. Demonstrations and hands-on workshops to understand and operate the tools of the filmmaking process. May be repeated for credit. Occasional.

FIL 3702C CAH-ART
Introduction to Animation: PR: Animation majors only. Rudiments of satisfactorily 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&S fee: $45.00

FIL 3734C CAH-ART
Intermediate Animation: PR: Animation majors only, FIL 3702C and a satisfactory portfolio or C.I. Focus on 3D computer modeling and animation systems. Hands-on exercise on the type of high-end animation systems used in the film industry. May be repeated for credit. Even Fall, Spring. M&S fee: $45.00

FIL 3803C CAH-FILM
Film Theory and Criticism I: PR: FIL 2107 and Film BFA, World Cinema, or Cinema Studies major. Major film theories to the Second World War Period. Fall. M&S fee: $10.00

FIL 3804C CAH-FILM
Film Theory and Criticism II: PR: FIL 3803C. Major film theories from the Second World War period to present. Spring. M&S fee: $10.00

FIL 3811 CAH-FILM

FIL 3812C CAH-FILM
Film Theories and Practices: PR: FIL 2107 (Introduction to Philosophy). Concentration on the film theories of filmmakers in relation to their own work and to the cinema generally. Spring.

FIL 3820 CAH-LANG
Italian Film: This course attempts to stimulate and 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.

FIL 3822 CAH-LANG
French Film: The study of French cinema as an art form and the role of the director. Films are analyzed from structural, social, economical, and historical perspectives with attention to their relationship with French literature. Taught in English. Occasional.

FIL 3823 CAH-LANG
German Film: 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.

FIL 3824 CAH-LANG
Italian Neo-Realist Cinema: PR: FIL 3036 or FIL 3037, or C.I. Post-WW II period of the Italian cinema, with emphasis on the work of Antonioni, Visconti, Pasolini, Fellini, and Rossellini. Occasional.

FIL 3826 CAH-FILM
American Cinema: PR: Film BFA, World Cinema, or Cinema Studies major, or Cinema Studies minor. Lectures, films and forums designed to provide awareness of styles, images, and myths in cinema that influence or reflect our culture. Spring.

FIL 3831 CAH-FILM

FIL 3841 CAH-FILM
French New Wave Cinema: PR: FIL 3036 or FIL 3037, or C.I. Post-WW II period of the French cinema, emphasizing the work of Resnais, Bresson, Godard, Rohmer, Renoir, and Rivette. Occasional.

FIL 3842 CAH-FILM
International Cinema: PR: PR or CR: FIL 3036 or FIL 3037 and Film BFA, World Cinema, or Cinema Studies major. Post-WW II period of the international cinema, with emphasis on the cinemas of Europe and Asia. Occasional.
Films and Film Directing:
FIL 3850 CAH-FILM 3(3,0)  Fall.

World Cinema, or Cinema Studies major, or C.I. Intensive Cinema Directors:
FIL 3850 CAH-FILM 3(3,0)  Fall.

Films of the American Filmmaker:
FIL 3852 CAH-FILM 3(3,0)  Spring.

Films as Literature:
FIL 3853 CAH-FILM 3(3,0)  Fall.

Films and Their Critics:
FIL 3854 CAH-FILM 3(3,0)  Fall.

Films and the Culture:
FIL 3855 CAH-FILM 3(3,0)  Fall.

Films and Their Stars:
FIL 3856 CAH-FILM 3(3,0)  Spring.

Films and Their Soundtracks:
FIL 3857 CAH-FILM 3(3,0)  Spring.

Films and Photography:
FIL 3858 CAH-FILM 3(3,0)  Fall.

Films and Television:
FIL 3859 CAH-FILM 3(3,0)  Spring.

Films and Their Authors:
FIL 3860 CAH-FILM 3(3,1)  Fall.

Color and Lighting in Cinema:
FIL 3861 CAH-FILM 3(3,1)  Fall.

Mise en scene and Theatricality:
FIL 3862 CAH-FILM 3(3,1)  Spring.

Film Colloquium:
FIL 3863 CAH-FILM 1(1,1)  Fall.

Experimentl Cinema I:
FIL 3876C CAH-FILM 3(3,1)  Spring.

Experimental Cinema II:
FIL 3877C CAH-FILM 3(3,1)  Fall.

Experimental Cinema III:
FIL 3878C CAH-FILM 3(3,1)  Fall.

Color and Lighting in Cinema:
FIL 3880C CAH-FILM 3(3,1)  Fall.

Films and Television:
FIL 3922 CAH-FILM 1(1,1)  Fall.

Film Colloquium:
FIL 3922 CAH-FILM 1(1,1)  Fall.

Animation Film History for Non Film Majors:
FIL 4040 CAH-DIG 3(3,0)  Fall.

History of Animated Films:
FIL 4042 CAH-FILM 3(3,0)  Fall.

Interactive Writing I:
FIL 4113C CAH-FILM 3(2,3)  Fall.

Interactive Writing II:
FIL 4114C CAH-FILM 3(3,2)  Spring.

Feature/TV Writing I:
FIL 4126C CAH-FILM 3(2,2)  Fall.

Feature/TV Writing II:
FIL 4127C CAH-FILM 3(3,3)  Spring.

Documentary Workshop II:
FIL 4135C CAH-FILM 3(3,1)  Fall.

Documentary Workshop III:
FIL 4136C CAH-FILM 3(3,3)  Spring.

Documentary Workshop IV:
FIL 4137C CAH-FILM 3(3,3)  Fall.

Documentary Workshop V:
FIL 4138C CAH-FILM 3(3,3)  Spring.

Documentary Workshop VI:
FIL 4139C CAH-FILM 3(3,3)  Fall.

Documentary Workshop VII:
FIL 4140C CAH-FILM 3(3,3)  Spring.

Documentary Workshop VIII:
FIL 4141C CAH-FILM 3(3,3)  Fall.

Documentary Workshop IX:
FIL 4142C CAH-FILM 3(3,3)  Spring.

Documentary Workshop X:
FIL 4143C CAH-FILM 3(3,3)  Fall.

Documentary Workshop XI:
FIL 4144C CAH-FILM 3(3,3)  Spring.

Documentary Workshop XII:
FIL 4145C CAH-FILM 3(3,3)  Fall.

Documentary Workshop XIII:
FIL 4146C CAH-FILM 3(3,3)  Spring.

Documentary Workshop XIV:
FIL 4147C CAH-FILM 3(3,3)  Fall.

Documentary Workshop XV:
FIL 4148C CAH-FILM 3(3,3)  Spring.

Documentary Workshop XVI:
FIL 4149C CAH-FILM 3(3,3)  Fall.

Documentary Workshop XVII:
FIL 4150C CAH-FILM 3(3,3)  Spring.

Documentary Workshop XVIII:
FIL 4151C CAH-FILM 3(3,3)  Fall.

Documentary Workshop XIX:
FIL 4152C CAH-FILM 3(3,3)  Spring.

Documentary Workshop XX:
FIL 4153C CAH-FILM 3(3,3)  Fall.

Documentary Workshop XXI:
FIL 4154C CAH-FILM 3(3,3)  Spring.

Documentary Workshop XXII:
FIL 4155C CAH-FILM 3(3,3)  Fall.

Documentary Workshop XXIII:
FIL 4156C CAH-FILM 3(3,3)  Spring.

Documentary Workshop XXIV:
FIL 4157C CAH-FILM 3(3,3)  Fall.

Documentary Workshop XXV:
FIL 4158C CAH-FILM 3(3,3)  Spring.

Documentary Workshop XXVI:
FIL 4159C CAH-FILM 3(3,3)  Fall.

Documentary Workshop XXVII:
FIL 4160C CAH-FILM 3(3,3)  Spring.

Documentary Workshop XXVIII:
FIL 4161C CAH-FILM 3(3,3)  Fall.

Documentary Workshop XXIX:
FIL 4162C CAH-FILM 3(3,3)  Spring.

Documentary Workshop XXX:
FIL 4163C CAH-FILM 3(3,3)  Fall.

Documentary Workshop XXXI:
FIL 4164C CAH-FILM 3(3,3)  Spring.

Documentary Workshop XXXII:
FIL 4165C CAH-FILM 3(3,3)  Fall.

Documentary Workshop XXXIII:
FIL 4166C CAH-FILM 3(3,3)  Spring.

Documentary Workshop XXXIV:
FIL 4167C CAH-FILM 3(3,3)  Fall.

Documentary Workshop XXXV:
FIL 4168C CAH-FILM 3(3,3)  Spring.

Documentary Workshop XXXVI:
FIL 4169C CAH-FILM 3(3,3)  Fall.

Documentary Workshop XXXVII:
FIL 4170C CAH-FILM 3(3,3)  Spring.

Documentary Workshop XXXVIII:
FIL 4171C CAH-FILM 3(3,3)  Fall.

Documentary Workshop XXXIX:
FIL 4172C CAH-FILM 3(3,3)  Spring.

Documentary Workshop XL:
FIL 4173C CAH-FILM 3(3,3)  Fall.

Documentary Workshop XLI:
FIL 4174C CAH-FILM 3(3,3)  Spring.

Documentary Workshop XLII:
FIL 4175C CAH-FILM 3(3,3)  Fall.

Documentary Workshop XLIII:
FIL 4176C CAH-FILM 3(3,3)  Spring.

Documentary Workshop XLIV:
FIL 4177C CAH-FILM 3(3,3)  Fall.

Documentary Workshop XLV:
FIL 4178C CAH-FILM 3(3,3)  Spring.

Documentary Workshop XLVI:
FIL 4179C CAH-FILM 3(3,3)  Fall.

Documentary Workshop XLVII:
FIL 4180C CAH-FILM 3(3,3)  Spring.

Documentary Workshop XLVIII:
FIL 4181C CAH-FILM 3(3,3)  Fall.

Documentary Workshop XLIX:
FIL 4182C CAH-FILM 3(3,3)  Spring.

Documentary Workshop L:
FIL 4183C CAH-FILM 3(3,3)  Fall.

Documentary Workshop LI:
FIL 4184C CAH-FILM 3(3,3)  Spring.

Documentary Workshop LII:
FIL 4185C CAH-FILM 3(3,3)  Fall.
FIL 4750C CAH-ART 3(2,4) Animation Workshop: PR: Animation majors only, FIL 3720C, FIL 3734C, FIL 4735C, and a satisfactory portfolio review or C.I. A production level course in computer animation that emphasizes all phases of the commercial production process, including storyboard, budgets, client relations, and post-production. May be repeated for credit. Fall, Spring. M&S fee: $45.00

FIL 4808 CAH-ART 3(3,0) Images and Text in Context: PR: FIL 3030 or C.I. Moving images, the still image, and text in their cultural contexts. Occasional.

FIL 4830 CAH-ART 3(2,2) Motion Picture Genre: PR: FIL 3030. Analysis and evaluation of films, including their major genres, directors, styles, and periods. Even Fall. M&S fee: $5.00


FIL 4863C CAH-ART 3(3,1) Concentration on the most recent work in film studies concerned with film in relation to cultural issues. Occasional.

FIL 4934C CAH-ART 3(3,1) Critical Problems in Film and Culture: PR: FIL 3035C. Concentration on the most recent work in film studies concerned with film in relation to cultural issues. Occasional.

FIL 4935C CAH-ART 3(3,0) Current Problems in Film Theory: PR: FIL 3035C. Concentration on most recent work in film studies concerned with film theory. Occasional.

FIL 5165 CAH-ART 3(3,0) Visual Storytelling: PR: Admission to Film and Digital media master’s program or C.I. Traditional forms of visual storytelling ranging from storyboard to classic structural paradigms for feature film scripts. Fall.

FIL 5414 CAH-ART 3(3,0) Film Vision, Scope & Financing: PR: Acceptance to the MFA Film & Digital Media program. Exploration of the creative and business challenges filmmakers encounter when working on a screenplay, including financing, making, and distributing a digital, microbudget motion picture. Spring.

FIL 5419 CAH-ART 3(3,0) Developing the Film Screenplay: PR: Admission to MFA Film & Digital Media-Entre Dig Cin track, or C.I. Development of an existing, original screenplay to fit the demands, limits, and possibilities of the microbudget, digital film paradigm. Fall.

FIL 5612 CAH-ART 3(3,0) Film and Internet Business: PR: Graduate status or senior standing or C.I. Survey of the business of financing and distributing films. Explores various, including feature films, short films, television documentaries and the Internet. Fall.

FIL 5800 CAH-ART 3(3,0) Research Methods in Film and Digital Media: PR: Admission to Film and Digital Media graduate program or C.I. Research methodology for the study and production of film and new media. Spring.

FIL 5853 CAH-ART 3(3,3) Independent Cinematic Forms: PR: Admission to MFA Film & Digital Media-Entre Dig Cin track, or C.I. Evolution of low budget independent cinematic films through the works of modern and classical filmmakers within and beyond the studio system. Fall.

FIL 5864 CAH-ART 3(3,0) Ways of Seeing: The Expressive Potential of Film: PR: Admission to MFA Film and Digital Media or C.I. A study of multidisciplinary theories that relate to the practice of filmmaking. Fall.
FLE 4333 ED-LTP 3(3,0)
Foreign Language Teaching in the Secondary School: EDG 4232 or EDG 6236, 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 skills, testing, error correction. May be repeated for credit. Occasional.

FLE 5331 ED-LTP 3(3,0)
Foreign Language Methods at the Secondary Level: PR: C.I., EDG 4232, or EDG 6236, 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 K-6 classroom. May be used in the degree program a maximum of 2 times. Occasional.

FLE 5335 ED-LTP 3(3,0)
Foreign Language Methods at the Elementary Level: PR: C.I. or FE 3433 or FE 5870, EDG 4232 or EDG 6236, and fluency in target language and English, Methods of planning and teaching foreign language at the elementary level. The emphasis is on teaching communicatively and on integrating culture in the K-6 classroom. May be repeated for credit. Occasional.

FRE 2200 CAL-LANG 3(3,1)
Intermediate French Language and Civilization I: PR: FRE 1121C or equivalent. Continuation of FRE 1120C. Fall, Spring.

FRE 2210 CAL-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 CAL-LANG 3(3,0)
Intensive French Conversation: PR: One year of French or equivalent. Practical use of the language, leading toward fluency and correctness in speaking. Occasional.

FRE 2270 CAL-LANG 8(16,10)

FRE 3300 CAL-LANG 3(3,0)
French Grammar: PR: FRE 2201 or equivalent. An in-depth overview of the practical use of French for students who intend to take French literature courses. Fall.

FRE 3410 CAL-LANG 3(3,0)
Advanced Oral French Abroad: PR: FRE 2200. FRE 2201 or equivalent. Designed for students participating in the Study Abroad Program in France. Students will be immersed throughout the term speaking French. May be repeated for credit. Occasional.

FRE 3420 CAL-LANG 3(3,0)
French Composition: PR: FRE 2201 or equivalent. Development of skills in composition. Fall.

FRE 3423 CAL-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 CAL-LANG 3(3,0)

FRE 3441 CAL-LANG 3(3,0)

FRE 3760 CAL-LANG 3(3,0)
Advanced French Oral Communication: PR: FRE 2201, or equivalent. Vocabulary building with systematic training in dictation and location. Speeches and oral presentations as well as production and delivery of real-life dialogues. Spring.

FRE 3780 CAL-LANG 3(3,0)
French Phonetics and Diction: French phonology, with emphasis on phonic groupings. Spring.

FRE 3954 CAL-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 CAL-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 CAL-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 CAL-LANG 6(6,0)
Advanced French Cultural Studies Abroad: PR: FRE 2201 or equivalent, or C.I. Students will develop strong conversational skills at the third year level while studying French culture. Abroad may be repeated for credit. Occasional.

FRE 4500 CAL-LANG 3(3,0)

FRE 4503 CAL-LANG 2(2,0)
Quebecois Civilization: PR: 2 years of college level French or equivalent. An introduction to the main epochs and events in the history of the French civilization in North America with particular emphasis on Quebec. Occasional.

FRE 4782 CAL-LANG 2(2,0)
Advanced French Phonetics and Diction: PR: 2 years of college level French or equivalent. Introduces the complexities in French phonetics and diction with both prose and poetry with particular emphasis on difficulties for speakers of English. Occasional.

FRT 3140 CAL-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 CAL-LANG 3(3,0)
French Contemporary Pop Culture: PR: FRE 2200. Examination of Modern France and its culture, with emphasis on contemporary trends in language, music, fashion, fiction, press, cyberculture, street arts, and food. Occasional.

FRT 4421 CAL-LANG 3(3,0)
French Medieval Literature and Culture: PR: FRT 3562. Provides students with the skills needed to read, discuss, and write about French Literature and culture of medieval France. Occasional.

FRW 3100 CAL-LANG 3(3,0)
Survey of French Literature I: PR: FRE 2201 or equivalent. Main literary currents and works from the Middle Ages through the 18th century. Fall.

FRW 3101 CAL-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 CAL-LANG 3(3,0)
Short Stories of 18th, 19th and 20th Centuries: PR: FRE 2201 or equivalent. Selected readings designed to introduce students to reading and writing French literature as well as literature of the French-speaking world. Authors include: Voltaire, Maupassant, Flaubert, Camus, and others. Occasional.

FRW 3740 CAL-LANG 3(3,0)

FRW 3752 CAL-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 3760 CAL-LANG 3(3,0)

FRW 3770 CAL-LANG 3(3,0)
Francophone Literature: PR: FRE 2201. Literature of the Francophone world. Students will read, analyze and discuss literary works written in French. Even Spring.

FRW 3810 CAL-LANG 3(3,0)
20th Century French Novels: PR: FRE 3100 or FRE 3101 or equivalent. Contemporary French Novel. Will focus on post-war authors, both traditional and avant-garde, such as Sartre, Beckett, Buto, Camus, Maupassant, Malraux and Sarrate. Occasional.

FRW 4310 CAL-LANG 3(3,0)

FRW 4324 CAL-LANG 3(3,0)
20th Century French Drama: PR: FRE 3100 or FRE 3102 or equivalent, or C.I. Concentration on traditional and avant-garde theater after WWII, such as the works of Beckett, Camus, Claudel, Claudoux, Ionesco, and Sarrie; different literary approaches will also be used. Occasional.

FRW 4380 CAL-LANG 3(3,0)

FRW 4440 CAL-LANG 3(3,0)

FRW 4532 CAL-LANG 3(3,0)

FRW 4552 CAL-LANG 3(3,0)
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FSS 2221C</td>
<td>RCHM-HOS Technicalities of Food Preparation: Basic principles of food and beverage preparation, service, and menu development. Fall, Spring. M&amp;S fee: $45.00</td>
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<tr>
<td>FSS 2284C</td>
<td>RCHM-FOOD&amp;LOG 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.</td>
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<tr>
<td>FSS 3008</td>
<td>RCHM-HOS Culture and Cuisine: PR: FSS 2221C and HFT 3253. The major historical and geographical developments that have affected the creation of the cuisines of the world. Spring.</td>
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<tr>
<td>FSS 3124</td>
<td>RCHM-HOS Supply and Procurement Management: PR: HFT 1000 and junior standing or C.I. The purchasing procedures, specifications, and controls of food and related products in the hospitality industry. Occasional. M&amp;S fee: $45.00</td>
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<tr>
<td>FSS 3232C</td>
<td>RCHM-HOS Intermediate Techniques of Food Production: PR: HFT 4206C. An advanced food production course which focuses on the relationship between food and culinary skills to develop in pantry, garnish manager, garnishing, and convenience foods and services. Laboratory class. Occasional. M&amp;S fee: $45.00</td>
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<tr>
<td>FSS 4135</td>
<td>RCHM-HOS Corporate Contract and Managed Services Organizations: PR: HFT 2023. The unique characteristics of managed services including contracting, commodity purchasing, pricing, and revenue management. Occasional.</td>
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<tr>
<td>FSS 4286C</td>
<td>RCHM-HOS Catering and Banquet Organization: PR: FSS 2221C and junior standing or C.I. Methods and procedures for successful on and off premise catering functions. Emphasis on food and beverage preparation, menu planning, service and sales techniques. Laboratory class. Occasional. M&amp;S fee: $45.00</td>
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<tr>
<td>GEB 1091C</td>
<td>BA-BUS Foundations of Leadership: PR: LEAD Scholars Program Seminar for LEAD Scholars in the College of Business. Provides a foundation in leadership, scholarship, and service regarding disciplines in the college. Fall, Spring.</td>
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<tr>
<td>GEB 2350</td>
<td>BA-MAR Foundations of Business: Introduction to the U.S. business system and the role it plays in a global economy. Fall.</td>
<td>3(0)</td>
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<tr>
<td>GEB 3031</td>
<td>BA-MAN Cornerstone: Professional Skills for Business: PR: Junior standing. An orientation to opportunities and challenges facing managers in contemporary business organizations. Introduces competencies of teamwork, communication, creative thinking, and adapting to change. Fall, Spring.</td>
<td>3(0)</td>
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<tr>
<td>GEB 3031L</td>
<td>BA-MAN Cornerstone Lab: Professional Skills for Business: PR: CBA major/minor or approved major minor OR. GEB 3031. Students apply concepts and principles introduced in GEB 3031 and related skills essential to academic and professional success. Fall, Spring.</td>
<td>1(0,2)</td>
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<tr>
<td>GEB 3113</td>
<td>BA-MAN 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.</td>
<td>3(0)</td>
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<tr>
<td>GEB 3375</td>
<td>BA-FIN Introduction to International Business: PR: Junior standing and ACC 2071, ECO 2013 and ECO 2002. Understanding the interdependence of globalized world economy and similarities between domestic and international business domains. Fall, Spring.</td>
<td>4(4,0)</td>
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<tr>
<td>GEB 3375H</td>
<td>BA-FIN Introduction to International Business - Honors: PR: Junior standing, permission of Honors. ACC 2071, ECO 2013, and ECO 2023. Understanding the interdependence of globalized world economy and similarities between domestic and international business domains. Same as GEB 3375 with honors level content. Occasional.</td>
<td>4(4,0)</td>
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<tr>
<td>GEB 4110</td>
<td>BA-MAN Business Plan Preparation: PR: MAN 4852 or GEB 4152. Develop a new venture plan evolving from an original concept through a process that incorporates all the elements of a professionally written business proposal. Fall, Spring.</td>
<td>3(0)</td>
<td></td>
</tr>
<tr>
<td>GEB 4111</td>
<td>BA-MAN New Venture Finance: PR: MAN 4802 or GEB 4152. Provides hands-on processes for developing financial information necessary such as budgets and pro forma financial statements to start up a new venture. Odd Fall, Even Spring.</td>
<td>3(0)</td>
<td></td>
</tr>
<tr>
<td>GEB 4152</td>
<td>BA-MAN 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.</td>
<td>3(0)</td>
<td></td>
</tr>
<tr>
<td>GEB 4361</td>
<td>BA-FIN 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.</td>
<td>3(0)</td>
<td></td>
</tr>
<tr>
<td>GEB 4363</td>
<td>BA-FIN Export and Import Management: PR: Finance major, Junior standing and admission to CBA. Focuses on the management of export/import business and provides students with knowledge about international trade. Occasional.</td>
<td>3(0)</td>
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</tr>
<tr>
<td>GEB 4374</td>
<td>BA-FIN International Negotiations and Transactions: PR: Finance major, Junior standing and admission to CBA. Focuses on providing an understanding of the concepts and skills required for international negotiations and transactions. Occasional.</td>
<td>3(0)</td>
<td></td>
</tr>
<tr>
<td>GEB 4435</td>
<td>BA-MAN Moral Foundations of Business: PR: MAN 3025 or C.I. Ethical foundations of business and the relationship between markets and morality through a comprehensive analysis of capitalist and socialist ideals. Occasional.</td>
<td>3(0)</td>
<td></td>
</tr>
<tr>
<td>GEB 4824</td>
<td>BA-BUS Business Law in Sport &amp; Entertainment: PR: SPB 3003. Understanding of the legal issues involved in the operation and management of organizations in the sport and entertainment industries. Fall.</td>
<td>3(0)</td>
<td></td>
</tr>
<tr>
<td>GEB 5516</td>
<td>BA-FIN Technological Entrepreneurship: PR: Graduate standing. Focus of the course is on identification, evaluation and commercialization of new technologies. Emphasis will be placed on the legal, financial, and strategy aspects of technology transfer and development. Occasional.</td>
<td>3(0)</td>
<td></td>
</tr>
<tr>
<td>GEB 5891</td>
<td>BA-BUS Professional Business Practicum: PR: Acceptance in the graduate program. The practicum is to provide a professional business work experience for students entering the MBA program without such experience. Occasional.</td>
<td>1.5(1,5)</td>
<td></td>
</tr>
<tr>
<td>GEO 1200</td>
<td>ECS-CECE Physical Geography: Basic physical elements of geography, including climate, landforms, soils, natural vegetation, minerals, and their integrated patterns of world distribution. Fall, Spring.</td>
<td>3(0)</td>
<td></td>
</tr>
<tr>
<td>GEO 2370</td>
<td>ECS-CECE Resources Geography: Analysis of basic principles of geography associated with development, use, conservation, and management of natural resources, with special emphasis on the United States. Fall, Spring.</td>
<td>3(0)</td>
<td></td>
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<tr>
<td>GEO 3471</td>
<td>COS-POLS World Political Geography: Analysis of factors which affect power relations among nations, including area, location, political styles, ethnic divisions, and the politics of energy. Fall, Spring.</td>
<td>3(0)</td>
<td></td>
</tr>
<tr>
<td>GER 1120C</td>
<td>CAH-LANG Elementary German Language and Civilization I: Introduces the student to German culture through the major language skills: listening, speaking, reading, and writing. Open only to students with no experience in this language. Fall, Spring.</td>
<td>4(3,1)</td>
<td></td>
</tr>
<tr>
<td>GER 1120H</td>
<td>CAH-LANG Honors Elementary German Language and Civilization I: PR: Permission of Honors. Introduces the student to German culture through the major language skills: listening, speaking, reading, and writing. Open only to students with no experience in this language. Honors level content. Occasional.</td>
<td>4(4,1)</td>
<td></td>
</tr>
<tr>
<td>GER 1121C</td>
<td>CAH-LANG Elementary German Language and Civilization II: PR: GER 1120C or equivalent. Continuation of GER 1120C. Fall, Spring.</td>
<td>4(3,1)</td>
<td></td>
</tr>
<tr>
<td>GER 1121H</td>
<td>CAH-LANG Honors Elementary German Language and Civilization II: PR: GER 1120H or equivalent and permission of Honors. Continuation of GER 1120H, with honors-level content. Occasional.</td>
<td>4(4,1)</td>
<td></td>
</tr>
<tr>
<td>GER 2200</td>
<td>CAH-LANG Intermediate German Language and Civilization I: PR: GER 1121C or equivalent. Development of language skills and cultural knowledge at the intermediate level. Fall, Spring.</td>
<td>3(3,1)</td>
<td>Intermediate German language and culture taught in the native environment. Occasional.</td>
</tr>
<tr>
<td>GER 2201</td>
<td>CAH-LANG Intermediate German Language and Civilization II: PR: GER 2200 or equivalent. Continuation of GER 2200 with emphasis on German civilization. Spring.</td>
<td>3(3,1)</td>
<td>Intermediate German language and culture taught in the native environment. Occasional.</td>
</tr>
<tr>
<td>GER 2210</td>
<td>CAH-LANG Intermediate German Conversation: PR: GER 2201 or equivalent. Development of skills in conversation and comprehension through practice. Occasional.</td>
<td>3(3,0)</td>
<td>Intermediate German language and culture taught in the native environment. Occasional.</td>
</tr>
<tr>
<td>GER 2240</td>
<td>CAH-LANG German Conversation: PR: GER 2201 or equivalent. Development of skills in conversation and comprehension through practice. Occasional.</td>
<td>3(3,0)</td>
<td>Intermediate German language and culture taught in the native environment. Occasional.</td>
</tr>
<tr>
<td>GER 2270</td>
<td>CAH-LANG Intermediate German Study Abroad: PR: GER 1121C or equivalent. Intermediate German language and culture taught in the native environment. Occasional.</td>
<td>6(6,0)</td>
<td>Intermediate German language and culture taught in the native environment. Occasional.</td>
</tr>
<tr>
<td>GER 2271</td>
<td>CAH-LANG Modern German Civilization Abroad I: PR: One year of College-Level German. Key elements of modern German society: its artistic, intellectual, scientific, and spiritual contributions to the world via guest lectures, readings, films, and other media. In German. Occasional.</td>
<td>2(2,0)</td>
<td>Modern German Civilization Abroad I: PR: One year of College-Level German. Key elements of modern German society: its artistic, intellectual, scientific, and spiritual contributions to the world via guest lectures, readings, films, and other media. In German. Occasional.</td>
</tr>
</tbody>
</table>
GER 3440 CAH-LANG 3(3,0)

GER 3441 CAH-LANG 3(3,0)
Business German II: PR: GER 3440. Continuation of Business German I. Occasional.

GER 3470 CAH-LANG 6(6,0)
Advanced German Study Abroad: PR: GER 2201. Advanced German grammar in the context of conversation and composition taught in the native environment. Occasional.

GER 3760 CAH-LANG 3(3,0)
Advanced German Oral Communication: PR: GER 2201 or equivalent. Vocabulary building with systematic training in diction and pronunciation, Speech and oral presentations as well as production and delivery of real-life dialogues. Even Fall.

GER 3780 CAH-LANG 3(3,0)
German Phonetics and Diction: PR: GER 2201. The fundamental principles of German pronunciation. Occasional.

GER 4422 CAH-LANG 3(3,0)
Advanced German Grammar: PR: GER 3760, or any other 3000 level German course. An accelerated grammar course designed for advanced students of the German language. Occasional.

GER 4510 CAH-LANG 3(0,0)
Life and Culture in Nazi Germany: PR: C.I. Confrontation with the development of national socialist ideas and their realization in everyday life and culture. Given in German. Occasional.

GER 4520 CAH-LANG 3(0,0)
Modern Germany: PR: Given in German. An introduction to the history of postwar Germany from the two Germanies to unification and today's Germany. Occasional.

GEW 3100 CAH-LANG 3(3,0)
Survey of German Literature I: PR: GER 2201 or equivalent. Main literary currents and works from the Middle Ages through 19th Century Romanticism. Occasional.

GEW 3101 CAH-LANG 3(3,0)
Survey of German Literature II: PR: GER 2201 or equivalent. Main literary currents and works from 19th Century Realism to the present. Occasional.

GEW 3370 CAH-LANG 3(3,0)
Short Story: PR: GER 2201 or equivalent. German short prose works of the 19th and 20th centuries. Occasional.

GEW 3480 CAH-LANG 3(0,0)
German Post-War Literature: PR: GER 2201. This course focuses on the works of German, Austrian and Swiss writers after World War II. Occasional.

GEW 4482 CAH-LANG 3(3,0)
German Children's Literature: PR: GER 2200. A look into the history of German children's literature with a concentration on works after World War II. Occasional.

GEW 4531 CAH-LANG 3(0,0)
The Age of Goethe and Schiller: PR: GER 2201. Selected texts of Goethe and Schiller are examined, with particular attention to their relationship to both German classicism and German romanticism. Occasional.

GEY 3001 HPA-SOWK 3(3,0)
Gerontology: An Interdisciplinary Overview: PR: Junior standing or C.I. Study of aging from an interdisciplinary perspective that bridges social and behavioral sciences, nursing, social work, allied health, and natural sciences. May be repeated for credit. Fall.

GEY 3326H COS-PSYCH 3(3,0)
Honors Images of Aging: PR: Advanced standing in the Honors College and consent of Honors. Interdisciplinary examination of issues in aging exploring how the various images of aging are reflected across the natural sciences, social sciences and humanities. With Honors consent. Occasional.

GEY 3007 CON-NURS 3(3,0)
Women and Healthy Aging: PR: Graduate standing or junior undergraduate. The examination of the health promotion opportunities and bio-psycho-social challenges of women as they age. Spring.

GEY 5600 ED-TLP 3(3,0)
Physiology of Aging: PR: BSC 2101C or PCB 3703C or PET 4351C or equivalent. The purpose of this course is to develop the student's understanding of the effects of human aging on various body systems. Occasional.

GEY 5648 HPA-SOWK 3(3,0)
Gerontology: An Interdisciplinary Approach: PR: Graduate status or senior standing or C.I. The study of aging will be presented from a multidisciplinary and interdisciplinary approach spanning the social sciences and health. Occasional.

GIS 3043C UGST-INTERDISC 3(2,2)
GIS for Environmental Studies: PR: CGS 1060C and BSC 2101C, or C.I. Geographic Information Systems (GIS) technology for environmental analysis. GIS theory and training with ArcGIS, including environmental applications and facility siting studies. Odd Fall.

GIS 4033C ECE-CECE 3(2,2)
Remote Sensing of the Environment: PR: GEO 1201C or C.I. Interpretation and application of remote sensor imagery to physical, economic, and urban analysis. Occasional.

GIS 4301C UGST-INTERDISC 4(2,2)
Advanced GIS Applications in Environmental Studies: PR: GIS 3043C. GIS analysis techniques used in environmental science, including raster overlay site suitability modeling, least-cost optimization, 3D digital elevation models, network routing and geostatistical analysis. Occasional.

GLY 1030 COS-CHEM 3(0,0)
Geology and its Applications: PR: Permission of Honors. Introduction to the fundamental principles of geology. Occasional.

GRA 2101C CAH-ART 3(2,4)
Introduction to Computer Art: PR: ART 2823 or C.I. Priority given to students whose major requires this course. The principles underlying the generation and display of graphical pictures by computer. Topics include graphical software packages and graphics systems. Fall, Spring. M&S fee: $15.00.

GRA 2101H CAH-ART 3(2,4)
Honors Introduction to Computer Art: PR: ART 2823 and Consent of Honors. The principles underlying the generation and display of graphical pictures by computer. Topics include graphical software packages and graphics systems. With Honors consent. Occasional. M&S fee: $15.00.

GRA 2111C CAH-ART 3(2,4)
Graphic Design I: PR: ART 2201C. Basic principles, concepts, and techniques in graphic design and art for visual publication. Occasional. M&S fee: $15.00.

GRA 2140C CAH-ART 3(2,4)

GRA 2151C CAH-ART 3(2,4)

GRA 2190C CAH-ART 3(2,4)

GRA 3102C CAH-ART 3(2,4)
Intermediate Graphic Design I: PR: Acceptance in Graphic Design Concentration and ART 2201C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. Methods related to studio projects in graphic design. Fall. M&S fee: $15.00.

GRA 3112C CAH-ART 3(2,4)

GRA 3202C CAH-ART 3(2,4)
Type & Design: PR: ART 2201C, ART 2300C, ART 2301C. A survey of type, calligraphy and letter forms and their appropriate use as subject matter for graphic design and publication. Odd Fall, Spring. M&S fee: $15.00.

GRA 3803C CAH-ART 3(2,4)

GRA 4154C CAH-ART 3(2,4)
Advanced Illustration: PR: ART 2201C, ART 2300C, ART 2301C, GRA 2151C, and a satisfactory portfolio review or C.I. The use of computer graphic systems for electronic publication. Fall.

GRA 4196C CAH-ART 3(2,4)
Advanced Graphic Design: PR: Acceptance in Graphic Design Specialization, ART 2201C, ART 2300C, ART 2301C, PGY 2401C, GRA 3102C, GRA 3112C, GRA 3803C, GRA 2151C or ART 3332C, and a satisfactory portfolio review, or C.I. Practical studio problems, with emphasis on organization of visual design elements. Fall. M&S fee: $43.50.

GRA 4197C CAH-ART 3(2,4)

GRA 4802C CAH-ART 3(2,4)

GRE 1120H CAH-LANG 4(0,0)
Elementary Greek Language and Civilization I: PR: Permission of Honors. Introduces students to Classical Greek literature and civilization through the study of grammar and syntax and extensive readings of Greek texts. Occasional.

GRE 1121H CAH-LANG 4(1,1)
Elementary Greek Language and Civilization II: PR: GRE 1120H and permission of Honors. Continuation of Elementary Greek I. Occasional.

GRE 2220H CAH-LANG 4(0,0)
Introduction to Greek Literature: PR: GRE 2220H and permission of Honors. Readings in selected original Greek texts, e.g., Plato's apology. May be repeated for credit. Occasional.
HAI 1120 CAH-LANG 4(4,0)
Elementary Haitian Language and Culture I: Introduces Haitian culture through the major language skills; listening, speaking, reading and writing. Occasional.

HAI 1121 CAH-LANG 4(4,0)

HBR 1120 CAH-JUD 4(4,0)
Elementary Modern Hebrew Language and Culture I: Designed to initiate the student to the major language skills; listening, speaking, reading and writing, as well as to constitute an introduction to Israeli culture. Fall.

HBR 1121 CAH-JUD 4(4,0)
Elementary Modern Hebrew Language and Culture II: PR: HBR 1120 or equivalent. Continuation of HBR 1120. Spring.

HBR 2200 CAH-JUD 3(3,0)
Intermediate Modern Hebrew I: PR: HBR 1121 or equivalent. Designed to continue the study of Modern Hebrew. Increase proficiency in conversation, reading and writing, and further expose students to Israeli culture. Occasional.

HBR 2201 CAH-JUD 3(3,0)

HBR 3250 CAH-JUD 3(3,0)

HBR 3410 CAH-JUD 3(3,0)
Conversational Israeli Hebrew: PR: HBR 1120, HBR 1121 or equivalent. CI. Study and practice of contemporary conversational Israeli Hebrew. Occasional.

HFT 1000 RCHM-HSP SERV 3(3,0)
Introduction to the Hospitality and Tourism Industry: An orientation to the hotel, restaurant, and travel industry, and its history, structure, and operating procedures. Fall, Spring.

HFT 1356 RCHM-TEA 3(3,0)

HFT 2220 RCHM-HSP SERV 3(3,0)
Hospitality Human Resources Management: Application of general principles of human resources to the hospitality tourism setting. Fall, Spring.

HFT 2254 RCHM-HOS 3(3,0)
 Lodging Operations: PR: HFT 1000. Basic principles of operating a lodging facility including accounting, housekeeping, engineering, front desk, and guest services. Fall, Spring.

HFT 2359 RCHM-TEA 3(3,0)
Design & Maintenance of Golf Equipment: Knowledge and application of golf club design principles and club repair procedures. Occasional.

HFT 2401 RCHM-HSP SERV 3(3,0)

HFT 2500 RCHM-HSP SERV 3(3,0)
Hospitality and Tourism Marketing: PR: HFT 1000. The application of marketing concepts to the Hospitality and Tourism Industry. Special emphasis on marketing planning and strategic marketing. Fall, Spring.

HFT 2750 RCHM-TEA 3(3,0)
The Event Industry: Overview of meetings, conventions, special events and exhibitions including the roles of organizations and people involved in the businesses that comprise this industry. Fall, Spring.

HFT 3263 RCHM-HOS 3(3,0)
Restaurant Management: PR: HFT 1000, FSS 2221C, and junior standing or CI. Discussion of the topics integral for the successful management of restaurant and food service organizations. Fall, Spring.

HFT 3273 RCHM-HOS 3(3,0)
Principles of Resort Timesharing: PR: HFT 1000 and junior standing or C.I. Principles of resort timeshare operations and ownership. Fall, Spring.

HFT 3285 RCHM-HOS 3(3,0)

HFT 3323 RCHM-HSP SERV 3(3,0)
Hospitality Physical Plant Management: PR: Junior standing and key operational relationships 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: PR: HFT 2359. Customer relations concepts, an effective golf instruction program, and characteristics of effective merchandising & inventory procedures. Occasional.

HFT 3354 RCHM-TEA 3(3,0)
Agronomy for Golf Course Management: PR: HFT 3353. Primary roles and responsibilities of the golf course superintendent. Occasional.

HFT 3355 RCHM-TEA 3(3,0)

HFT 3357 RCHM-TEA 3(3,0)

HFT 3373 RCHM-TEA 3(3,0)
Event Design, Production & Technology: PR: HFT 3542, HFT 2500 and junior standing or C.I. Aspects of visual process of a large exhibition. Occasional.

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 technology is used in the event industry to increase effectiveness and productivity. Fall, Spring.

HFT 3375 RCHM-TEA 3(3,0)
Event Sales: PR: HFT 2500 and HFT 3519, or C.I. The length look at the sales processes events, including the development of requests for proposals, negotiation skills and sales strategies. Fall, Spring.

HFT 3350 RCHM-HSP SERV 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.

HFT 3523 RCHM-TEA 3(3,0)
Event Sales: PR: HFT 2500 and HFT 3519, or C.I. The development of requests for proposals, negotiation and sales strategies. Fall, Spring.

HFT 3540 RCHM-HSP SERV 3(3,0)
Guest Services Management I: PR: Junior standing or C.I. The study of making decisions from the guest’s point of view in the hospitality industry. Fall, Spring.

HFT 3574 RCHM-HOS 3(3,0)
Restaurant and Service Management: PR: HFT 1000 and C.I. The management of the guest service functions in the hospitality and tourism industry. Fall.

HFT 3603 RCHM-HSP SERV 3(3,0)

HFT 3610 RCHM-HOS 3(3,0)

HFT 3654 RCHM-HOS 3(3,0)
Franchising in the Restaurant Industry: PR: Restaurant Management Core or C.I. Addresses the legal requirements for franchising, contract rates, responsibilities, size, structure, and history. Fall.

HFT 3670 RCHM-TEA 3(3,0)

HFT 3700 RCHM-TEA 3(3,0)
Tourism Management: PR: HFT 1000 and junior standing or C.I. Analysis of the tourism phenomenon in contemporary societies. An exploration of major concepts about tourism as an inter-linked industry composed of many sectors within both the private and public sectors. Fall, Spring.

HFT 3741 RCHM-HOS 3(3,0)
Meeting Management: PR: HFT 4753 and HFT 4754. The process of meeting planning, from setting objectives to analyzing the success of the event. Fall, Spring.

HFT 3770 RCHM-TEA 3(3,0)
Cruise Line Operations and Management: PR: HFT 1000 and junior standing or C.I. Understanding of cruise company operations and management. Shipboard organization and delivery of the cruise product to the guest. Occasional.

HFT 3785 RCHM-TEA 3(3,0)
Management of Gaming Enterprises: PR: Junior level standing, an in-depth study of gaming-based organizations including cruise ships, Indian reservation casinos, and others. The history and development of gaming organizations, the economics, social, and cultural impact of gaming and managerial challenges and opportunities in the industry. Occasional.
UCF Courses and Descriptions

HFT 3792 RCHM-TEA 3(3,0)
Event Design and Production: PR: HFT 1000, 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-HOS 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-HSP SERV 3(3,0)
Topics in Restaurant and Foodservice Management: PR: HFT 2636 and FSS 2221C. Guest lecture series covering contemporary issues in the various segments of the foodservice industry. Odd Spring.

HFT 3868 RCHM-HOS 3(3,0)
History and Culture of Wine: PR: World History course or C.I. The role of 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)

HFT 3949 RCHM-RCHM 0-5(0-1,5)
Cooperative Education: Provides paid, pre-professional work experience related to the students' major while they continue to attend school. Requires achievement of major-related learning objectives. Graded S/U. Fall, Spring.

HFT 4206C RCHM-HOS 3(3,1)
Hospitality Operations: PR: Junior Standing or C.I. An integration of lodging and food service operations providing students with a comprehensive knowledge of these related content areas; food service lab component. Occasional.

HFT 4253 RCHM-HOS 3(3,0)
Hotel Operations: PR: HFT 1000, HFT 2220; FSS 2221C; HFT 2254; HFT 2500; HFT 2750, HFT 2401; HFT 3444; HFT 3540. Provides student with first-hand knowledge of the day-to-day operations of a hotel property. Recognizes conflicts between theory and practice in a real life hotel. Spring.

HFT 4255 RCHM-HOS 3(3,0)
Advanced Hotel Development: PR: HFT 4464, HFT 4473, or C.I. Hotel investment practices, risk management and other investment decision factors. Occasional.

HFT 4266 RCHM-HOS 3(3,0)
Restaurant Brand Management: PR: HFT 2636 and junior standing or C.I. Exploration of the principles of brand management for the corporate restaurant industry. Occasional.

HFT 4268 RCHM-HOS 3(3,0)
Case Studies in Restaurant Management: PR: HFT 2636 and junior standing or C.I. Application of case study methodology to advanced topics in restaurant and food service management. Fall, Spring.

HFT 4269 RCHM-HOS 3(3,0)
Case Studies in Multi-Unit Restaurant Management: PR: HFT 3263. Application of case study methodology to advanced topics in chain or multi-unit restaurant and foodservice operations. Occasional.

HFT 4274 RCHM-HOS 3(3,0)
Vacation Ownership Resort Management: PR: HFT 3273, HFT 3652 or C.I. Comprehensive analysis of applied theories, principles, and techniques used in the management of vacation resorts. Occasional.

HFT 4275 RCHM-HOS 3(3,0)

HFT 4277 RCHM-TEA 3(3,0)
Yacht, Country, And City Club Management: PR: HFT 1000 and 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 Management: PR: Hospitality Management Core and Restaurant Management Core or C.I. An analysis of the leadership styles of restaurant industry founders and executives. Fall, Spring.

HFT 4284 RCHM-HOS 3(3,0)

HFT 4286 RCHM-HSP SERV 3(3,0)
Hospitality Communications: PR: HFT 1000; HFT 2220; HFT 2401; HFT 3444; HFT 3540. Communication exchanges in the hospitality industry for effective presentations, conflict resolution, and report writing. Emphasis on inter departmental dependence by managers in hospitality enterprises in the areas of reading, writing, speaking, and listening. Fall, Spring.

HFT 4295 RCHM-HOS 3(3,0)
Leadership and Strategic Management in 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 4298 RCHM-HSP 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. Course examination of decision making in various hospitality organizations and concepts and theories applicable to the Hospitality Industry. Fall, Spring.

HFT 4343 RCHM-HOS 3(3,0)
Hospitality Facilities Planning and Design: PR: HFT 1000, HFT 2254 and junior standing; or C.I. Principles of facility planning, layout and design for dining, kitchen, guest room, lobby, and service areas. Odd Fall.

HFT 4358 RCHM-TEA 3(3,0)

HFT 4375 RCHM-TEA 3(3,0)
Advanced Trade Show Management: PR: HFT 4754 or C.I. Trade show installation, floor management and dismantling/shipping. Pre-event logistics and on-site management of critical success factors. Occasional.

HFT 4413 RCHM-HSP SERV 3(3,0)
Technology Applications for Hospitality Management: PR: HFT 3444 Hospitality Information Systems. Provides students with fundamental information system concepts and techniques, and exposure to applied technology in hospitality organizations. Odd Spring.

HFT 4425 RCHM-HSP SERV 3(3,0)
Financial Analysis for Restaurant Managers: PR: HFT 2401, HFT 3431, and HFT 2633. Topics of unit level economics, budgeting, valuation of restaurant enterprises, ownership models, franchising finance, and securing access to capital through debt and equity markets. Occasional.

HFT 4432 RCHM-HSP SERV 3(3,0)

HFT 4442 RCHM-HOS 3(3,0)
Vacation Ownership Reservations and Database Systems: PR: HFT 1000, HFT 3373, HFT 4522, HFT 4724 or C.I. Tactics and strategies necessary for owner exchange, information transmittal, and financial reporting. Occasional.

HFT 4457 RCHM-HSP SERV 3(3,0)
Food, Beverage, and Labor Cost Controls: PR: HFT 3431 Hospitality Industry 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 3451 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)
Hospitality Industry Managerial Accounting: PR: HFT 3451 Hospitality Industry Managerial Accounting. Provides students with basic fundamentals of food, beverage, and labor cost control systems in the hospitality industry. Fall, Spring.

HFT 4476 RCHM-HOS 3(3,0)
Travel Agency Management: 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 4561 RCHM-HOS 3(3,0)

HFT 4614 RCHM-TEA 3(3,0)
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 4645 RCHM-HOS 3(3,0)
Restaurant Real Estate, Site Selection, and Modeling: PR: Hospitality and Restaurant Management Core or C.I. Explains the management systems for finding, evaluating, securing, and developing dynamic real estate locations. Occasional.

HFT 4722 RCHM-TEA 3(3,0)

HFT 4732 RCHM-TEA 3(3,0)

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 4749 RCHM-RCHM 0-5(0,1-5)
Cooperative Education: Provides paid, pre-professional work experience related to the students' major while pursuing their undergraduate major. Prerequisite:被录取的高中生。Graded S/U.

HFT 4844 RCHM-HOS 3(3,0)
Sanitation in the Food Service Industry: PR: HFT 1000 and junior standing or C.I.; Principles and mechanics of coding systems for outpatient health information retrieval; ICD-9-CM; DRGs; encoders. Fall, Spring.

HFT 4861C RCHM-HOS 3(3,1)
BeVERAGE management: PR: Minimum age of 21 by the first day of class and junior standing. The origin production, storage, marketing, and control of beverages in the hospitality industry. Spring. M&S fee: $45.00.

HFT 4864 RCHM-HOS 3(3,0)

HFT 4865 RCHM-HOS 3(3.0)
Advanced Wine Management: PR: HFT 4864 or C.I.; Advanced study of viticulture, enology and wine regions of the world. Occasional. M&S fee: $45.00.

HFT 4866C RCHM-HOS 3(3,1)
Exploring Wines of the World: PR: HFT 1000; HFT 2363; and Age of 21; or C.I. Using senses to evaluate wines, methodology of tasting and evaluating wines, grooming, processing, and production of grape varieties used in making wine. Odd Fall, Even Spring. M&S fee: $45.00.

HFT 4894 RCHM-HOS 3(3,0)
International Gastronomy: PR: FSS 2221C, HFT 3700, and C.I. A world view of culture and cuisine that includes international travel component. May be used in the degree program a maximum of 2 times. Spring.

HFT 4949 RCHM-RCHM 0-5(0,1-5)
Cooperative Education: Provides paid, pre-professional work experience related to the students' major while they continue to attend school. Requires achievement of major-related learning objectives. Graded S/U. Fall, Spring.

HIM 3006 HPA-HMI 3(3,0)
Foundations of Health Information Management (HIM): PR: Acceptance into upper division limited access HIM program or C.I. Foundation of profession; release of information; record analysis; numbering and filing systems; standards for long-term care; ambulatory care; and mental health records. Fall, Spring.

HIM 3116C HPA-HMI 3(3,2)
Health Record Organization and Management: PR: HIM 3006. Nomenclatures/classification systems; health and vital statistics; data analysis and presentation; indexing; compilation of data; records control; and computerized information retrieval; and medical and clinical record systems. Fall, Spring.

HIM 3117C HPA-HMI 3(3,2)
Health Record Organization and Management: PR: HIM 3006. Nomenclatures/classification systems; health and vital statistics; data analysis and presentation; indexing; compilation of data; records control; and computerized information retrieval; and medical and clinical record systems. Fall, Spring.

HIM 3806C HPA-HMI 3(1,4)
Professional Practice Experience I: PR: Admission to HIM program. CR: HIM 3006, HSC 3537 and HIM 3116C. Virtual hospital tour; master patient index; history and physical; health information; storing, marketing, and control of beverages in the hospitality industry. Spring.

HIM 4226C HPA-HMI 3(3,4)
Coding Procedures I: PR: HSC 3537 or C.I. Principles and mechanics of coding systems for inpatient health information retrieval; ICD-9-CM; DRGs; encoders. Fall, Spring.

HIM 4256C HPA-HMI 3(2,2)
Coding Procedures II: PR: HSC 3537 or C.I. Principles and mechanics of coding systems for outpatient health information retrieval; CPT/HCPCS; APCs; encoders. Fall.

HIM 4344C HPA-HMI 4(3,2)
Health Information Department Management: PR: HIM 3116C; HSA 4180 or MAN 3025, or C.I. Personal administration; budgeting; forms analysis; work distribution and simplification; equipment selection; ergonomics and space planning. Fall.

HIM 4508C HPA-HMI 3(2,2)
Quality Management: PR: HSC 3537 or C.I. Principles and mechanics of quality improvement; utilization review; case management and risk management. Fall, Spring.
A survey of the economics, social, and political aspects of U.S. Health Care Systems: HSA 3111 HPA-HP 3(3,0) Historical, present day, and future organization and management of health care agencies. The American public health system, looking at the management, historical publication, media, historical societies, and government agencies. Occasional.

HLP 2701 ED-ERTL 3(3,0) Peer Education Training: PR: Sophomore standing and C.I. Strategies for teaching life skills and health education information for secondary students and college age peers. Fall, Spring.

HLP 4722 ED-ERTL 1(1,0) Elementary School Health and Physical Education: PR: EDP 2005; CR: ARE 4313, MUE 3210, RED 4519, MAE 3236, and EDE 3942. Organization, practice, and conduct of health (including drug abuse) and physical education programs in the elementary school. Fall, Spring.

HSA 3012 HPA-HP 3(3,0) Issues & Trends in Public Health: PR: STA 2023 or C.I. The American public health system, looking at the historical, present day, and future organization and management of all its components. Fall, Spring.

HSA 3111 HSA-HP 3(3,0) U.S. Care Systems: PR: Major or minor in College of Health or C.I. A survey of the economics, social, and political aspects of the health care system in the United States. Fall, Spring.

HSA 311H HPA-HP 3(3,0) U.S. Health Care Systems Honors: PR: Major or minor in College of Health or C.I. Permission of Honors. A survey of the economics, social, and political aspects of the health care system in the United States. With Honors content. Occasional.

HSA 3170 HPA-HP 3(3,0) Health Care Finance: PR: HSA 3111 or C.I.; ACG 2021 and ACG 2071. Budgeting and resource allocation related to health care agencies. Fall, Spring.

HSA 3222 HPA-HP 3(3,0) Long Term Care and Administration: PR: HSA 3111 or C.I. Organization and functioning of long-term care administration. Concurrent 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 2203; or C.I. To provide an application of economic principles to analyze how different economic incentives affect patients, providers, and policy makers behaviors in the delivery of health services. Fall, Spring.

HSA 4109 HPA-HP 3(3,0) Principles of Managed Care: PR: HSA 3111 or C.I. Course will introduce the contractual, financial, and practice pattern components of Managed care. Even Fall, Spring.

HSA 4150H HPA-HP 3(3,0) Honors Health Care Policy: PR: Permission of Honors and Junior Standing or C.I. Examination of five significant policy issues to enable the student to gain knowledge and understanding of the complexities of health care as a societal issue. Occasional.

HSA 4180 HPA-HP 3(3,0) Organization & Management for Health Agencies I: PR: HSA 3111 or C.I. General description and analysis of the management and organization of a variety of healthcare organizations including hospitals, long term care facilities and medical group practices. Fall.

HSA 4184 HPA-HP 3(3,0) Organization & Management for Health Agencies II: PR: HSA 3111 and HSA 4180 or C.I. In-depth analysis of the management and organization of healthcare organizations including hospitals, long term care facilities, and medical group practices. Fall.

HSA 4191 HPA-HP 3(3,0) Health Care Automation: PR: HSA 3111; CGS 2100C, or C.I. Analysis and design of 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 loss control issues with emphasis on risk retention, risk reduction and risk transfer in health care. Fall, Spring.

HSA 4701 HPA-COM SCADIS 6(6,0) Introduction to Research in the Health Professions: PR: Senior or post-bacc. standing. The logic of research and the architecture of basic and applied investigations that are internally and externally reliable and valuable will be stressed.

HSA 4702 HSA-HP 3(3,0) Health Sciences Research Methods: PR: HSA 3111; STA 2041c or STA 2023; or C.I. Introduction to research design in the Health Sciences, including design, literature review, testing, analysis, and conclusions. Occasional.

HSA 4939 HSA-HP 3(3,0) Health Services and Administration Capstone: PR: HSA 3111, HSA 3222, HSA 3430, HSC 4180, HSA 4184, HSA 4191, HMP 4508C, HSC 4500, HSC 4652. Capstone course applies health administration theory to a health care 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 HSA-HP 3(3,0) Health Care Decision Sciences and Knowledge Management: PR: Graduate standing. Emphasis on development of a general systematic approach to solving problems under uncertainty. The role of informatics and application of information technology in improving and streamlining decision making process will be presented. Occasional.

HSA 5257 HPA-HP 3(3,0) ICD Coding for Health Services Administrators: PR: HSC 6636, B.S. in Health related field, or C.I. Emphasis on developing basic skills to facilitate an understanding of the coding process and the compliance issues relevant to the process. May be repeated for credit. Occasional.

HSA 5258 HPA-HP 3(3,0) CPT Coding for Health Services Administrators: PR: HSC 6636 or C.I. or BS in health-related field. Emphasis on developing skills to facilitate an understanding of the coding process and the compliance issues relevant to the process. Occasional.

HSC 1931C HSA-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: A survey of allied health professions with regard to duties, responsibilities, education and training, ethics, and relationships with other health professionals. Graded S/U. Fall.
UCF Courses and Descriptions

IDH 1920H  BHC-HON  (2,1)  

IDH 1921H  BHC-HON  (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  (2,1)  
Honors Loundoun 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.

IDS 3900H  CAH-PHL  (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 content. Fall.

IDS 4030H  BHC-HON  (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 and sciences as they prepare for prestigious scholarships and graduate school. Graded S/U. May be repeated for credit. Occasional.

IDS 1040C  COS-COMM  (2,1)  
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, EGB 1091C, HSC 1931C, EGM 1093C, EDG 1005, or EDF 1930C. Experiential leadership in an appropriate setting with the LEAD Scholars Program. Occasional.

IDS 3150  UGST-INTERDISC  (3,0)  
Foundations of Environmental Studies: PR: Junior standing, completion of an equivalent of UCF Science and Math GEP. An overview of the approaches taken by different disciplines to address regional, national, and global environmental issues. Spring.

IDS 3180  HPA-PUB  (3,0)  
Civic Engagement: PR: Junior standing and either PAD 3003 or POS 2041 or C.I. Formal and informal civic engagement in the United States across levels of government, sectors of society, and modes of interaction. Even Fall, Even Spring.

IDS 3333  UGST-INTERDISC  (3,0)  
World Comparative Studies: PR: ENC 1102 or C.I. Comparative study of cultures, economies, languages, and social systems using approaches and data from multiple disciplines. Occasional.

IDS 3334  CAH-HIST  (3,0)  
Topics in Latino Studies: PR: ENC 1102. Multidisciplinary course exploring various topics pertaining to Latinos in the U.S. Occasional.

IDS 3933  UGST-INTERDISC  (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  (3,0)  
Solving Environmental Problems: PR: IDS 3150, ECP 4303, GIS 4034C, GIS 4035C and PUP 2025, or C.I. Capstone course in Environmental Studies focusing on how environmental dilemmas are addressed. Occasional.

IDS 4204C  ECS-ECS  (3,2)  
Advanced Topics on Energy and Sustainability: PR: Acceptance to 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. Graded S/U. Students are required to work on individual or team assignments, research projects, and present their work in the format of seminar papers. Occasional.

IDS 4315  COS-POLS  (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  (3,0)  
Latino Artistic Expressions: PR: IDS 3334 or C.I. Latino culture as represented by the Arts in the United States. Odd Spring.

IDS 4935  COS-SOC  (3,0)  
Multidisciplinary Research Methods: PR: McNair Scholar and Junior Standing. Research methods of various disciplines designed for McNair Program Scholars. Graded S/U. Odd Spring, even Fall.

IDS 5127  COM-M&M  (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  COS-POLS  (3,2)  
Introduction to Modeling and Simulation: PR: STA 2023 or equivalent. Introduction to the theory and practice of modeling and simulation with emphasis on the underlying mathematical foundations. Fall.

IDS 5717C  COS-PHYS  (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 the underlying mathematical foundations. Fall.

IDS 5719  COS-PHYS  (3,0)  
Quantitative Aspects of Modeling and Simulation: PR: MAC 2421 or equivalent. Introduction to matrix algebra and other discrete mathematics topics for modeling and simulation applications. Spring.

IDS 5915  CAH-PHL  (3,0)  

IDS 5936  CAH-PHL  (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 3004  COS-PHYS  (3,0)  
Industrial/Organizational Psychology: PR: PSY 2012 or C.I. Psychological theories and principles applicable to problems in industrial organizations. Fall.

INP 3004H  COS-PHYS  (3,0)  

INP 3141C  COS-PHYS  (1-3,0)  
Advanced Applied Psychology: PR: PSY 2012 and C.I. Course will explore application of psychological knowledge to clinical, experimental, industrial, or educational settings. Supervised laboratory experience is required. Graded S/U. May be repeated for credit. Fall, Spring.

INP 3951  COS-PHYS  (3,0)  
Industrial/Organizational Field Work: PR: C.I. An opportunity for advanced undergraduate psychology majors to become involved in the application of I/O psychology to local organizations. Occasional.

INP 4252  COS-PHYS  (3,0)  
Advanced Industrial Psychology: PR: INP 3004 and PSY 3213C. Application of psychological principles to industrial problems. Topics include selection, training, performance appraisal, job design, and work environment. Occasional.

INP 4313  COS-PHYS  (3,0)  
Organizational Psychology: PR: INP 3004. Analysis of the psychological 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-PHYS  (3,0)  
Psychology of Teamwork: PR: PSY 2012 or C.I. Dynamics of small teams and groups from social and applied psychology perspectives. Occasional.

INP 5825  COS-PHYS  (3,0)  
Human-computer Interface (HCI) design: A team approach: PR: Graduate status or senior standing or C.I. Interdisciplinary approach to human-computer interaction design, including behavioral engineering, computer science, and instructional aspects. Tools and techniques for team development and the evaluation of software for usability. Occasional.

INR 2002  COS-POLS  (3,0)  
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  (3,0)  
Global Political Issues: PR: POS 2041 or C.I. Current global political topics from political development and international relations and challenges, and possible solutions. Occasional.

INR 3250  COS-POLS  (3,0)  

INR 3253  COS-POLS  (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.-Africa relations. Occasional.

INR 4011  COS-POLS  (3,0)  
Politics of Globalization: PR: INR 2002 or POS 2041 or C.I. Major political causes and consequences of globalization. Occasional.

INR 4030  COS-POLS  (3,0)  

INR 4030H  COS-POLS  (3,0)  

INR 4035  COS-POLS  (3,0)  
International Political Economy: The international politics of regional and global economic interdependence, with emphasis upon North-South relations, the New International Economic Order, OPEC, and multinational corporations. Odd Spring.

INR 4054  COS-POLS  (3,0)  
Global Politics of Energy: PR: POS 2041 or INR 2002 or C.I. International dimensions of global energy policies within developed and underdeveloped countries. Occasional.

INR 4060  COS-POLS  (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.
UCF Courses and Descriptions

ISM 3530 BA-MIS 3(3,0) Quality & Productivity Management: PR: GEB 2033, ISM 3011C. Open to MIS Majors and Minors. Students whose major requires it. Principles and theories of quality and operations management in manufacturing and service organizations. Fall, Spring.

ISM 4090 BA-MIS 3(3,0) Seminar in Management Information Systems: PR: ISM 3011C. Open to MIS Majors and Minors and students whose major requires it. New developments in management information systems in a business environment. Occasional.

ISM 4113 BA-MIS 3(3,0) Information Systems Analysis and Design: PR: ISM 5253, ISM 4212C. Open to MIS Majors and Minors and students whose major requires it. Structured approaches to the development of computer-based information systems in business. Fall, Spring.

ISM 4114 BA-MIS 3(3,0) Advanced Business Application Development: PR: ISM 3253, ISM 4212C. Open to MIS Majors and Students whose major requires it. Theory and practice in developing client server applications for business and use of modern development tools. Includes principles of object-oriented application design and implementation. Occasional.

ISM 4120 BA-MIS 3(3,0) Information Systems Implementation: PR: ISM 4113. Open to MIS Majors and Students whose major requires it. Management of information systems development in business. Fall, Spring.

ISM 4153C BA-MIS 3(2,1) Enterprise Information Systems: PR: ISM 3011C. Open to MIS majors and minors and other appropriate majors. Implementing and managing enterprise information systems in organizations. Fall, Spring.

ISM 4154 BA-MIS 3(3,0) Enterprise Application Development: PR: ISM 3011C, Open to MIS Majors and Minors and other appropriate majors. Design and development of enterprise applications with special emphasis on web-based development platforms. Occasional.

ISM 4212C BA-MIS 4(0,2) Database Design and Implementation: PR: ISM 3253, Open to MIS Majors and Minors and other appropriate majors. Design and implementation of relational database in organizations. Fall, Spring.

ISM 4220 BA-MIS 3(3,0) Distributed Information Systems: PR: ISM 3253, ISM 3011C. Open to MIS Majors and Minors and students whose major requires it. Computer networking and communications. Managerial and technical dimensions of client server and other modes of distributed and decentralized computing in business. Fall, Spring.

ISM 4228 BA-MIS 3(3,0) Advanced Distributed Information Systems: PR: ISM 4220. Open to MIS Majors and Minors and other appropriate majors. Provides students with in-depth, hands-on experience with networking hardware and software. Teamwork is emphasized in mastering networking concepts. Occasional.

ISM 4238 BA-MIS 3(3,0) Business Programming/OOP: PR: ISM 3253, ISM 4212C, C.I. Open to MIS Majors and Minors and students whose major requires it. An introduction to object-oriented programming (OOP) and object-oriented design (OOD). Occasional.

ISM 4300 BA-MIS 3(3,0) Information Technology Management: PR: ISM 4212C. Open to MIS Majors and other appropriate majors. The strategy and theory of the design, development, adoption, and management of new information technologies. Fall, Spring.

ISM 4314 BA-MIS 3(3,0) Business Project Management: PR: ISM 3011C. Foundations of project management in commercial organizations. Covers all project phases from initiation to termination. Occasional.

ISM 4323 BA-MIS 3(3,0) Information Systems Security: PR: ISM 4220. Open to MIS Majors and Students whose major requires it. Primary issues related to information systems security in an organization's IT infrastructure. Occasional.

ISM 4400 BA-MIS 3(3,0) Decision Support: PR: ISM 3011C. Open to MIS Majors and Students whose major requires it. Computer-based support of managerial decisions and decision support systems in organizations. Fall, Spring.

ISM 4431 BA-MIS 3(3,0) Business Process Analysis: PR: ISM 4135C. Open to MIS majors and minors and other appropriate majors. Analysis of business processes surrounding Supply Chain Management. Focus on enterprise resource planning technology supports SCM by integrating the business process required for success. Fall, Spring.


ISM 4941 BA-MIS 3(0,3) Internship in MIS: PR: ISM 3253, ISM 4212C, and 3011C, consent of department chair. Provides student with supervised, management information system-related work experience in a sponsoring organization. See department for information. Fall, Spring.

ISM 5021 BA-MIS 3(3,0) Introduction to Management Information Systems: PR: Acceptance into the graduate program. Designed to provide the student with the fundamentals of business data processing and management information systems used by organizations in a modern society. Occasional.

ISM 5123 BA-MIS 3(3,0) Concepts of Systems Analysis and Design: PR: Graduate standing. Using a traditional life-cycle approach, the course introduces practical tools and techniques for organizational analysis and the subsequent design of an information system. Occasional.

ISM 5127 BA-MIS 3(3,0) Concepts of Database Design and Administration: PR: Graduate standing. Introduces concepts and methodology related to the effective utilization of data by organizations. Occasional.

ISM 5219 BA-MIS 3(3,0) Business Intelligence Systems: PR: Graduate standing. Modern paradigms in data analysis. The detection of useful patterns and relationships in databases. Occasional.

ISM 5256 BA-MIS 3(3,0) Concepts of Business Programming: PR: Senior or admission to graduate study. Principles of programming including program design, fundamental programming constructs, and database access. Occasional.

ISM 5315 BA-MIS 3(3,0) Information Systems Project Management: PR: Graduate standing. This course introduces students to the concept of project management including project scope, cost, time and quality. Occasional.

ISM 5507 BA-MIS 3(3,0) Electronic Agora: PR: Admission to graduate study. Broad exploration of Internet tools as vehicles for communication, interaction, decision-making, and community formation. Occasional.

ISS 4155 COS-COMM 3(3,0) Survey of Italian Literature I: PR: ITA 1120C or equivalent. Introduces the student to Italian culture through the major currents and writers in Italian literature from the 12th through the 15th centuries. Occasional.

ITAL 1121C CAH-LANG 4(3,1) Elementary Italian Language and Civilization I: PR: ITA 1121C or equivalent. Continuation of ITA 1120C. Fall, Spring.

ITAL 2200 CAH-LANG 3(3,0) Intermediate Italian Language and Civilization II: PR: ITA 1121C or equivalent. Designed to continue development of language skills at intermediate level, plus a review of grammar, study of idiomatic expressions, extensive readings, and further study of Italian culture. Fall.

ITAL 2201 CAH-LANG 3(3,0) Intermediate Italian Language and Civilization III: 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.

ITAL 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.

ITAL 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.

ITAL 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.

ITAL 3440 CAH-LANG 3(3,0) Italian for Business: PR: ITA 2200. Italian language for business purposes. Occasional.

ITAL 3472 CAH-LANG 3(3,0) Renaissance Art Abroad: PR: Junior standing. A study of Renaissance art from Giotto to Michelangelo. Occasional.

ITAL 3760 CAH-LANG 3(3,0) Advanced Italian Oral Communication: PR: ITA 2201 or equivalent. Vocabulary building with systematic drilling in diction and location. Speeches and oral presentations as well as production and delivery of real-life dialogues. Fall.

ITAL 4820 CAH-LANG 3(3,0) Italian Syntax Abroad: PR: ITA 3420. A study of Italian Syntax for advanced students of Italian. Occasional.


ITT 3448 CAH-LANG 3(3,0) Survey Abroad: Italian Literature in Translation: PR: C.I. Main literary tendencies and authors of Italian literature, taught in the native environment. Occasional.

ITT 4956 CAH-LANG 3(3,0) Study Abroad: Modern and Contemporary Italian Culture: PR: Junior standing and C.I. Modern and contemporary Italian culture in the natural environment. Occasional.

ITT 4957H CAH-LANG 3(3,0) Honors Italian Literature in Translation: PR: ENC 1102 and consent of Honors. Main literary tendencies and authors of Italian Literature, with honors content. Occasional.

ITW 4900 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) Introduzione all’Italiano (Introduction to Italian): PR: ITA 1120C or equivalent. Open only to students with no experience in this language. Fall, Spring. M&S fee: $15.00
JST 3701 CAH-JUD 3(3,0) History of the Holocaust: A comprehensive study of the Holocaust from 1933-1945, discussing the persecution of German Jews and the annihilation of the Jews in Europe. Occasional.

JST 3751 CAH-JUD 3(3,0) Literature of the Holocaust: A study of the traumatic experience of the Holocaust in Europe as expressed and depicted in contemporary Jewish and Hebrew Literature. Occasional.

JST 3803 CAH-JUD 3(3,0) The Israeli Experience in Short Stories: PR: ENC 1102. The Israeli experience in contemporary short stories. Themes include Judaism - Past & Present, War & Peace; Society; the Holocaust; the Kibbutz and Israeli reality. Occasional.

JST 3810 CAH-JUD 3(3,0) The Jewish National Movement and Roots of Zionism: Roots of Zionism and Jewish nationalism and their relationship to modern anti-Semitism, through analysis of European Jewish history and society. Occasional.

JST 3820 CAH-JUD 3(3,0) Modern Hebrew Culture: The Development of the State of Israel: Political and ideological struggle for the establishment of the State of Israel, with emphasis on forces which led to the establishment of contemporary Israeli society and politics. Occasional.

LAE 3414 ED-TLP 3(0,3) Literature for Children: PR: Admission to Undergraduate Elementary Education Program or C.I. Criteria for analysis and evaluation of children's literature in terms of interests, needs, and abilities of children. Fall, Spring.

LAE 4314 ED-TLP 3(0,3) Language Arts in the Elementary School: PR: EDG 4410 or C.I. Content, principles, materials, and techniques involved in teaching, speaking, listening, writing, and spelling in the elementary school; organizing for instruction. Fall, Spring.

LAE 4342 ED-TLP 3(0,3) Programs in Teaching Language and Composition: PR: EDG 4410, CR: LAE 4360 and LAE 3940. Special programs, strategies and materials for middle and secondary English Language Arts majors. Emphasis on individual needs of students. Fall.

LAE 4360 ED-TLP 3(0,3) English Instructional Analysis: PR: EDG 4410, EDF 4481, ESL 4808, and LAE 4464. CR: LAE 4342 and LAE 3940. Course objectives for a school curriculum and methods and materials which have special application for teaching English at the middle grades and high school. Fall, Spring.

LAE 4361 ED-TLP 3(0,3) Literacy Strategies for Middle and High School: PR: EDG 4232 or EVT 3945 or C.I. Theory, teaching strategies, and resources for effective middle and high school reading programs, to assist pre-service teachers to understand content reading. Fall, Odd Spring.

LAE 4464 ED-TLP 3(0,3) Survey of Adolescent Literature: PR: ENC 1101 and admission to the college. This course is designed to explore adolescent/young adult literature from an educational and historical perspective. Spring.

LAE 5195 ED-TLP 3(0,3) CFWP Teacher Consultant; PR: C.I. This course is designed for Fellows of the CFWP Summer Institute who will plan, practice, and present writing in-service components to public schools. Occasional.

LAE 5295 ED-TLP 1-3(1-3,0) Writing Workshop; PR: C.I. Students will engage in exploration and practice of effective writing strategies. (May be repeated up to 3 semester hours.) May be repeated for credit. Occasional.

LAE 5319 ED-TLP 3(0,3) Methods of Elementary School Language Arts: PR: EDG 4323. Principles, procedures, organization and current practices in reading, writing, listening, and talking. Fall.


LIN 4105 CAH-ENG 3(0,0) History of the English Language: PR: Sophomore standing, and C (2.0) or better required in ENC 1102 and junior standing or C. African-American norms contrasted to Anglo-American norms with attention given to speech acts, kinetics, proverbs, panegyrics, and gender roles. Occasional.

LIN 4643 CAH-ENG 3(0,0) 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(0,0) 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(0,0) 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(0,0) Modern English Grammar: PR: Sophomore standing, and C (2.0) or better required in ENC 1102. Emphasis upon the analysis and comparison of traditional, structural, and transformational grammar. Spring.

LIN 4711 HPA-COM SC&DIS 3(0,0) Language Analysis: PR: LIN 3716 and LIN 3717. CR: LIN 4711L. Introduction to procedures for sampling, analyzing, and describing language across the lifespan. Fall, Spring.

LIN 4711L HPA-COM SC&DIS 1(0,1) Language Analysis Lab: PR: LIN 3716 and LIN 3717. CR: LIN 4711L. Introduction to procedures for sampling, analyzing and describing language samples across the lifespan. Graded S/U. Fall, Spring.

LIN 4801 CAH-ENG 3(0,0) Language and Meaning: PR: Grade of C (2.0) or better required in ENC 1102 and sophomore standing. A linguistic study of the nature of language, meaning, and the ways in which man uses language in various social, cultural, institutional, and professional settings. Occasional.

LIN 5137 CAH-ENG 3(0,0) Linguistics: PR: Graduate status or senior standing or C.I. Modern linguistic theories and studies focusing on language acquisition and development, contemporary American English, semantics, and para-linguistics. Occasional.

LIN 5675 CAH-ENG 3(0,0) English Grammar and Usage: PR: Graduate status or senior standing or C.I. An overview of modern grammar, including structural, transformational and rhetorical grammar, along with an examination of controversial usage. Occasional.

LIT 2000 CAH-ENG 3(0,0) Introduction to Literary Interpretation: PR: ENC 1102. Interpretation of fiction, drama, verse: conflict, characterization, point of view, rhetorical and poetic devices, figurative language, verse forms; application of critical approaches to selected works. Occasional.

LIT 2110 CAH-ENG 3(0,0) 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(0,0) World Literature II: PR: ENC 1102. Readings from Moliere, Voltaire, Goethe, Pushkin, Balzac, Tolstoy, Ibsen, Mann, Kafka, Camus, and others. Fall, Spring.

LIT 2120H CAH-ENG 3(0,0) World Literature II - Honors: PR: Permission of Honors. Same as LIT 2120, with honors-level content. Occasional.

LIT 3082 CAH-ENG 3(0,0) 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 3192H CAH-ENG 3(0,0) Honors Caribbean Literature: PR: Permission of Honors. C.I. Modern linguistic theories and studies focusing upon the analysis and comparison of traditional, structural, and rhetorical grammars. Fall.

LIT 3192H CAH-ENG 3(0,0) Honors Caribbean Literature: PR: Permission of Honors. C.I. Modern linguistic theories and studies focusing upon the analysis and comparison of traditional, structural, and rhetorical grammars. Fall.

LIT 3202 CAH-ENG 3(0,0) 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(0,0) Science Fiction: PR: ENC 1102. An investigation of science fiction as a literary form, together with selected readings. Occasional.

LIT 3323 CAH-ENG 3(0,0) Literature of the Bible: PR: ENC 1102. Fiction, poetry, drama and non-fiction by selected women writers, such as Emily Dickinson, Jane Austen, George Elliot, Kate Chopin, Zora Neale Hurston, Toni Morrison, Adrienne Rich, Gwendolyn Brooks. Occasional.

LIT 3338H CAH-ENG 3(0,0) 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 Elliot, Kate Chopin, Zora Neale Hurston, Toni Morrison, Adrienne Rich, Gwendolyn Brooks. Honors content. Occasional.

LIT 3344 CAH-ENG 3(0,0) Literature of AIDS: PR: ENC 1102. To familiarize students with the new genre of literature that has arisen from the nature of colonial discourse, the strength of postcolonial readings, and the relationship of postcolonial theory to other theories. Occasional.

LIT 3900 CAH-ENG 3(0,0) Directed Experience in Literature: PR: ENC 1102. Individualized topics of study and/or research in literature with personalized faculty direction. May be repeated for credit. Occasional.

LIT 3911H CAH-ENG 3(1,0) Research Methods - Honors: PR: Permission of Honors. Introduction to scholarship and practical research in literature and writing. Occasional.

LIT 4043 CAH-ENG 3(0,0) Modern Drama As Literature: PR: Grade of C (2.0) or better required in ENG 3014. A study of important plays, playwrights, themes, movements, and styles in modern American, British, and European drama. Occasional.

LIT 4184 CAH-ENG 3(0,0) Irish Literature: PR: Grade of C (2.0) or better required in ENG 3014. Study of literature written in Ireland, within the context of Irish history, politics, culture and colonial experience. Occasional.

LIT 4233 CAH-ENG 3(0,0) Postcolonial Theory and Literature: PR: Grade of C (2.0) or better required in ENG 3014. Focus on the nature of colonial discourse, the strength of postcolonial readings, and the relationship of postcolonial theory to other theories. Occasional.

LIT 4244 CAH-ENG 3(0,0) World Authors: PR: ENG 3014. Study of the works of a single non-British and non-U.S. author who composes in English. May be used in the degree program a maximum of 2 times only when course content is different. Occasional.

LIT 4303 CAH-ENG 3(0,0) Post-WWII World Literature: PR: Grade of C (2.0) or better required in ENG 3014. A study of non-fiction that address and describe the history, philosophy, politics, and new ideas in science and technology. Fall.

LIT 4374 CAH-ENG 3(0,0) Literature of the Bible: PR: Grade of C (2.0) or better required in ENG 3014. Literary forms in the Bible — narrative, poetic, and dramatic — and their reflection in modern literature. Occasional.

LIT 4374H CAH-ENG 3(0,0) Honors Literature of the Bible: PR: Permission of Honors and ENC 1102H or equivalent credit. Literary forms in the Bible — narrative, poetic, and dramatic — and their reflection in modern literature. Honors content. Occasional.

LIT 4433 CAH-ENG 3(0,0) Literature of Science and Technology: PR: ENC 1102 and Junior Standing or C.I. Major works of non-fiction that address and describe the history, philosophy, politics, and new ideas in science and technology. Fall.

LIT 4554 CAH-ENG 3(0,0) Advanced Feminist Theories: PR: Grade of C (2.0) or better required in ENC 1102, WST 3015 or ENG 3014. An advanced exploration of feminist critical theories and practices. Occasional.

LIT 4937H CAH-ENG 3(0,0) English Honors Seminar: PR: ENG 3014 and permission of Honors. In-depth study of language and literature with an emphasis on creative and critical abilities. Occasional.

LIT 5028 CAH-ENG 3(0,0) Form and Theory of Short Story: PR: Graduate status or senior standing or C.I. Evolving forms and theories of short fiction and the implications of form and theory. Occasional.

LIT 5269 CAH-ENG 3(0,0) Nineteenth-Century Essays: PR: Graduate status or senior standing or C.I. English non-fiction prose of the 19th century. Occasional.

LIT 3823 CAH-ENG 3(0,0) Hispanic Women Writers: PR: ENC 1102. Hispanic women writers in a variety of genres. May be repeated for credit. Occasional.
UCF Courses and Descriptions

LIT 5309 CAH-ENG  3(3,0)
Popular Culture and Media: PR: Graduate status or senior standing or C.I. Study of contemporary media and the literature of popular culture. Occasional.

LIT 5366 CAH-ENG  3(3,0)
The Romantic Revolt (19th Century Literature): PR: Graduate status or senior standing or C.I. The romantic revolt in poetry and prose; English, American, and Continental literature from 1798 to 1852. Occasional.

LIT 5387 CAH-ENG  3(3,0)
Captives, Housewives, and Coquettes: PR: Graduate status or senior standing or C.I. Course considers early American women’s literature from 17th to 18th centuries. Occasional.

LIT 5389 CAH-ENG  3(3,0)
Studies in Gender and Fiction Writing: PR: Graduate status or senior standing or C.I. Graduate study of gender’s implications for teaching and practice of fiction writing. Occasional.

LIT 5556 CAH-ENG  3(3,0)
Advanced Feminist Theories: PR: Graduate status or senior standing or C.I. Graduate level Feminist Theories from “French Feminism” to “Critical Race Theories”. Occasional.

MAA 4226 COS-MATH  4(4,0)

MAA 4227 COS-MATH  4(4,0)
Advanced Calculus II: PR: MAA 4226 or C.I. Continuation of MAA 4226. Spring.

MAA 5210 COS-MATH  3(3,0)
Topics in Advanced Calculus: PR: MAS 3105, MAP 2302, or equivalent or C.I. Real numbers, epsilon-delta language, limits, continuity, integration, differentiation, Taylor's theorem, series, and convergence. Inverse and implicit function theorems. Fall.

MAA 5228 COS-MATH  3(3,0)
Analysis I: PR: MAS 3106 or C.I. Real numbers, limits, differentiation, Riemann integrals, Riemann-Stieltjes integrals, metric spaces and normed spaces, contraction mapping theorem, uniform convergence, and fundamental theorems of calculus. Fall.

MAC 1105 COS-MATH  3(3,0)
College Algebra: PR: Appropriate score on the UCF Math Placement Exam, or such other 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.

MAC 1106H COS-MATH  3(3,0)
Honors College Algebra: PR: Appropriate score on placement test and permission of Honors. Analysis of functions (including polynomial, rational, exponential, logarithmic, trigonometric), analysis of complex numbers, analysis of systems of linear equations, sequences and series, mathematical induction, and the binomial theorem. The "NC" grading policy applies to this course. Occasional.

MAC 1114H COS-MATH  3(3,0)
College Trigonometry: PR: Appropriate score on the UCF Math Placement Exam, or MAC 1105 with a C (2.0) or higher, or C.I. The circle arc length, circular functions, identities, inverse functions, applications to simple harmonic motion, addition of angles, complete development of triangle solving. The "NC" grading policy applies to this course. Fall, Spring.

MAC 1140H COS-MATH  3(3,0)
Honors Pre-Calculus Algebra: PR: Math placement test and permission of Honors. Polynomial, rational, exponential, logarithmic, and piecewise defined functions; matrices, conic sections, sequences and series, binomial theorem, mathematical induction, and applications with additional honors content. The "NC" grading policy applies to this course. Occasional.

MAC 2147 COS-MATH  5(5,0)
Mathematics for Calculus: PR: Solid background in algebra or trigonometry, or C.I. For students with good mathematical background who do not want to go directly into calculus. Topics include matrices, determinants, permutations, combinations, sequences, series, induction, trigonometric functions. The "NC" grading policy applies to this course. Even Fall, Spring.

MAC 2233 COS-MATH  3(3,0)
Concepts of Calculus: PR: Appropriate score on the UCF Math Placement Exam, or MAC 1140 with a C (2.0) or better, or C.I. The differential and integral calculus of rational, exponential and logarithmic functions, with applications to business analysis. Not open to students with credit in MAC 2253 or MAC 2311. The "NC" grading policy applies to this course. Occasional.

MAC 2241 COS-MATH  4(4,0)
Calculus for Life Sciences: PR: MAC 1105. Discrete dynamical systems, derivatives and dynamics; exponential and logarithmic functions; applications to business analysis. Not open to students with credit in MAC 2253 or MAC 2311. The "NC" grading policy applies to this course. Occasional.

MAC 2253 COS-MATH  3(3,0)
Applied Calculus I: PR: Appropriate score on the UCF Math Placement Exam, or MAC 1140 with a C (2.0) or better and MAC 1114 with a C (2.0) or better, or C.I. Differential and integral calculus, applications to differential equations and Laplace Transforms. Applications to engineering technology. Not open to students with credit in MAC 2233 or MAC 2251. The "NC" grading policy applies to this course. Fall, Spring.

MAC 2211 COS-MATH  4(4,0)
Calculus with Analytic Geometry I: PR: Appropriate score on the UCF Math Placement Exam, or MAC 1140 with a C (2.0) or better and MAC 1114 with a C (2.0) or better, or C.I. Polynomial, rational, exponential, logarithmic functions; derivatives and integrals; applications to simple growth; applications to business analysis. Not open to students with credit in MAC 2233 or MAC 2251. The "NC" grading policy applies to this course. Fall, Spring.

MAC 2211H COS-MATH  4(4,0)
Honors Calculus with Analytic Geometry I: PR: MAC 1100 or MAC 1105H, or equivalent and MAC 1114 or equivalent) 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. The "NC" grading policy applies to this course. Fall, Spring.

MAC 2212 COS-MATH  4(4,0)
Calculus with Analytic Geometry II: PR: Grade of "C" (2.0) or better in MAC 2211, or score of 5 on the Calculus BC Advanced Placement Exam, or C.I. Differentiation and integration of exponential, logarithmic, inverse trigonometric functions; techniques of integration; further applications of integration; parametric equations; polar coordinates; infinite sequences and series. Fall, Spring.

MAC 2212H COS-MATH  4(4,0)
Calculus with Analytic Geometry II (Honors): PR: 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 content. Fall, Spring.

MAC 2313 COS-MATH  4(4,0)
Calculus with Analytic Geometry III: PR: Grade of "C" (2.0) or better in MAC 2212, or score of 5 on the Calculus BC Advanced Placement Exam, or C.I. Geometry of higher dimensional Euclidean space; vectors and vector functions; partial derivatives; multiple integrals; line integrals; vector fields; Green’s Theorem and Stoke’s Theorem. Fall, Spring.

MAC 2313H COS-MATH  4(4,0)
Calculus with Analytic Geometry III (Honors): PR: Permission of Honors. Geometry of higher dimensional Euclidean space; vectors and vector functions; partial derivatives; multiple integrals; line integrals; vector fields; Green’s Theorem and Stoke’s Theorem. With Honors content. Spring.

MAC 3103H COS-MATH  3(3,0)
Systems Modeling and Simulation: PR: C.I. Basic mathematical logic, introductory knowledge of mathematics, and application to elementary discrete structure. Fall, Spring.

MAD 2403 COS-MATH  3(3,0)
Applied Combinatorics: PR: MAC 2312, and either MAC 2253 or C.I. Combinatorial principles, permutations and combinations, multisets, recurrences relations and generating functions; combinatorial designs; the Polya theory of counting. Fall.

MAD 3201 COS-MATH  3(3,0)
Graph Theory: PR: MAC 2313 and MHF 3302, or C.I. Graph theory, isomorphism, connectivity; traversability, matchings, factorizations; planarity, colorings, and Ramsey number. Spring.

MAD 5205 COS-MATH  3(3,0)
Combinatorics and Graph Theory II: PR: MAD 4203, graduate status or senior standing, or C.I. Polyas theory of counting; Latin squares and rectangles; block designs; coding theory; probabilistic methods; hypergraphs; applications. Odd Spring.

MAE 2801 ED-TLP  4(3,1)
Elementary School Mathematics: PR: MAC 1105 or MGF 1106. Mathematics appropriate for the elementary school including the six basic sets of numbers, concepts, learning sequences, algorithms, problem-solving techniques, error patterns, number systems, and geometry. Fall, Spring.

MAE 3400 ED-CFC  3(3,0)

MAE 4326 ED-TLP  3(3,0)
How Children Learn Mathematics: PR: MAE 2801 or C.I., and admission to Phase II. Instructional strategies, learning activities, the use of manipulatives, lesson planning, evaluation of mathematical learning, and diagnostic techniques. Fall. M&S fee: $10.00

MAE 4360 ED-TLP  4(3,2)
Mathematics Instructional Analysis: PR: EDG 4323. Study of course objectives for the middle grades and high school curriculum and survey of methods and materials which have special application for teaching mathematics. Fall.

MAE 4634 ED-TLP  3(2,1)

MAE 5327 ED-TLP  3(3,0)
Teaching Middle School Mathematics: PR: EDG 6226 or C.I. Students will develop skills in planning and delivering mathematics instruction in grades 5-9. The use of technology, cooperative learning, ESOL, and manipulatives is considered. Occasional.
MAE 5336 ED-TLP 3(3,0) Current Methods in Secondary School Mathematics: PR: EDG 4023 or EDG 6026 or C.I. Required special methods course for mathematics 6-12 certification. Assessment, curriculum, technology, practical classroom ideas and activities. Occasional.

MAE 5935 COS-MATH 3(3,0) Post-Secondary Mathematics: PR: Graduate status or C.I. The course will focus on issues which are faced by teachers of collegiate mathematics. Topics will be selected from teaching issues, program issues, and other issues. Even Fall.

MAN 2021 BA-MAN 3(3,0) Management: PR: Junior standing. For non-business majors, the interdisciplinary application of the management 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: Junior standing and approved major or minor. Management function of planning and control. For Honors, ECO 2013, ECO 2023 and AGC 2071. Introduction to the theory and practice of managing formal organizations, including planning, organizing, controlling, human behavior, and control. Applicable to honors students. Occasional.

MAN 3301 BA-MAN 3(3,0) Management of Human Resources: PR: Junior standing and approved major or minor. Fall, Spring.


MAN 3354 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 4029 BA-MAN 3(3,0) Service Organization Management: PR: Management major. MAN 3025 and ISM 3360. Study of the special characteristics, problems, and methods for managing service-oriented organizations. Occasional.

MAN 4101 BA-MAN 3(3,0) Human Relations in Management: PR: Management major. MAN 3025. The study of individual, interpersonal, group, and intergroup problems in business organizations through the use of cases and experimental exercises. Fall, Spring.

MAN 4240 BA-MAN 3(3,0) Organizations: Theory and Behavior: PR: Management major. MAN 3025. A course providing a micro 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 or MAC 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, Junior standing. 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, ISM 3530. In depth study on long-range, intermediate-range and short-range planning and control methods as applied to a manufacturing organization. Occasional.

MAN 4600 BA-MAN 3(3,0) International Management: PR: Approved major or minor, MAN 3025. The course examines issues involved in multinational management of business firms, with special emphasis on comparative management. Fall, Spring.

MAN 4701 BA-MAN 3(3,0) Business Ethics and Society: PR: Management major or minor, MAN 3025. This course applies the ethics dimension to business decisions in today’s complex political, social, economic and technological environment. Fall, Spring.

MAN 4720 BA-MAN 4(4,0) Strategic Management: PR: MAN 3025, MAN 3023, FIN 3023 and GEB 3011. Students assume a strategic view of organizations and integrate and apply material learned in their business courses to modern organizational problems and opportunities. Fall, Spring.


MAN 4802 BA-MAN 3(3,0) Entrepreneurship: PR: GE 2032 or (MAN 3025 and MAR 3023). Study of entrepreneurship with an emphasis on innovation, feasibility, planning, product and service concepts, and organizing financing and developing a new venture. Fall, Spring.

MAN 4804 BA-MAN 3(3,0) Small Business Consulting: PR: 3.0 GPA and Business major in graduation term or C.I. Students are assigned teams and work with a local small business. Occasional.

MAN 5021 BA-MAN 1.5(1,5) Management Foundations: PR: Graduate standing or C.I. Theory and practice of managing organizations to include planning, organizational theory, human behavior, and control. Fall, Spring.


MAN 5867 BA-MAN 3(3,0) Small Business Consulting: PR: C.I. Hands-on small business consulting course. Students are assigned teams and work with a local small business. Occasional.


MAP 3401 ECS-ENT 3(3,0) Problem Analysis: PR: MAC 2311 or MAC 2233 or equivalent. Application of calculus techniques used in solving selected problems in Engineering Technology. Fall, Spring.

MAP 3923 COS-MATH 1(1,0) Fundamentals in Mathematical Research: Colloquia and Public Talks: PR: MAP 2302 or C.I. Current research in mathematics and related fields, as presented by leading national and international researchers. May not be used to satisfy requirements for mathematics major or minor. Graded S/U. May be used in the degree program a maximum of 3 times. Fall, Spring.

MAP 3937 COS-MATH 1(1,0) Techniques of Problem Solving: PR: MAC 2311 or MAC 2312 or C.I. A course in techniques for solving problems in a wide variety of mathematical fields, with emphasis on proper mathematical technique and writing of solutions. May be repeated for credit. Fall.


MAP 4113 COS-MATH 3(3,0) Probability, Random Processes and Applications I: PR: MAC 2313. Elementary probabilistic concepts and the theory of random variables and processes in economics, biology, communication, electrical, mechanical engineering, and physics. Fall, Spring.

MAP 4153 COS-MATH 3(3,0) Vector and Tensor Analysis: PR: MAC 2313 or C.I. Vector calculus. The theorems of Green, Gauss and Stokes. Introduction to tensors. Application in engineering and physical sciences. Fall.

MAP 4171 COS-MATH 3(3,0) Optimization for Actuarial Science: PR: MAC 2312 and STA 2302. Linear and dynamic programming, queueing theory of queues and stochastic simulation. Occasional.


MAP 4364 COS-MATH 3(3,0) Applied Boundary Value Problems II: PR: MAP 4363 or C.I. Legendre polynomials and Bessel functions. The theory of Sturm-Liouville. Separation of variables. Applications involving the wave equation, heat equation and eigenfunction of Laplace. Spring.


MAP 5106 COS-MATH 3(3,0) Introduction to Quantitative Aspects of Modelling and Simulation: PR: MAC 2313, graduate status or senior standing, or C.I. An introduction to calculus, matrix algebra, probability and statistics, and high level programming languages. A student is expected to have taken calculus and linear algebra. This content does not have to take this course. Occasional.

MAP 5177 COS-MATH 3(3,0) Mathematical Modeling: PR: STA 4321, MAP 4933, graduate status or senior standing, or C.I. Introduction to modeling in industrial and scientific applications; techniques for studying statistical and deterministic models. Fall, Spring.


MAP 5396 COS-MATH 3(3,0) Splines and Data Approximation: PR: MAS 3105, MAS 3105, MAP 2302, and graduate status or senior standing or C.I. Univariate splines and their application to data fitting. Applications to regression analysis, differential and integral equations. Algorithms to use different types of splines in computation. Occasional.

MAP 5404 COS-MATH 3(3,0) Mathematical Foundations for Industrial Engineering and Operations: PR: MAP 2302, ESI 5219 or equivalent, ESI 4312, and graduate status or senior standing or C.I. Methods of proof, set theory; basic elements of topology, real analysis, graph theory, and matrix analysis. Occasional.

MAP 5426 COS-MATH 3(3,0) Special Functions: PR: MAP 2302, and graduate status or senior standing or C.I. Series and integral representations, generating functions, recurrence rela- tions and orthogonality properties of the special functions. Empirical and theoretical methods. Occasional.

MAP 5455 COS-MATH 3(3,0) Advanced Mathematics for Engineers: PR: MAP 2302, and graduate status or senior standing or C.I. Linear Algebra and matrix methods, ordinary differential equations, Fourier series, partial differential equations, numerical methods for differential equations, and applications to engineering. Occasional.

MAP 5514 COS-MATH 3(3,0) Linear and Nonlinear Waves I: PR: MAP 2302, MAP 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.

MAP 5931 COS-MATH 1(1,0) Research Seminar: PR: Graduate status or senior standing or C.I. Four instructors will introduce the students to a research area by presenting necessary background and presenting current investigations. Different branches of mathematics will be selected for a sense of diversity. Occasional.

MAR 3023 BA-MAR 4(4,0) Marketing: PR: Admission to UCF, Study of functions, institutions, and basic problems in marketing of goods and services in our domestic economy and abroad. Fall, Spring.

MAR 3023H BA-MAR 4(4,0) Marketing - Honors: PR: Permission of Honors Collegium program director. Topics include customer orientation, segmentation, positioning, strategic marketing management, implementation, and control. Fall.

MAR 3323 BA-MAR 3(3,0) Integrated Marketing Communication: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Planning and execution of advertising, sales promotion, and public relations programs consistent with integrated market- ing communications programs. Fall, Spring.

MAR 3391 BA-MAR 3(3,0) Professional Selling: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Written and verbal com- munication skills applied to marketing settings. A significant portion of the course is devoted to the study of professional selling. Fall, Spring.

MAR 3391H BA-MAR 3(3,0) Honors Professional Selling: PR: MAR 3023 and consent of Honors, or C.I. Applied written and verbal com- munication 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. An overview of the sales management process. Emphasis on sales pro- gram formulation and implementation. Fall, Spring.

MAR 3503 BA-MAR 3(3,0) Customer Behavior: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. End user and business customer buying behavior, building 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 3032 with a grade of C (2.0) or better or ECO 3411 with a grade of C (2.0) or better. Analytical tools and their application to marketing problems and decision making. Backcasting, financial analysis, and acquisition of primary data through market research are emphasized. Fall, Spring.

MAR 3641 BA-MAR 3(3,0) Marketing Intelligence: 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) E-Marketing: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Course provides an in-depth study of the role of the internet in developing marketing strategies and plans. Occasional.

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. Investigates strategy, 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(3,2) Strategic Issues in Services-Lecture: PR: MAR 3023. MAR 4413C, 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(3,2) Advanced Professional Selling: 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 4711 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) Management Internship: 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.

MARS 4803 COS-MATH 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 MARS 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.

MARS 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 MARS 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.

MARS 4841 BA-MAR 3(3,0) 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, with particular emphasis on unique aspects of services marketing, the service marketing mix, and the implementation of services strategies. Fall, Spring.

MARS 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 marketing topics relevant to major business sectors in the state of Florida, e.g., high technology, health care, sustainable marketing, housing, real estate, tourism, hospitality, sports, gaming, etc. Topics may vary from term to term. May be repeated for credit only when course content is different. Occasional.

MARS 4941 BA-MAR 3(3,0) Marketing Internship: PR: Marketing major, applica- tion approval, consent of department chair. Provides stu- dent with supervised, market-related work experience in a sponsoring organization. Application required. Fall, Spring.

MAS 3105 COS-MATH 4(4,0) Matrix and Linear Algebra: PR: MAC 2312 or C.I. Matrices, determinants, vector spaces in Rₙ, linear independence, basis, solutions of systems, range of linear transformations, eigenvectors, Jordan Form, matrix func- tions, quadratic forms. Fall, Spring.

MAS 3106 COS-MATH 4(4,0) Linear Algebra: PR: MHF 3302, MAS 3105, or C.I. Abstract vector spaces, linear transformations, isomor- phisms, projections, inner products, the spectral theorem, Jordan Canonical Form. (Only offered spring semester). Spring.

MAS 3203 COS-MATH 3(3,0) Introduction to Number Theory: PR: MHF 3302 or C.I. The course will include the following topics: inductive reasoning, factorization, the division algorithm and congru- ences. Spring.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Department</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCB 3020H</td>
<td>General Microbiology Honors</td>
<td>3(5)</td>
<td>General Microbiology Honors: PR: BSC 2010C, CHM 2046 or CR: CHM 2210, and consent of Honors. Same as MCB 3020C with enrichment and further development of college level skills in a separate laboratory and discussion section. With Honors content.</td>
</tr>
<tr>
<td>MCB 3202</td>
<td>Principles of Infectious Disease</td>
<td>3(0)</td>
<td>Principles of Infectious Disease: PR: MCB 3020C. 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.</td>
</tr>
<tr>
<td>MCB 3203</td>
<td>Pathogenic Microbiology</td>
<td>3(0)</td>
<td>Pathogenic Microbiology: PR: MCB 3020C or C.I. Microorganisms producing disease in man and other animals; means of transmission; protection against disease. Spring.</td>
</tr>
<tr>
<td>MCB 3203L</td>
<td>Pathogenic Microbiology Lab</td>
<td>1(0,3)</td>
<td>C.I. Laboratory in pathogenic microorganisms, with emphasis on isolation and identification of pathogenic microorganisms. Spring. M&amp;S fee: $45.00</td>
</tr>
<tr>
<td>MCB 3204</td>
<td>Bacterial Genetics and Physiology</td>
<td>3(0)</td>
<td>Bacterial Genetics and Physiology: PR: PCB 3522. Basic principles of microbial genetic analysis and emphasis on microbial genetic approaches are used to understand fundamental, physiological processes in bacteria. Spring.</td>
</tr>
<tr>
<td>MCB 3420</td>
<td>Molecular Microbiology</td>
<td>3(3)</td>
<td>Molecular Microbiology: C.I. Examination of the molecular details of host-pathogen interactions. Key areas of cell biology will be considered in relation to microbial pathogenesis. Spring.</td>
</tr>
<tr>
<td>MCB 4141</td>
<td>Microbial Genomics</td>
<td>3(3)</td>
<td>Microbial Genomics: PR: MCB 3020C, PCB 4202. Examination of the molecular details of host-pathogen interactions. Key areas of cell biology will be considered in relation to microbial pathogenesis. Spring.</td>
</tr>
<tr>
<td>MCB 4276</td>
<td>Principles of Genetic Engineering</td>
<td>3(3)</td>
<td>Principles of Genetic Engineering: 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.</td>
</tr>
<tr>
<td>MCB 4412</td>
<td>Molecular Biotechnology</td>
<td>3(3)</td>
<td>Molecular Biotechnology: PR: MCB 3020C. Principles, techniques, and applications of Molecular Biotechnology in genetically modified food, cloning, gene therapy, and forensics; transgenic animals; pathogens and regulations. Fall.</td>
</tr>
<tr>
<td>MCB 4603</td>
<td>Environmental Microbiology</td>
<td>3(3)</td>
<td>Environmental Microbiology: PR: MCB 3020C. Interrelationships between the biological activities of microorganisms and their terrestrial and aquatic environments. Fall.</td>
</tr>
<tr>
<td>MCB 4720</td>
<td>Industrial Perspectives Seminar</td>
<td>3(0,3)</td>
<td>Industrial Perspectives Seminar: PR: Biotechnology major and CR: MCB 3020C. Concepts and techniques of basic research and drug development. Speakers from the biotechnology/pharmaceutical industry will show applications. Fall.</td>
</tr>
<tr>
<td>MCB 5208</td>
<td>Cellular Microbiology</td>
<td>3(0)</td>
<td>Cellular Microbiology: Host-Pathogen Interactions: PR: Graduate standing, PCB 3522. Examination of the molecular details of host-pathogen interactions. Key areas of cell biology will be considered in relation to microbial pathogenesis. Spring.</td>
</tr>
<tr>
<td>MCB 5505</td>
<td>Molecular Virology</td>
<td>3(0)</td>
<td>Molecular Virology: PR: Graduate standing or C.I. An in-depth study of the molecular biological mechanisms of diseases in experimental animal models and human populations. Occasional.</td>
</tr>
<tr>
<td>MCB 5527</td>
<td>Genetic Engineering and Biotechnology</td>
<td>3(3)</td>
<td>Genetic Engineering and Biotechnology: PR: MCB 3020C 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 in-depth. Fall.</td>
</tr>
<tr>
<td>MCB 5932</td>
<td>Variable Topics in Molecular Biology</td>
<td>3(0)</td>
<td>Variable Topics in Molecular Biology: PR: Graduate standing or C.I. An in-depth study of the molecular biological mechanisms of diseases in experimental animal models and human populations. Occasional.</td>
</tr>
<tr>
<td>MET 2104</td>
<td>The Earth’s Climate</td>
<td>3(0)</td>
<td>The Earth’s Climate: History, physics and dynamics of the Earth’s climate. Odd Spring.</td>
</tr>
<tr>
<td>MGF 1107</td>
<td>Finite Mathematics</td>
<td>3(0)</td>
<td>Finite Mathematics: PR: Intermediate algebra or 2 years of high school algebra or C.I. Introduction to logical structure, sets, probability, geometry, arrays, games. This course is intended for students who are not planning to take further courses in mathematics. Fall.</td>
</tr>
<tr>
<td>MGF 1108</td>
<td>Explorations in Mathematics</td>
<td>3(0)</td>
<td>Explorations in Mathematics: PR: Intermediate algebra or 2 years of high school algebra or C.I. Introduction to logical structure, sets, probability, geometry, arrays, games. This course is intended for students who are not planning to take further courses in mathematics. Fall.</td>
</tr>
<tr>
<td>MGF 4404</td>
<td>History of Mathematics</td>
<td>3(0)</td>
<td>History of Mathematics: PR: MAC 2312 or C.I. A chronological study of the evolution of mathematical thought from primitive counting through modern ideas of the 20th century. Recommended for prospective teachers in mathematics. Fall.</td>
</tr>
<tr>
<td>MHS 2330</td>
<td>Career Planning</td>
<td>3(0)</td>
<td>Career Planning: Introduction to career and life planning theories and concepts that assists students in applying these to their own lives. Odd Fall, Even Spring.</td>
</tr>
</tbody>
</table>
UCF Courses and Descriptions

MHS 2441 ED-CFCS 3(3,0)
Marriage and Intimate Relationships: Examination of the dynamics of intimate relationships, dating, courtship and challenges of establishing stable and satisfying marriage, impact of divorce, premarital preparation and marital education. Occasional.

MHS 5005 ED-CFCS 3(3,0)
Introduction to the Counseling Profession: PR: Graduation of Phase II of Education Professional Preparation or C.I. Overview of the philosophy, organization, administration, and roles of counselors in various work settings. Fall, Spring.

MLS 3220C COM-M&M 3(3,0)
Techniques in Clinical Microscopy: PR: CHM 2210, PCB 3705C or C.I. Analysis of body fluids and urine by chemical and microscopic methods with interpretation and correlation to human disease. Fall. M&S fee: $25.00

MLS 3305 COM-M&M 3(3,0)
Hematology: PR: CHM 2210 and PCB 3703C. Overview of the hematopoietic system and disease states associated with blood and bone marrow. Spring.

MLS 3305L COM-M&M 1(0,6)
Hematology Lab: PR: MLS 3305. Practical laboratory procedures routinely performed for analyzing hematologic tests. M&S fee: $15.00

MLS 3705 COM-M&M 3(3,0)
Concepts in Education/Management: PR: Admission to the MLS program. C.I. Introduction to laboratory management, health delivery systems, and educational practices in clinical settings. Spring.

MLS 4334 COM-M&M 3(3,0)
Hemostasis: PR: CHM 2210 and PCB 3703C. Overview of hemostatic and fibrinolytic conditions at the time of procedures and the relationship of lab tests to diagnosis. Occasional.

MLS 4420C COM-M&M 1(1,2)
Clinical Mycology: PR: Admission to the professional phase of the MLS program with C.I. Instruction and laboratory practice in the isolation and identification of fungi associated with mycotic infections of man. Occasional. M&S fee: $15.00

MLS 4430C COM-M&M 2(1,3)
Clinical Parasitology: PR: MCB 3020C, PCB 2703C or C.I. Instruction and laboratory practice in the examination and study of clinical material for the detection and identification of animal parasites. Even Fall. M&S fee: $15.00

MLS 4460C COM-M&M 5(3,6)
Clinical Pathogenic Microbiology: PR: C.I. Analysis of clinical pathogenic bacteria, fungi and viruses and their correlation to disease. Spring. M&S fee: $45.00

MLS 4505C COM-M&M 3(0,0)

MLS 4550 COM-M&M 4(2,6)
Clinical Immunohematology: PR: Admission to the professional phase of the MLS program. C.I. Instruction and laboratory practice in specific disease states including deviations in carbohydrate, amino acid metabolism, renal function, gastric function, electrolytes, and blood gases. Fall.

MLS 4625 COM-M&M 3(3,0)
Advanced Clinical Chemistry I: PR: CHM 2220, PCB 3705C or C.I. Correlation of lab to specific disease states including deviations in carbohydrate, amino acid metabolism, renal function, gastric function, electrolytes, and blood gases. Fall.

MLS 4625L COM-M&M 1(0,3)
Advanced Clinical Chem I Lab: CR: MLS 4625. Laboratory procedures routinely performed in a clinical chemistry laboratory. Fall. M&S fee: $45.00

MLS 4630 COM-M&M 3(3,0)
Advanced Clinical Chemistry II: PR: CHM 2220, PCB 3703C or C.I. Correlation of laboratory tests to specific human disease states. Spring.
MUC 2104C CAH-MUSIC 2(1,0)
Composition II: PR: MUC 1101C and Music or composition major. Continuation of Composition I. Competence determined by faculty jury. May be repeated for credit. Fall, Spring.

MUC 3105C CAH-MUSIC 3(1,1)
Composition III: PR: MUC 2104C and competence determined by faculty jury. Continued study of composition, with additional intensive work expected for composition majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MUC 3311 CAH-MUSIC 3(2,2)
MIDI Sequencing: I: PR: Keyboard ability and reading music or C.I. Utilization of synthesizers, drum machines, and computers with MIDI sequencing software to create music. Fall, Spring. M&S fee: $15.83

MUC 4106C CAH-MUSIC 4(1,1)
Composition IV: PR: MUC 3105C and competence determined by faculty jury. Intensive advanced study of composition for composition majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MUC 4950 CAH-MUSIC 0(0,0)
Composition Recital: CR: MUC 4106C. Culling public concert of works written while studying Composition I-IV. Graded S/U. Odd Fall.

MUC 5112 CAH-MUSIC 2(1,0)
Composition: V: PR: Graduate standing in music education or C.I. Advanced music composition at the graduate level. May be used in the degree program a maximum of 4 times. Occasional.

MUC 5445 CAH-MUSIC 3(3,0)
Electroacoustic Music Composition: PR: MUC 2360C and MUC 1101C, or C.I. Creation of electroacoustic music, including synthesis, sample editing, and performance practices. Occasional.

MUE 2040 CAH-MUSIC 2(2,0)

MUE 2211 ED-CFCS 3(3,0)

MUE 2346 CAH-MUSIC 1(0,2)
Vocal Techniques: PR: Music major or C.I. Vocal function, anatomy, and pedagogical methodology with applications for K-12 teaching. Odd Spring.

MUE 2440 CAH-MUSIC 1(0,2)
String Techniques: PR: MUC major, junior standing, or C.I. Class instruction in string playing and pedagogical techniques. Spring. M&S fee: $30.00

MUE 2450 CAH-MUSIC 1(1,0)
Woodwind Techniques I: PR: MUC major, junior standing or C.I. Class instruction in woodwind playing and pedagogical techniques. Fall.

MUE 2460 CAH-MUSIC 1(0,2)
Brass Techniques: PR: MUC major, junior standing or C.I. Class instruction in brass playing and pedagogical techniques. May be repeated for credit. Fall.

MUE 2470 CAH-MUSIC 1(0,2)
Percussion Techniques: PR: MUC major, junior standing or C.I. Class instruction in percussion playing and pedagogical techniques. May be repeated for credit. Spring. M&S fee: $35.00

MUE 2471 CAH-MUSIC 1(1,1)
Percussion Techniques II: PR: MUC 2450 or C.I. Additional performing and teaching techniques of the percussion family, as relevant to today's instrumental music teachers. Odd Spring. M&S fee: $35.00

MUE 3210 ED-TLP 1(1,0)
Music in the Elementary School: PR: EDF 2005; CR: MUC 4103, HLP 4722, RED 4039, MUE 4326, and EDE 3942. Fundamental procedures for teaching elementary school music, stressing appropriate music materials and activities for different age groups; selected experience in music. Fall, Spring.

MUE 3333 CAH-MUSIC 3(3,0)

MUE 3353 CAH-MUSIC 2(2,0)

MUE 3451 CAH-MUSIC 1(1,0)
Woodwind Techniques II: PR: MUE 2450, MUED 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, repertoire, 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 3693 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)

MUE 4311 CAH-MUSIC 2(2,0)

MUE 4330 ED-TLP 2(2,0)

MUE 4353 CAH-MUSIC 3(3,0)
Secondary Instrumental Methods II: PR: MUE 4331. Continued examination of vocal and choral literature, planning skills and rehearsal techniques for choral groups. Odd Spring.

MUE 4353 CAH-MUSIC 3(3,0)
Secondary Instrumental Methods II: PR: MUE 4331. Continued examination of vocal and choral literature, planning skills and rehearsal techniques for choral groups. Odd Spring.

MUE 4373 CAH-MUSIC 3(3,0)

MUE 4350 ED-TLP 2(3-2,0)

MUE 4354 ED-TLP 3(3,0)

MUE 4393 CAH-MUSIC 2(2,0)
Music and Students with Special Needs: PR: MUE 2040 or C.I. Consideration of the general education music curriculum in regards to students with disabilities and special needs. Odd Fall.

MUE 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 ED-TLP 2(1,1)
Basic Conducting: PR: MUT 1122 or C.I. Fundamental techniques and practice in conducting. Fall.


**MUN 5713** CAH-MUSIC 1(0,4)
**Jazz Lab:** PR: C.J. 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 5714** CAH-MUSIC 1(0,4)
**Jazz Ensemble:** PR: C.J. Open to all students by audition. Study and performance of music for jazz small group music. May be used in the degree program a maximum of 4 times. Fall, Spring. M&S fee: $20.00

**MUN 5716L** CAH-MUSIC 1(0,2)
**Jazz Chamber Group:** PR: Audition, graduate standing, or senior standing. Study and performance of music for 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)
**Cahillian Orchestra:** 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, Spring.

**MUO 3503** CAH-MUSIC 1(0,3)
**Opera Workshop:** PR: MUN 2501C, or C.J. Study, preparation, and performance of opera literature. May be used in the degree program a maximum of 8 times. Occasional. M&S fee: $45.00

**MUO 5505L** CAH-MUSIC 1(0,3)
**Graduate Opera Workshop:** PR: C.J. 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: $45.00

**MUS 1010** CAH-MUSIC 1(0,2)
**Music Forum:** A series of special musical events required of music majors. Includes lectures and recitals by faculty, students, and guest artists. Graded S/U. May be repeated for credit. Fall, Spring.

**MUS 1250** CAH-MUSIC 1(2,0)
**IPA for Singers:** PR: M.C. An introduction to the International Phonetic Alphabet and its application to English, French, German, and Italian music written for voice. Fall, Spring.

**MUS 1952C** CAH-MUSIC 3(0,2)
**Study Abroad: Irish Music:** PR: C.J. The history, genres, forms, instrumentation, and performance of Irish music taught in the native environment. Graded S/U. Occasional.

**MUS 2360C** CAH-MUSIC 3(2,2)
**Introduction to Music Technology:** PR: Music or Digital Media major or C.J. Utilization of computers and keyboards to acquire skills in MIDI sequencing, notation, CDs, and the Internet. Fall, Spring. M&S fee: $15-$31.

**MUS 3254** CAH-MUSIC 2(2,0)
**Italian and French Lyric Diction:** PR: MUS 2250. 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 2250. Study and applications of the correct sung pronunciation of the German and English languages. Odd Spring.

**MUS 3905** CAH-MUSIC 1(0,1)
**Recital Performance:** PR: Junior Level. Study and performance of classical music. 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.J. Today's music industry copyright, publishing, contracts and licensing. Odd Spring.

**MUS 4330** CAH-MUSIC 2(1,1)
**Recording Techniques for Classical Music:** PR: MUN 2010 or C.J. Concert hall recording techniques for classical music. Occasional.

**MUS 4674** CAH-MUSIC 3(3,0)
**Music Business and Industry:** PR: MUN 2010 or C.J. Concert hall recording techniques for classical music. Occasional.

**MUS 4900** CAH-MUSIC 3(3,0)
**Music City Capstone Project:** PR: C.J. Self-designed project, completed under faculty supervision, that demonstrates ability to think critically and work independently while applying knowledge and skills from music and other subjects. Graded S/U. Occasional.

**MUS 5495** CAH-MUSIC 0(1,0)
**Recital Performance II:** PR: Senior level applied music and C.J. 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 5565** 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 5677** 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 1002** CAH-MUSIC 3(3,0)

**MUT 1004** CAH-MUSIC 3(3,0)
**Fundamentals of Music I:** PR: MUT 1004. Introduction to music theory and reading music at the keyboard. Fall.

**MUT 1121** CAH-MUSIC 4(2,3)
**Music Theory and Musicianship I:** PR: MUT 1104 or C.I. Studies in music theory, both written and aural skills, including musical analysis, model composition, sight singing, ear training, and improvisation. Odd Spring.

**MUT 1122** CAH-MUSIC 4(2,3)
**Music Theory and Musicianship II:** PR: MUT 1104 or C.J. Continuation of MUT 1121. Studies in music theory, both written and aural skills, including musical analysis, model composition, sight singing, ear training, and improvisation. Odd Spring.

**MUT 2126** CAH-MUSIC 4(2,3)
**Music Technology and Musicianship III:** PR: MUT 1104 or C.J. Continuation of MUT 1122. Studies in music theory, both written and aural skills, including musical analysis, model composition, sight singing, ear training, and improvisation. Odd Spring.

**MUT 2127** CAH-MUSIC 4(2,3)
**Music Technology and Musicianship IV:** PR: MUT 2126 or C.I. Continuation of MUT 2126. Studies in music theory, both written and aural skills, including musical analysis, model composition, sight singing, ear training, and improvisation. Odd Spring.

**MUT 3170** CAH-MUSIC 3(3,0)
**Jazz Theory I:** PR: MUT 1102 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 or C.J. Contemporary, cognitive, hypermetric, and projective approaches to musical rhythm, both written and aural. Musical form in dance, performance, and non-Western music. Occasional.

**MUT 3923** CAH-MUSIC 3(0,3)
**Jazz Workshop:** PR: MUT 3171 or C.J. 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 4021** CAH-MUSIC 1(0,0)
**Review of Music Theory:** PR: C.J. A comprehensive review of harmonic and analytic skills. May be repeated for credit. Occasional.

**MUT 4311** CAH-MUSIC 3(3,0)
**Orchestration:** PR: MUS 2360C and MUT 2127. Technical and aesthetic principles of writing for instruments of the concert orchestra. Odd Spring.
MVK 2420 CAH-MUSIC 4(1,1)
Jazz Piano IV: PR: MVJ 3230. Continuation of MVJ 3230. Scale studies, 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 Spring.

MVK 2423 CAH-MUSIC 4(1,1)
Jazz Guitar IV: PR: MVJ 3233. Continuation of MVJ 3233. Scale studies, arpeggios, chord voicings, and other techniques included in advanced jazz guitar skills. May be used in the degree program a maximum of 3 times. Odd Spring.

MVK 2444 CAH-MUSIC 4(1,1)
Jazz Bass IV: PR: MVJ 3431 and competence determined by faculty jury. Intensive advanced performance study of the bass, including composition, performance, and group music. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 2421 CAH-MUSIC 4(1,1)
Harp I: PR: MVJ 1411, Music major, or C.I. Continuation of MVJ 1411. Music majors only; not open to music majors whose major instrument is piano. Fall, Spring.

MVS 2422 CAH-MUSIC 4(1,1)
Harp II: PR: MVJ 1412, Music major or C.I. Continuation of MVJ 1412. Music majors only; not open to music majors whose major instrument is piano. Fall, Spring.

MVS 2423 CAH-MUSIC 4(1,1)
Harp III: PR: MVJ 1413, Music major or C.I. Continuation of MVJ 1413. Music majors only; not open to music majors whose major instrument is piano. Fall, Spring.

MVS 2424 CAH-MUSIC 4(1,1)
Harp IV: PR: MVJ 1414, Music major or C.I. Continuation of MVJ 1414. Music majors only; not open to music majors whose major instrument is piano. Fall, Spring.
UCF Courses and Descriptions

MVS 3431 CAH-MUSIC 2-3(1,1)
Violin III: PR: MVS 2421 and competence determined by faculty jury. Intensive advanced performance study of the string bass, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 3432 CAH-MUSIC 2-3(1,1)
Violin III: PR: MVS 2422 and competence determined by faculty jury. Intensive advanced performance study of the violin, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 3433 CAH-MUSIC 2-3(1,1)
Cello III: PR: MVS 2423 and competence determined by faculty jury. Continued study of performance skills of the cello, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 3434 CAH-MUSIC 2-3(1,1)
Bass III: PR: MVS 2424 and competence determined by faculty jury. Continued study of performance skills of the string bass, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 3435 CAH-MUSIC 2-3(1,1)
Harp: PR: MVS 2425 and competence determined by faculty jury. Continued study of performance skills of the harp, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 3436 CAH-MUSIC 2-3(1,1)
Guitar II: PR: MVS 2426 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)
Violin IV: PR: MVS 3421 and competence determined by faculty jury. Intensive advanced performance study of the violin, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 4442 CAH-MUSIC 4(1,1)
Viola IV: PR: MVS 3422 and competence determined by faculty jury. Intensive advanced performance study of the viola, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 4443 CAH-MUSIC 4(1,1)
Cello IV: PR: MVS 3423 and competence determined by faculty jury. Intensive advanced performance study of the cello, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 4444 CAH-MUSIC 4(1,1)
Bass IV: PR: MVS 3424 and competence determined by faculty jury. Intensive advanced performance study of the string bass, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 4445 CAH-MUSIC 4(1,1)
Harp IV: PR: MVS 3425 and competence determined by faculty jury. Intensive advanced performance study of the harp, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 5451 CAH-MUSIC 2(1,0)
Violin V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVS 5452 CAH-MUSIC 2(1,0)
Viola V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVS 5453 CAH-MUSIC 2(1,0)
Cello V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVS 5454 CAH-MUSIC 2(1,0)
Bass V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVS 5455 CAH-MUSIC 2(1,0)
Harp V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVS 5456 CAH-MUSIC 2(1,0)
Guitar V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVS 1111 CAH-MUSIC 1(0,1)
Class Voice: Class instruction in beginning voice. May be repeated for credit. Fall, Spring.

MVS 1111 CAH-MUSIC 1(0,1)
Voice I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 1873 CAH-MUSIC 1(0,1)

MVS 2421 CAH-MUSIC 2(1,0)
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.

MVS 3431 CAH-MUSIC 2-3(1,1)
Voice III: PR: MVS 2421 and competence determined by faculty jury. Continued study of performance skills of the voice, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 4441 CAH-MUSIC 4(1,0)
Voice IV: PR: MVS 3421 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 4640 CAH-MUSIC 2(2,0)
Voice Pedagogy: PR: C.I. Vocal function, anatomy, and pedagogical methodology as applied to the voice teacher and performer. Odd Spring.

MVS 4641 CAH-MUSIC 1(0,1)
Voice Pedagogy II: 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 status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVS 5651 CAH-MUSIC 2(3,0)
Voice Pedagogy: PR: Graduate standing in Music or C.I. Vocal function, anatomy, and pedagogical methodology with application to the voice teacher and performer. Odd Spring.

MVS 1211 CAH-MUSIC 1(0,1)
Secondary Flute: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in flutes, intended for non-music majors. May be repeated for credit. Fall, Spring.

MVS 1212 CAH-MUSIC 1(0,1)
Secondary Oboe: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in oboe, intended for non-music majors. May be repeated for credit. Fall, Spring.

MVS 1213 CAH-MUSIC 1(0,1)
Secondary Clarinet: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in clarinet, intended for non-music majors. May be repeated for credit. Fall, Spring.

MVS 1214 CAH-MUSIC 1(0,1)
UCF Courses and Descriptions

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 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 coursework in the nursing curriculum, and concurrent enrollment in NUR 3225; NUR 3125; NUR 3145; 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 3225 NUR 3225L; NUR 3125; NUR 3145; NUR 3445L. Concepts of family nursing as they relate to health promotion, maintenance and illness 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 3225; NUR 3125; NUR 3145; NUR 3445L. 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, Spring.

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. Clinical concepts of community health nursing focusing on community as client, and levels of prevention across the lifespan. 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 3834 and 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. Theoretical bases of professional nursing practice for RN to BSN students. Fall, Spring.

NUR 3806 CON-NURS 1(1,0) Professional Socialization Seminar: PR: NUR 3065 and C.I. Application of library utilization and professional writing skills, critical thinking and stress management principles to the beginning role of the professional nurse. 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-disease focusing on mind-body-spirit, transpersonal healing and complementary interventions to maximize nursing care outcomes. Occasional.

NUR 4227 CON-NURS 4(4,0) Nursing Care of the Adult II: PR: Admission to the BSN program. Clinical care of the first two semesters in the nursing curriculum, NUR 4227L; NUR 4535; NUR 4553L; or C.I. Nursing care of clients and their families experiencing acute, unstable, or life-threatening health problems. Fall, Spring.

NUR 4227L CON-NURS 3(0,3) Nursing Care of the Adult II: Clinical Practice: PR: Admission to BSN program. CR: successful completion of the first three semesters in the nursing curriculum, NUR 4227; NUR 4535; NUR 4553; or C.I. Nursing care of clients experiencing 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 in the promotion of 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 three semesters in the nursing curriculum, and concurrent enrollment in NUR 4535; NUR 4227; NUR 4227L. Clinical Application of Nursing interventions in the promotion of mental health and the prevention, treatment and rehabilitation of mental illness. Graded S/U. Fall, Spring.

NUR 4604L CON-NURS 4(0,12) Practicum in Community and Public Health Nursing for RNs: PR: or CR: NUR 4535. NUR 4827; and NUR 4637. Synthesis of theories and concepts incorporated throughout the curriculum, applied in the community health and public health nursing setting, and directed toward professional role development. Graded S/U. Fall, Spring.

NUR 4637 CON-NURS 2(0,0) 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 4495L, Nursing Practicum; NUR 4457L, NUR 4257. 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 4495L, NUR 4457, NUR 4257. Clinical course to apply concepts of public health nursing. Students will apply findings of community assessment completed in NUR 4637 Public Health Nursing. Graded S/U. Fall, Spring.

NUR 4675 CON-NURS 3(3,0) Issues in Rural Health Care: PR: 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. Principles of pain and pain management across the lifespan from neonates to the elderly, including practices across all healthcare settings, from acute care to home care. 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 are 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 as they relate to the beginning role of the professional nurse. Application of decision making process. 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 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. Occasional.

NUR 4829 CON-NURS 3(3,0) Accelerated Transitioning into Professional Practice as a Leader: PR: or CR: NUR 4495L 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: Completion of all Jr. level and Sr. level Fall courses 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.
PAD 4414 HPA-PUB 3(3,0)
Public Personnel Administration: The histo-
ry, personnel components, historical charac-
teristics, and increasing impact of laws and related sanctions on person-
nel practices of public agencies. Fall, Spring.

PAD 4446 HPA-PUB 3(3,0)
Multiculturalism in Public Administration: PR: PAD 3003 or C.I. This course is designed to help public managers examine public and personal attitudes and val-
ues, ethical dilemmas, and social consequences related to issues of diversity. Occasional.

PAD 4461 HPA-PUB 3(3,0)
Reengineering Government: PR: PAD 3003. Acquaint undergraduate students with the latest thinking on improving the effectiveness and efficiency of public organi-
zations via reengineering. Occasional.

PAD 4616 HPA-PUB 3(3,0)
Privatization: PR: PAD 3003 or C.I. Analysis of the pro-
cess of privatizing existing governmental services, includ-
ing privatization decision, creation of RFP or ITB, contract award and contract management. Occasional.

PAD 4712 HPA-PUB 3(3,0)
Information Systems for Public Managers and Planners: PR: PAD 3330 or C.I. Knowledge and skills concerning information technologies important for planned and public managers, including use of GIS to manipulate and analyze spatial data. Spring.

PAD 4720 HPA-PUB 3(3,0)
Survey Research in Public Administration: Introduction to the concepts, design, methodology, com-
puter applications, and data analysis in applied research in the public sector. Fall, Spring.

PAD 4803 HPA-PUB 3(3,0)
Issues in Urban Administration: CR: PAD 3330 or C.I. To provide students with an understanding of public policy and administrative responses to socioeconomic prob-
lems within the urban context. Occasional.

PAD 4941 HPA-PUB 3(6,0)
Public Administration Internship: PR: C.I. Internship in municipal, county, state, or federal govern-
ment, including assignments in such fields as personnel, planning, budget, and fiscal, procurement, and public safety. Graded S/U. Occasional.

PAD 4948 HPA-PUB 3(3,0)
American Humancis Internship: PR: Enrollment in American Humancis AH Certification Program, comple-
tion of 2 AH restricted course electives and approval of AH Campus Director. Supervised internship to demonstrate AH identified competencies for students in American Humancis certification program. Requires minimum of 300 hours placement in nonprofit human services organization. May be repeated for credit. Fall, Spring.

PAD 5041 HPA-PUB 3(3,0)
Ethics and Values in Public Administration: Examination of ethics in the public sector. Public concerns, past patterns, and individual/social aspects of ethical behav-
or are explored. Occasional.

PAD 5060 HPA-PUB 3(3,0)
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.

PAD 5145 HPA-PUB 3(3,0)
Volunteerism in Nonprofit Management: PR: Admission to Master of Nonprofit Management degree, Nonprofit certificate or C.I. Volunteer development in non-
profit organizations, including board selection, development and recruitment, training, motivation, leadership, ethical issues. Fall, Spring.

PAD 5146 HPA-PUB 3(3,0)
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 organiza-
tions including management issues. Fall, Spring.

PAD 5336 HPA-PUB 3(3,0)
Introduction to Urban Planning: Issues of urban-
ization, social development, use and comprehension-
ship, planning, environmental planning, and social planning. Fall.

PAD 5337 HPA-PUB 3(3,0)
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.

PAD 5338 HPA-PUB 3(3,0)
Land Use and Planning Law: Review of state and local aspects of the legal underpinnings of urban plan-
ning aspects such as zoning, growth management, and environmental regulation. Spring.

PAD 5356 HPA-PUB 3(3,0)
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.

PAD 5425 HPA-PUB 3(3,0)
Dispute Resolution in the Public Sector: An examina-
tion of the skills needed to resolve disputes in the public sector through facilitation, mediation, and other alter-
tnative methods. Occasional.

PAD 5427 HPA-PUB 3(3,0)
Labor Relations in the Public Sector: Current trends and developments in employment relations in the public sector, especially employee organization, nego-
tiations, and the collective bargaining process. Occasional.

PAD 5807 HPA-PUB 3(3,0)
Local Government Operations: Operational Functions of municipal and county governments and the role of the chief executive officer. Occasional.

PAD 5850 HPA-PUB 3(3,0)
Grant and Contract Management: PR: Admission to the Master of Nonprofit Management degree, Nonprofit certificate or C.I. Study of government or public nonprofit agency grant and contract administration and management responding to funding assistance solicitations and grant and contract preparation, evaluation, and presentation. Fall, Spring.

PAM 2102 HPA-PUB 2(2,0)
Public Affairs Careers: Introduction and examination of public affairs programs of study and career opportunities that will prepare students for future careers. Fall.

PAM 3753H HPA-PUB 3(3,0)
Honors Ethical Issues in Health and Public Affairs: PR: Permission of Honors and junior standing. Identi-

PAM 3850H HPA-PUB 3(3,0)

PAC 4754 HPA-PUB AFF 3(3,0)
Interdisciplinary Leadership in Public Affairs: PR: Junior Standing and ENC 1101 or C.I. Global public affairs leadership in social and economic development, social justice, transnational and interdisciplinary partner-
ships, and social change. Occasional.

PAC 4234 COS-BIOL 3(3,0)
Zoo and Aquarium Management: PR: PCB 3044, and PCB 3063 or C.I. Conservation, propagation and exhibi-
tion of wild animals in captivity. Occasional.

PAC 5235 COS-BIOL 3(3,0)
UCF Courses and Descriptions

PELL 2112 ED-CFCS 2(1,1) Intermediate Bowling: PR: PELL 2111, bowling experience, or average of 140 verification by league sheet. This course provides in-depth information that is necessary for the development of high bowling averages. Occasional.

PELL 2121 ED-CFCS 2(1,1) 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

PELL 2122 ED-CFCS 2(1,1) Beginning Golf: PR: PELL 2211 or equivalent competency. A study of performance and application of intermediate skills, rules, and etiquette. Physiological and social values accruing from this lifetime sport. Occasional.

PELL 2341 ED-CFCS 2(1,1) Beginning Tennis: Performance and application of basic skills, rules and etiquette. Physiological and social values accruing from this lifetime sport. Occasional. M&S fee: $24.00

PELL 2342 ED-CFCS 2(1,1) Intermediate Tennis: PR: PELL 2341 or equivalent competency. Performance and application of advanced skills, rules, and etiquette. Physiological and social values accruing from this lifetime sport. Occasional.

PELL 2640 ED-CFCS 2(1,1) Basic Football and Basketball: The analysis of offensive, defensive, and specialized techniques, and strategies. Occasional. M&S fee: $11.00

PEM 2011 ED-CFCS 2(1,1) Body Development: An in-depth study of individual physical (musculo-skeletal, neuromuscular, cardiorespiratory) fitness. Emphasis on individual diagnosis, principles, procedures, and conduct of related exercise programs. Fall, Even Spring.

PEM 2014 ED-CFCS 3(2,1) Personal Fitness: Study of personal fitness concepts, with opportunities to develop an individual, optimal level of fitness and an improved lifestyle through high-level wellness. Fall, Spring.

PEM 2121C ED-CFCS 3(1,3) Yoga: Performance and application of a series of basic movement, breathing, and concentration techniques designed to enhance body awareness, flexibility, strength, and balance, and to allow the mind to be focused and centered. Fall, Spring. M&S fee: $3.00

PEM 2127C ED-CFCS 2(1,1) Pilates: The Pilates method of body conditioning emphasizing core musculature as it applies to everyday movement. Occasional. M&S fee: $12.00

PEM 2131 ED-CFCS 2(1,1) Strength Resistance Training: Study of fitness and strength development through resistance exercise. Fall, Spring. M&S fee: $10.00

PEM 2134C ED-CFCS 2(1,1) Adventure Recreation: Options for adventure recreation including: outdoor living skills, canoeing, kayaking, rock climbing, frisbee and backpacking. Occasional. M&S fee: $3.00

PEM 2171 ED-CFCS 2(1,1) Aerobics: Appropriate rhythmical 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

PEM 2173 ED-CFCS 2(1,1) Step Aerobics: Appropriate rhythmical muscle toning movements utilizing one step to develop aerobic fitness. Concepts taught include warm-up, flexibility, work-out, and cool-down. Occasional.

PEM 2175 ED-CFCS 2(1,1) Country/Western Dance: Basic instruction in Country/Western Dance. Improve aerobic fitness by learning line dances, circle dances and basic partner steps, such as two-step and Waltz. Occasional.

PEM 2176C ED-CFCS 2(1,1) Cardio Kickboxing: Proper technique and fundamentals of cardio kickboxing. Occasional. M&S fee: $6.00

PEM 2179C ED-CFCS 2(1,1) Boot Camp Fitness: Study and application of aerobic and anaerobic physical fitness activities to improve core strength, posture, breath control, body alignment and flexibility. Occasional.

PEM 2405 ED-CFCS 3(1,2) Self Defense for Women and Men: Designed to provide students with self defense skills. Fall, Spring.

PEM 2443 ED-CFCS 2(1,2) Tae Kwon Do: An analysis and application of the martial arts; as part of an overall physical and mental training system. Occasional.

PEM 5408C ED-CFCS 3(2,1) 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.

PEN 1121 ED-CFCS 2(1,1) Elementary Swimming: For non-swimmers and beginning swimmers. Development and study of technique in the basic skills of water safety and swimming. Occasional.

PEO 2011 ED-CFCS 3(2,1) Team Sports: This course is designed to develop skill proficiency and knowledge to plan, implement and evaluate team sports as part of the Physical Education program. Fall, Spring. M&S fee: $5.00

PEO 2031 ED-CFCS 3(2,1) Individual Sports: Skill proficiency and knowledge to plan, implement and evaluate individuals sports. Fall, Spring. M&S fee: $9.00

PEO 2623C ED-CFCS 2(1,1) Officiating Basketball: Skills, knowledge, and practical experiences required to become an official in the sport of basketball. Occasional. M&S fee: $6.00

PEO 2624 ED-CFCS 3(2,1) Coaching Basketball: Theory and methods of coaching basketball, including the analysis of offensive and defensive techniques and strategies.

PEO 3041 ED-CFCS 3(3,0) Games Analysis: PR: Admission to Physical Education program and Jr. Standing or C.I. Teaching methodology utilizing games for specific outcome behaviors in grades K-12. Occasional.

PEO 3324 ED-CFCS 3(2,1) Coaching Volleyball: Theory and methods of coaching volleyball, including the analysis of offensive and defensive alignment techniques and strategies. Spring.

PEO 3514C ED-CFCS 3(2,1) 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. Fall.

PEO 3644 ED-CFCS 3(2,1) Coaching Football: Skills and methods of teaching football, including the analysis of offensive and defensive techniques and strategies. Fall.


PEP 3205 ED-CFCS 3(2,1) Gymnastics: This course is designed to develop skill proficiency and instructional strategies in gymnastics. Occasional.

PET 2081 ED-CFCS 1(1,0) Wellness, Children and Schools: Exploration and promotion of wellness for children in schools. Fall, Spring.

PET 2084 ED-CFCS 3(3,0) Introduction to Sport and Fitness: An introduction to sport and fitness industry professions with emphasis in fitness, recreation, physical activity, and human performance. Occasional.


PET 3125 ED-CFCS 3(3,0) Fitness and Weight Management: PR: Admission to Sport and Fitness Program and ZOO 3736C, PET 4125, PET 4550 (all required); or C.I. Provides current and future professionals with the requisite knowledge of fitness and weight management research, theories, and practice. Fall, Spring.

PET 3137 ED-CFCS 3(3,0) Concepts & Practices in Sport and Fitness: PR: Admission to the Sport and Fitness program or C.I. Examination of concepts and practices in sport and fitness. Fall, Spring.


PET 3329C HPA-HP 3(2,1) Lower Extremity Function and Measurement: PR: ZOO 3733C or ZOO 3736C. Lower extremity functional anatomy, manual muscle testing and goniometry. Fall.


PET 3361 ED-CFCS 3(3,0) Nutrition for Sport and Fitness: PR: Admission to Sport and Fitness program and ZOO 3736C; or C.I. Study of nutrition with focus on the strategies designed to meet nutrient demands for physical activity, exercise, and athletic performance in sport and fitness. Fall, Spring.

PET 3510C HPA-HP 3(2,1) Physiologic & Metabolic Basis of Human Movement & Performance: PR: Admission to Health Sciences - Athletic Training Track. Exercise physiology; drugs & nutrition, and performance & injury, each focusing on the key elements for the application of athletic training principles. Fall.

PET 3620 HPA-HP 3(3,0) Principles of Athletic Training: PR: ZOO 3733C or ZOO 3736C and PCB 3733C. Junior standing; open to all COHPA majors. Athletic training principles including injury recognition, emergency care, bloodborne pathogens, rehabilitation and prevention. Fall. M&S fee: $15.00

PET 3623C HPA-HP 3(2,2) Recognition and Evaluation of Athletic Injuries I: PR: PET 3620. Recognition and evaluation skills required to perform an injury assessment of the lower extremity and spine and provide immediate management. Fall.

PET 3627C HPA-HP 3(2,2) Injury, Management, and Rehabilitation: PR: ZOO 3733C or ZOO 3736C; or C.I. Recognition and management of common injuries found in active populations. Therapeutic modalities and therapeutic exercise are integrated through the course. Fall.

PET 3633C HPA-HP 3(2,1) Clinical Skills for Athlete Trainers I: PR: ZOO 3733C or ZOO 3736C. Junior standing; open to all non-majors. Clinical skills including functional knowledge of muscle, tendon, and ligament anatomy; advanced taping and bracing skills; and clinical assessment skills. Fall. M&S fee: $30.81

PET 3649C HPA-HP 2(1,1) Clinical Skills for Athletic Training II: PR: PET 3633C and (ZOO 3733C or ZOO 3736C); ZOO 3733C; or C.I. Study of injury management and prevention. Fall.

PR: Prior knowledge of upper extremity muscular anatomy; taping and bracing techniques; physical therapy concepts and practices. Occasional.
PET 3670L HPA-HP 4(0,16)
Practicum in Athletic Training I: PR: PET 3620. Clinical instruction and an athletic training site under direct supervision of a certified athletic trainer. Fall, Spring.

PET 3671L HPA-HP 4(0,16)
Practicum in Athletic Training II: PR: PET 3670L. Continuation of clinical practicum under direct supervision of certified athletic trainer. Fall, Spring.

PET 3740C ED-CFCS 2(1,1)
Teaching Physical Education in the Secondary School (6-12). Admittance to Junior block, or C.I. Curricular and instructional considerations for teaching secondary and middle school physical education. Occasional.

PET 3765 ED-CFCS 3(3,0)
Coaching Theory: PR: Admitted to COE or C.I. Theories of coaching learn and individual sports. Fall, Spring.

PET 3768 ED-CFCS 3(3,0)
Group Exercise Instruction: PR: Admission to Sport and Fitness program, ZOO 3783C, PET 4550, PET 4312 (all required); or C.I. An in-depth study into group exercise instruction and fitness related concepts. Fall, Spring.

PET 3771 ED-CFCS 3(3,0)
Strengthening and Conditioning Concepts: PR: Admission to Sport and Fitness program, ZOO 3783C, PET 4215, PET 4550, PET 4312 (all required); or C.I. Integration of advanced components of muscular strength training and endurance conditioning for the sports and fitness professional. Fall.

PET 3820 ED-CFCS 3(2,1)
Teaching Sports Skills I: PR: PEO 2011 or PEO 2031. Skill proficiency and knowledge to plan, implement and evaluate sports and leisure activities in physical education programs. Occasional.

PET 3940 ED-CFCS 3(3,0)
Internship I Physical Education: PR: EDG 4323; CR: PET 3930. Student teaching in a physical education program under the supervision of a certified classroom teacher. Occasional.

PET 3941 ED-CFCS 3(0,16)

PET 4002 ED-CFCS 3(1,2)
Outdoor and Leisure Activities: Study of contemporary outdoor and leisure activities. Course will include but not be limited to the "adventure activity curriculum," camping, water activities, fishing, orienteering, and hiking. Occasional.

PET 4050C ED-CFCS 3(2,1)
Motor Development and Learning: PR: PE Junior standing. An analysis of the theories and factors influencing the motor development of children and the learning of gross and fine motor skills. Fall, Spring.

PET 4083 ED-CFCS 3(3,0)
Personal Training Methods: PR: Admission to Sport and Fitness program, ZOO 3783C, PET 4550, PET 4312 (all required); or C.I. An in-depth study into personal training and fitness related concepts. Spring.

PET 4088 ED-CFCS 3(3,0)
Physical Activity & Preventive Medicine: PR: ZOO 3783C or C.I. Critique and analysis of evidence that exercise training can prevent some diseases and increase quality of life. Occasional.

PET 4215 ED-CFCS 3(3,0)
Motivational Aspects of Athletic Performance: PR: Coaching minor or C.I. Theories of attitude, motivation, effort, persistence, mental focus, visualization, and an exploration of techniques to enhance athletic performance. Fall, Spring.

PET 4312 ED-CFCS 3(2,1)
Biomechanics: PR: Anatomy. The comprehension and application of anatomical and mechanical principles involved in human movement. Fall.

PET 4315C HPA-HP 3(2,2)
Biomechanics of Sport: PR: PHYS 2033 or PHYS 2040C & L. Assessment and recognition of physiological and mechanical aspects of sports and injuries. Spring.

PET 4351C ED-CFCS 3(2,1)
Applied Exercise and Human Physiology: PR: ZOO 3733C, ZOO 3736C or appropriate human anatomy course. Metabolic, neuromuscular, respiratory and cardiovascular physiological concepts and principles with practical application to physical education and sport. Fall, Spring.

PET 4401 ED-CFCS 3(3,0)
Administration and Evaluation in Sport and Fitness: PR: Admission to Sport and Fitness program or C.I. Addressing administrative, measurement and evaluation aspects of Sport and Fitness programs. Fall, Spring.

PET 4550 ED-CFCS 3(2,1)
Fitness Assessment and Promotion: PR: ZOO 3783C or C.I. A study and acquisition of health related fitness, exercise strategies and related assessment techniques. Occasional.

PET 4603C HPA-HP 3(2,2)
Introduction to Athletic Training: PR: Athletic Training majors only or C.I. Basic athletic training skills including emergency care, first aid, wrapping, goniometry, and manual muscle testing. Occasional. M&S fee: $33.50.

PET 4606 HPA-HP 3(3,0)
Applied Fitness in Sport: PR: ZOO 3733C or ZOO 3736C and PCB 3703C, Junior standing; Open to all COHPA majors. Appreciation and clinical application of fitness regarding athlete. Fall, Spring.

PET 4624C HPA-HP 3(2,2)
Recognition and Evaluation of Athletic Injuries II: PR: PET 3620. Recognition and evaluation skills required to perform an injury/illness assessment of the upper extremity, head and neck, and general medical conditions and provide immediate management. Spring.

PET 4625 ED-CFCS 3(3,0)
Human Injuries: Mechanisms & Prevention: PR: Admission to Sport and Fitness program, PET 2622C and ZOO 3783C, PET 4312 (all required); or C.I. Study of human movement and analysis of techniques for the prevention and treatment of human injuries associated with sport and fitness. Fall, Spring.

PET 4630C HPA-HP 4(2,4)
Therapeutic Exercise in Athletic Training: PR: PET 3623C. Rehabilitation processes regarding exercise progression for recovery. Occasional.

PET 4632C HPA-HP 4(2,4)

PET 4636C HPA-HP 3(1,2)
Advanced Rehabilitation in Athletic Training: PR: Athletic Training majors only, PET 4630C or C.I. Advanced knowledge, skills, and techniques that the certified athletic trainer must perform during rehabilitation of injuries. Fall.

PET 4640 ED-CFCS 3(3,0)
Adapted Physical Education: Principles and methods of adapting physical education activities and programs for exceptional children and adults; mainstreaming rationale and methods analyzed. Spring.

PET 4660C HPA-HP 3(3,0)
Organization and Administration of Athletic Training: PR: PET 3671L. Administrative knowledge in the athletic training profession. Fall.

PET 4672L HPA-HP 4(0,16)
Practicum in Athletic Training III: PR: PET 4672L. Advanced clinical internship with increased responsibilities under the supervision of a certified athletic trainer. Fall, Spring.

PET 4673L HPA-HP 4(0,16)
Practicum in Athletic Training IV: PR: PET 4672L. Advanced clinical internship with increased responsibilities under the supervision of a certified athletic trainer. Fall, Spring.

PET 4674 HPA-HP 1(1,0)

PET 4710 ED-CFCS 3(3,0)
Methods for Physical Activity for Children and Adolescents: PR: Admission to the College of Education and/or Sport and Fitness program, or C.I. Develop effective instructional skills through planning, teaching, and assessment. Curricular and instructional considerations for physical activity in children and adolescents. Fall, Spring.

PET 4724 ED-CFCS 3(3,0)
Development and History of Physical Education Curriculum: A study of the factors involved in curriculum development and historical and philosophical considerations of physical education programs. Occasional.

PET 4763 ED-CFCS 3(3,0)
Coaching Methods And Principles: PR: Junior standing. Coaching minor or C.I. Assist students in understanding and conceptually integrating teaching methods/ coaching strategies with emphasis given to conditioning and leadership styles. Occasional.

PET 4823C ED-CFCS 3(2,1)
Teaching Sports Skills II: PR: PET 3820. Skill proficiency and knowledge to plan, implement and evaluate sports skills. Fall, Even Spring.

PET 4925 ED-CFCS 6(0,16)
Sport and Fitness Practicum I: PR: Overall GPA of 2.5 and completion of 1/3 of the Sport and Fitness program requirements. Field experience in a sport and fitness related organization. Graded S/U. Fall, Spring.

PET 4926 ED-CFCS 12(0,35)
Sport and Fitness Practicum II: PR: PET and Sport Practicum I and nonpass in PET 2622, Field experience in a sport and fitness related organization, association, or business. Graded S/U. Fall, Spring.

PET 4943 ED-CFCS 12(0,35)
Internship II: PR: Must have completed course work in specialization. Satisfactory completion of the portfolio. Full time student teaching under a certified elementary or secondary physical education teacher. Graded S/U. May be repeated for credit. Occasional.

PET 4945 ED-CFCS 12(0,35)
Internship II: PR: Must have completed course work in specialization. Satisfactory completion of portfolio. Full time student teaching under a certified elementary or secondary physical education teacher. Occasional.

PET 5216 ED-CFCS 3(3,0)
Motivational Aspects of Coaching: PR: Graduate standing or C.I. Assist students to understand and conceptually integrate mental and physical performance, mental reevaluation, motivation, effort, persistence, adherance, compliance, measurement and evaluation, and other related topics of interest. Occasional.

PET 5355 ED-CFCS 3(3,0)
Exercise and Health: PR: Admission to master's program or certificate program. Will provide educators an in-depth understanding of energy pathways, neuromuscular, cardiovascular, and respiratory systems during exercise. Emphasis on understanding principles of exercise adaptation and applying those principles to fitness/wellness settings. Occasional.

PET 5495 ED-CFCS 3(3,0)
Critical Issues: Ethics in Coaching and Sport: PR: Graduate standing or C.I. Specializes in coaching ethics, leadership in self-regulation, exercising, and developing philosophy, values, and moral reasoning skills. Occasional.

PET 5635 ED-CFCS 3(0,0)
Advanced Human Injuries: PR: PET 2622C or C.I. The application of medical knowledge to sport with the emphasis on preserving the health of an athlete before, during and after performance. Occasional.
Photographic materials and curatorial functions. The course environment focusing on the acquisition and display of Occasional. century photographic processes with related contemporary

Petry on the creation of multiple or consecutive images. Emphasis on the creation of multiple or contemporary movements in photography, special emphasis on issues and ideas relative to contemporary image making. Occasional.

PGY 3205C CAH-ART 3(2,4) Photographic Lighting Techniques: PR: PGY 2107, PGY 2215 or C.I. Advanced lighting techniques in both the studio and on location, with projects in the editorial, advertising, or fine art genres. Occasional. M&S fee: $45.00

PGY 3276 CAH-ART 3(3,0) The Professional Environment: PR: PGY 3002 or C.I. Concepts necessary for operation of a photography studio. Includes legal, ethical issues, marketing, self-promotion strategies; funding opportunities; professional development; and professional presentation. Occasional.


PGY 3451C CAH-ART 3(2,4) 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

PGY 3480 CAH-ART 3(3,0) Museum and Gallery Practices: PR: PGY 3002 Contemporary Photography. The museum and gallery environment focusing on the acquisition and display of photographic and curatorial functions. The course includes a service learning component. Occasional.

PGY 3610C COS-COMM 3(1,4) Photojournalism I: PR: Journalism majors only. Black and white shooting and processing, dark room and computer-based newspaper assignments. 35mm SLR camera with manual mode required. Fall, Spring. M&S fee: $45.00

PGY 3620C COS-COMM 3(1,2) Photojournalism II: PR: PGY 3610C. The Picture Story. Individual and group projects for extended documentarian coverage. Occasional. M&S fee: $45.00

PGY 3630 COS-COMM 3(3,0) Photojournalism III: PR: PGY 3620C. Photography Editing. Assignment selection, picture and copy editing, cropping, picture desk management, and ethics of photojournalism, and the new technological advances. Occasional. M&S fee: $11.00

PGY 3651C CAH-ART 3(2,4) Narrative Editorial Photography: PR: PGY 2655 Editorial Photography or C.I. Explores photography in narrative, documentary, and editorial form. Research, story, text, and visual style will be addressed. Fall. M&S fee: $45.00

PGY 3653C CAH-ART 3(2,4) Advanced Editorial Photography: PR: PGY 3651C. Exploration of imagery created to illustrate articles, including still-life, portrait, documentary, and/or fashion photography. Emphasis on the creation of multiple or consecutive images. Spring. M&S fee: $45.00

PGY 3703C CAH-ART 3(2,4) Photography and Web Design: PR: PGY 3821C or C.I. Advanced course on digital photography and professional output solutions for the photographer such as an interface, large format printing, and film recorder. Occasional. M&S fee: $45.00

PGY 3751C CAH-ART 3(2,4) Videography: PR: PGY 3021C or C.I. Creation of video narratives using the digital environment. Occasional.

PGY 3821C CAH-ART 3(2,4) Advanced Digital Photography: PR: PGY 2410C or C.I. Current digital imaging software and its application to contemporary work. Occasional. M&S fee: $45.00

PGY 4003 CAH-ART 3(3,0) Image, Culture, and Society: PR: PGY 3002 or C.I. The role of the media and media imagery in culture and society. Occasional.

PGY 4228C CAH-ART 3(2,4) Advanced Illustrative Photography: PR: PGY 3205C or C.I. Various avenues of photographic illustration, including lighting, historical and contemporary issues, style, presentation, and social concerns. Occasional. M&S fee: $45.00

PGY 4235C CAH-ART 3(2,4) Professional Photographic Workshop: PR: PGY 3205C. Creative, logical, and technical processes as related to a variety of special lighting problems in the professional photography studio and on location. Occasional. M&S fee: $45.00

PGY 4420C CAH-ART 3(2,3) Advanced Photography: PR: ART 2201C, ART 2203C, ART 2301C, ART 2410C, and a satisfactory portfolio review or C.I.; Or, admission to the Photography program. Advanced photography skills and portfolio development. Designed for art majors. May be repeated for credit. Fall, Spring. M&S fee: $45.00

PGY 4440C CAH-ART 3(2,3) Special Problems in Photography: PR: ART 2201C, ART 2203C, ART 2301C, ART 2410C, and a satisfactory portfolio review or C.I.; Or, admission to the Photography program. Designed for upper division art majors with photography concentration. A series of directed photography problems of a research nature. Occasional. M&S fee: $20.00

PGY 4471 CAH-ART 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 which is the same term this course is offered. Senior thesis project culminating in a public exhibition or portfolio presentation. Occasional. M&S fee: $45.00

PGY 4472C CAH-ART 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

PHI 2101 CAH-PHIL 3(3,0) Formal Logic I: A study of sentence and predicate logics, with introduction to modal, epistemic, deontic, multi-valued, and indeterminant logics. Occasional.

PHI 2108 CAH-PHIL 3(3,0) Critical Thinking: The logic of conversation, informal fallacies, and reasoning about human action. Occasional.

PHI 2630 CAH-PHIL 3(3,0) Ethics: An examination of the nature of moral problems, judgments and principles, with an emphasis on recent formulations in ethical theory. Occasional.

PHI 2647 CAH-PHIL 3(3,0) Logic and Ethics: PR: PHI 2101 or COT 3102 or MAD 2104. Research in logic applied to ethics, especially for science and technology. Uses of simulation and modeling to study philosophical problems in ethics. Occasional.

PHI 3022 CAH-PHIL 3(3,0) Sexuality, Gender & Philosophy: PR: WST 3015, PHI 2100 or COT 3100 or C.I. Examine the contributions of poststructuralist and neo psychoanalytical theories to cultural issues in sexuality and gender. Even Spring.
PHI 5328 CAH-PHIL 3(3,0) Philosophies of Embodiment: PR: Admission to graduate certificate 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 in Cognitive Sciences or C.I. Neuropsychology, 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 undergraduates and at least one of the following: PHI 3670, PHI 3638, or graduate standing or C.I. A seminar in theoretical and applied ethics with emphasis on application in professional fields. Variable content. Fall.

PHI 5634 CAH-PHIL 3(3,0) Medical Ethics: PR: Graduate standing or C.I. Ethics for practitioners of clinical medicine, health care delivery and medical research. Fall.

PHI 5665 CAH-PHIL 3(3,0) Knowledge, Responsibility, and Society: PR: Senior undergraduate standing and at least one of the following: PHI 3670, PHI 3638, PHI 4300, PHI 4341, PHI 4400, PHI 4653, or Graduate standing. A seminar exploring the relationship between ethics and epistemology with application to social concerns. Variable content. Occasional.

PHI 5687 CAH-PHIL 3(3,0) Ethics in Science and Technology: PR: Graduate standing or C.I. The relationship between ethics and the pursuit and application of human knowledge, emphasizing the responsibility of scientists to society. Occasional.

PHM 3020 CAH-PHIL 3(3,0) Philosophy of Love: PR: Senior standing and PHI 3112. An investigation of the meaning and significance of various kinds of love from a variety of philosophical perspectives. Spring.

PHM 3100 CAH-PHIL 3(3,0) Freedom and Justice: PR: Junior standing and PHI 3112. Philosophical analysis and evaluation of selected issues arising from the interaction of the individual, society, and the state; includes topics such as freedom, equality, and justice. Occasional.

PHM 3123 CAH-PHIL 3(3,0) Feminist Theories: PR: ENC 1102. Contemporary issues and perspectives in feminist theory and their relation to divergent feminist practices. Even Fall.

PHM 3124 CAH-PHIL 3(3,0) Philosophy of Law: PR: PHI 2010, PHI 2630, PHI 3670, or POS 2041. Study of the nature of, and justifications for, law and punishment. Examination of the concepts of legal personhood, rights and responsibilities. Spring.

PHM 4031 CAH-PHIL 3(3,0) Environmental Philosophy: PR: PHI 3640, PHI 2630, or C.I. Major contemporary positions in environmental philosophy, including deep ecology, ecofeminism, and social ecology. Occasional.

PHM 5035 CAH-PHIL 3(3,0) Environmental Philosophy: PR: PHI 3640, PHI 2630, graduate status or senior standing, or C.I. This course will provide an in-depth examination of the major contemporary positions in environmental philosophy, including deep ecology, ecofeminism, and social ecology. Occasional.


PHP 3783 CAH-PHIL 3(3,0) Modernity as a Philosophical Problem: PR: PHI 3640 or C.I. Modernity in the philosophies of Kant, Hegel, Nietzsche, Heidegger, Derrida, Rorty, and others. Occasional.

PHP 3786 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.

PHP 4782 CAH-PHIL 3(3,0) Phenomenology: PR: Junior standing and three Philosophy courses. The philosophy developed in the 20th century in the writings of Husserl, Heidegger, Sartre, Merleau-Ponty, De Beauvoir and Derrida. Odd Spring.


PHT 3069L HPA-HP 2(0,4) Physical Assessment Lab: PR: PHT 3069 Lab course examining the requirements 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 3112L. Human cadaver dissection of the back, spinal cord, cranial nerves, and upper and lower extremities. Occasional.

PHT 3113 HPA-HP 2(2,0) Gross Anatomy/Neuroscience II: PR: PHT 3112L. CR: 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 3113L. Directed laboratory experiences with cadaver dissection; use of the skeleton, models, and computer programs to facilitate learning. Occasional.

PHT 3114 HPA-HP 2(2,0) Clinical Kinesiology: CR: PHT 3122L. Mechanical aspects of human movement, including joint mechanics of the upper and lower extremity, the vertebral column, and tissue mechanics of relevant human tissues. Coordinated with cadaver dissection. Occasional.

PHT 3122 HPA-HP 3(3,0) Clinical Kinesiology Lab: CR: PHT 3122L. Affective, cognitive, and psychomotor skills applied to patient care. Diversity issues discussed. Basic skills of patient care; transfers, mobility skills, draping, gait training. Occasional.

PHT 3122L HPA-HP 4(1,2) Clinical Kinesiology Lab: CR: PHT 3122L. Course covering basic skills of patient care; transfers, mobility skills, draping, gait training. Occasional.


PHT 4119C HPA-HP 3(3,0) Clinical Gross Anatomy: PR: ZOO 3733C and C.I. Review of human anatomical systems using cadavers and emphasis on clinical applications and pathologies. Fall. M&S fee: $45.00


PHT 4222L HPA-HP 1(0,2) Therapeutic Exercise Lab: CR: PHT 4222 Lab course emphasizing therapeutic exercise skills for the treatment of patients with musculoskeletal dysfunction. Occasional.

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 use of various therapeutic exercise modalities. Occasional.

PHT 4307 HPA-HP 3(3,0) Pathology/Pharmacology: PR: PHT 3112. Organized seminars on the pathophysiology and clinical manifestations of various medical conditions as they relate to medical management in physical therapy practice. Occasional.

PHT 4308 HPA-HP 2(2,0) Medical Science and Pharmacology II: The impact on movement and posture of various orthopedic and neurological disorders; drugs used in their management. Pharmacology, neuroanatomy, and orthopedic pathology to the study of movement. Occasional.


PHT 5125 HPA-HP 2(2,0) Clinical Kinesiology: CR: PHT 5125L. Investigates the mechanical aspects of human movement, joint mechanics of the upper and lower extremity, the vertebral column and tissue mechanics of relevant human tissues. Applied.

PHT 5125L HPA-HP 2(2,0) Clinical Kinesiology Lab: CR: PHT 5125. Concerned with the evaluation and practical application of aspects of human movement, joint mechanics of the upper and lower extremity, the vertebral column and soft tissues. Occasional. M&S fee: $15.00

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 2049H</td>
<td>Honors College Physics I</td>
<td>3(0.3)</td>
<td>Honors Physics for Engineers and Scientists I: PR: Permission of Honors and PHY 2049C. MAC 2312. Same as PHY 2049C with honors-level content. Occasional.</td>
</tr>
<tr>
<td>PHY 2053C</td>
<td>College Physics</td>
<td>4(3.3)</td>
<td>College Physics I: PR: MAC 1105 and MAC 1114 or equivalent or C.I. Mechanics, waves, thermodynamics. Fall, Spring. M&amp;S fee: $15.00</td>
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<tr>
<td>PHY 2053H</td>
<td>Honors College Physics</td>
<td>4(3.3)</td>
<td>Honors College Physics I: PR: MAC 1105 and MAC 1114 or C.I. and consent of Honors. Mechanics, waves, thermodynamics. With Honors content. Fall.</td>
</tr>
<tr>
<td>PHY 2054C</td>
<td>College Physics</td>
<td>4(3.3)</td>
<td>College Physics II: PR: PHY 2053C. Fluids, electricity and magnetism, optics, x-rays, radioactivity. Fall, Spring. M&amp;S fee: $15.00</td>
</tr>
<tr>
<td>PHY 2090</td>
<td>Physics Today</td>
<td>0(0.15)</td>
<td>Physics Today: CR: PHY 2048C or PHY 2049C. Fundamental physics principles behind recent developments in physics research will be presented in a seminar format. May be repeated. Occasional.</td>
</tr>
<tr>
<td>PHY 3101</td>
<td>Physics for Engineers and Scientists</td>
<td>3(3.0)</td>
<td>Physics for Engineers and Scientists I: PR: MAC 2313 and PHY 2049H. Thermodynamics, oscillations, modern physics. Fall, Spring.</td>
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<tr>
<td>PHY 3110H</td>
<td>Honors College Physics</td>
<td>3(3.0)</td>
<td>Honors College Physics I: PR: Permission of Honors and PHY 2049C or PHY 2049H. Same as PHY 3101 with honors-level content. Occasional.</td>
</tr>
<tr>
<td>PHY 3323</td>
<td>Electricity and Magnetism</td>
<td>3(3.0)</td>
<td>Electricity and Magnetism I: PR: PHY 2048C, MAP 2302, Electrodynamics, magnetostatics, Lorentz force current electricity, Maxwell's equations. Fall.</td>
</tr>
<tr>
<td>PHY 3513</td>
<td>Thermal and Statistical Physics</td>
<td>3(3.0)</td>
<td>Thermal and Statistical Physics: PR: PHY 3101 or PHY 3110H or C.I. Thermodynamics, kinetic theory, elements of statistical mechanics. Fall.</td>
</tr>
<tr>
<td>PHY 3722C</td>
<td>Physics Laboratory-Electronics</td>
<td>3(1.5)</td>
<td>Physics Laboratory-Electronics: PR: PHY 2049C. State-of-the-art electronics, transducers, operational amplifiers, phase sensitive circuits, active filters. Occasional. M&amp;S fee: $15.00</td>
</tr>
<tr>
<td>PHY 3802L</td>
<td>Intermediate Physics Laboratory</td>
<td>3(1.5)</td>
<td>Intermediate Physics Laboratory: PR: PHY 3101 or C.I. Laboratory work in basic measurements of physical constants; experiments in electronics, modern physics, nuclear physics, optics, and solid state physics. May be repeated for credit. Fall.</td>
</tr>
<tr>
<td>PHY 3920</td>
<td>Frontiers in Physics Research: Colloquia and Public Talks</td>
<td>1(1.0)</td>
<td>Frontiers in Physics Research: Colloquia and Public Talks: PR: PHY 3101 or C.I. Presentations of current research and major advances in physics. Graded SU. May be used in the degree program a maximum of 3 times. Fall, Spring.</td>
</tr>
<tr>
<td>PHY 4234</td>
<td>Electricity and Magnetism</td>
<td>3(3.0)</td>
<td>Electricity and Magnetism II: PR: PHY 3220. Dielectrics, magnetic materials, electromagnetic waves, reflection, complex impedance, static solutions to Laplace's Equation, radiation from an accelerated charge and antenna, special relativity. Spring.</td>
</tr>
<tr>
<td>PHY 4424L</td>
<td>Optical Physics Laboratory</td>
<td>3(0.3)</td>
<td>Optical Physics Laboratory: A laboratory course on geometric optics, interference, diffraction, materials and modern optics. Occasional.</td>
</tr>
<tr>
<td>PHY 4803L</td>
<td>Advanced Physics Laboratory</td>
<td>3(1.5)</td>
<td>Advanced Physics Laboratory: PR: PHY 3802L. Experiments in optics, electronics, nuclear and solid state physics. Emphasis on design, data, and scientific writing. Occasional. M&amp;S fee: $15.00</td>
</tr>
<tr>
<td>PHY 5015C</td>
<td>Physics for Teachers II</td>
<td>3(2.2)</td>
<td>Physics for Teachers II: PR: Graduate status or senior standing or C.I. &quot;Hands-on&quot; lecture-laboratory course. Dynamics, electricity, magnetism, optics, nuclear radiation. Occasional.</td>
</tr>
<tr>
<td>PHY 5100</td>
<td>Topics in Contemporary Physics for Teachers</td>
<td>1(1.0)</td>
<td>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.</td>
</tr>
<tr>
<td>PHY 5140C</td>
<td>Ion-Solid Interactions</td>
<td>3(3.2)</td>
<td>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.</td>
</tr>
<tr>
<td>PHY 5200C</td>
<td>Newtonian Mechanics for Teachers</td>
<td>10(0.5)</td>
<td>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.</td>
</tr>
<tr>
<td>PHY 5300C</td>
<td>Electricity for Teachers</td>
<td>10(0.5)</td>
<td>Electricity for Teachers: PR: Graduate status or senior standing or C.I. Circuits, multimeters, oscilloscopes, circuit elements. Occasional.</td>
</tr>
<tr>
<td>PHY 5302C</td>
<td>Electromagnetism for Teachers</td>
<td>10(0.5)</td>
<td>Electromagnetism for Teachers: PR: Graduate status or senior standing or C.I. Gauss' Law, Biot-Savart Law, Ampere's Law, Faraday's Law, Lenz's law, motors, generators, AC circuits and Maxwell's Equations. Occasional.</td>
</tr>
<tr>
<td>PHY 5346</td>
<td>Electrodyamics</td>
<td>3(0.0)</td>
<td>Electrodyamics: PR: PHY 4324, and graduate status or senior standing or C.I. Boundary value problems in electrostatics and magnetostatics. Maxwell's equations, EM fields in matter, wave generation and propagation; wave guides, resonant cavities. Fall.</td>
</tr>
<tr>
<td>PHY 5401C</td>
<td>Optics for Teachers</td>
<td>10(0.5)</td>
<td>Optics for Teachers: PR: Graduate status or senior standing or C.I. Geometrical and physical optics, spectrometers and lenses. Occasional.</td>
</tr>
<tr>
<td>PHY 5455</td>
<td>Modern X-ray Science</td>
<td>3(0.0)</td>
<td>Modern X-ray Science: PR: Graduate status or senior standing or C.I. An introduction to the science and applications of modern X-ray optics, X-ray lasers, etc., with a review of basic properties of X-rays. Occasional.</td>
</tr>
</tbody>
</table>
UCF Courses and Descriptions

PHY 5466C COS-PHYS 1(0,5,1,5) Wave Motion for Teachers: PR: Graduate status or senior standing or C.I. 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. Engines, heat pumps, kinetic theory, phase changes, radiation, weather. Occasional.

PHY 5524 COS-PHYS 3(3,0) Statistical Physics: PR: PHY 3513, STA 3022, and graduate status or senior standing or C.I. A study of physical concepts and methods appropriate for the description of systems involving many particles. Ensemble theory, partition functions, Maxwell Boltzmann, Bose-Einstein, Fermi-Dirac statistics. Spring.

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 implementations 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: PHY 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 and origin of life, physical and chemical interpretation of life processes. Fall.

PHY 5817L COS-PHYS 1(0,3) Building Physics Apparatus: PR: Graduate standing or 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(3,3) Methods of Experimental Physics: PR: Graduate status or senior standing or C.I. Introduction to methods of experimental physics, including instrumental design, data acquisition, vacuum, cryogenics, sample preparation, nuclear physics, transport, and spectroscopy. Fall.

PHY 5933 COS-PHYS 3(3,0) Selected topics in biophysics of macromolecules: PR: PHY 3101, CHM 2046, and graduate status or senior standing or C.I. Physical concepts and techniques used in the spectroscopic study of dynamic structure and function of biological macromolecules such as proteins; Connections with other complex systems. May be repeated for credit. Occasional.

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 collars, and nano transport. 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 vibration, phonons, electrons in solids, energy bands, semiconductors. Occasional.

PHZ 4434 COS-PHYS 3(3,0) Nanoscale Surface Physics: PR: PHY 3101 or C.I. Physical and chemical properties of nanoscale surfaces. Even Fall.

PHZ 5156 COS-PHYS 3(3,0) Computational Physics: PR: PHY 3151 or C.I. Computational methods applied to the solution of problems in many branches of physics. May be repeated for credit. Fall.

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. Particles 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 structure, phonons, free electron model, band theory of solids, Fermi surface, solid state applications, and polymers. Occasional.

PHZ 5425C COS-PHYS 3(3,0) Electron Solid Interactions: PR: Undergraduate senior or graduate status or C.I. The physics and applications of electron interactions with solids. Classroom and hands-on laboratory content. Occasional.

PHZ 5432 COS-PHYS 3(3,0) Introduction to Soft Condensed Matter: 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 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 plasma. Instabilities, plasma waves, nonlinear effects, controlled thermonuclear fusion. Occasional.

PHZ 5600 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-CJ/L 3(3,0) Law and the Legal System: A survey course designed to familiarize the student with the American legal system, ethical considerations, terminology, legal reasoning, and the role of the legal assistant. Fall, Spring.

PLA 3108 HPA-CJ/L 3(3,0) Legal Research: Legal: 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 3115 HPA-CJ/L 3(3,0) Legal Writing: Legal: PLA 3108. A study of legal writing format and technique and the preparation of memoranda and other legal documents, using research skills learned in PLA 3108. Fall, Spring.

PLA 3205 HPA-CJ/L 3(3,0) Civil Practice and Procedure: PLA 3014 or C.I. The student becomes familiar with the Florida civil process before trial and acquires the ability to prepare basic pleadings. Fall, Spring.

PLA 3205H HPA-CJ/L 3(3,0) Civil practice and Procedure - Honors: PR: PLA 3014 or C.I. Theories governing liability for civil injuries not arising from contractual obligations; systems and procedures used in preparation, trial and appeal of Torts cases. Fall, Spring.

PLA 3306 HPA-CJ/L 3(3,0) Criminal Law: Basic concepts of substantive and procedural criminal law. The course includes examination of elements of major crimes, criminal responsibility, legal defenses, and parties to crime. Fall, Spring.

PLA 3309 HPA-CJ/L 3(3,0) Criminal Procedure: PR: PLA 3014 or CCJ 3024 or C.I. Rules of criminal procedure, with emphasis on Florida rules, including right to counsel, bail, search and seizure, arrest, identification, trial, and post-trial proceedings. Fall, Spring.

PLA 3615 HPA-CJ/L 3(3,0) Property and Real Estate Law: PR: PLA 4014. Study of the law of real and personal property, real estate transactions and conveyances; closing procedures and title problems. Fall, Spring.

PLA 4020 HPA-CJ/L 3(3,0) Law and Society: Examination of the relationship between law and American society including the impact on the legal system and legal profession of major social movements. Occasional.

PLA 4226 HPA-CJ/L 3(3,0) Advanced Trial Advocacy: PR: PLA 4010 or C.I. Litigation and trials at an advanced level; students must handle trial from beginning to end. May be repeated for credit. Occasional.

PLA 4240 HPA-CJ/L 3(3,0) Negotiation Alternatives in Law: PR: PLA 3014/C.J. Theories and skills involved in negotiation, mediation and other dispute resolution processes. Occasional.

PLA 4263 HPA-CJ/L 3(3,0) Evidence: PR: PLA 3014 and 3012 or C.I. An examination of statutes and cases that define rules of evidence for trial courts. Primary emphasis is on the Florida Evidence Code. Fall, Spring.

PLA 4424 HPA-CJ/L 3(3,0) The Law of Contracts: Study of the basic law of contracts as developed in Anglo-American law and as changed by modern statutes, including the Uniform Commercial Code. Florida contract law will be emphasized. Fall, Spring.

PLA 4436 HPA-CJ/L 3(3,0) Florida Partnerships and Corporations: Statutory requirements of Florida partnerships and corporations; creation and dissolution of business organizations, responsibilities of officers and basic rights of stockholders. Fall, Spring.

PLA 4464 HPA-CJ/L 3(3,0) Bankruptcy Law: PR: C.I. This course will acquaint the student with the substantive law and procedures associated with the rights and obligations of debtors and creditors. Occasional.

PLA 4472 HPA-CJ/L 3(3,0) Employment Discrimination Law: PR: C.I. Course will address employment discrimination based on race, gender, religion, national origin, age, disability and sexual orientation. Issues such as workplace harassment will be analyzed. Occasional.

PLA 4485 HPA-CJ/L 3(3,0) Administrative Law: PR: PLA 3014 or PAD 3003. The law regarding governmental agencies with emphasis on the administrative process, Administrative Procedures Acts and special problems of state administrative law. Fall, Spring.

PLA 4530 HPA-CJ/L 3(3,0) Legal Issues of the Elderly: PR: PLA 3014. Legal concerns faced by older Americans as they plan their later years and seek to maximize their personal autonomy. Occasional.
UCF Courses and Descriptions

PUR 4801 COS-COMM 3(3,0) Public Relations Case Studies: PR: AD/PR majors only and 4800 or C.J. I: Methodology and analysis of public relations cases highlighting the application of PR theory to advance organizational goals. Fall, Spring.


RAT 3241 HPA-HP 3(3,0) Clinical Radiobiology: Application of the principles and theories of radiobiology to the clinical practice of radiation therapy. 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: PR: Junior or senior standing. Admission to the teacher education program. Content literacy in the K-12 school curriculum: Principles, strategies, assessment, and promising practices. Fall, Spring.

RAT 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.


RAT 4642 ED-TLP 3(3,0) Practicum for Assessment and Instruction of Reading: PR: RED 4519. CR: Internship I. Practicum that provides opportunity to apply knowledge of reading assessment and instruction in order to increase reading proficiency of struggling readers. Concurrent school experience required. Fall, Spring.

RAT 5147 ED-TLP 3(3,0) Developmental Reading: PR: EDG 4233. Principles, procedures, organization, and current practices in the elementary reading program. Materials and methods of instruction. Fall, Spring.

RAT 5517 ED-TLP 3(3,1) Classroom Diagnosis and Development of Reading Proficiencies: PR: RED 5147 or equivalent. Classroom diagnosis and corrective teaching in reading; instructional materials. Case study required. Even Fall, Spring.

RAT 5948 ED-TLP 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. Application 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 which require this course. Political, cultural, institutional and scientific mechanisms which shape environmental policy. The effects of hazard, risk and uncertainty in policy development. Occasional.

REE 4103 BA-FIN 3(3,0) Real Estate Appraisal and Valuation: PR: FIN 3403C. Focus on the fundamentals of real estate valuation utilizing 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 which require this course. The practice of commercial real estate finance; emphasis on lender and borrower decision making and secondary markets. Occasional.

REE 4204 BA-FIN 3(3,0) Residential Real Estate Finance: PR: FIN 3403C. Open to majors or minors which require this course. Study of the practice of residential real estate finance; emphasis on lender and borrower decision making and secondary markets. Fall, Spring.

REE 4303 BA-FIN 3(3,0) Real Estate Investment Analysis: PR: FIN 3403C. Core course for 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 pre-construction, construction, financing, and final sale to the investment community. Fall.

REE 4933 BA-FIN 3(3,0) Advanced Topics in Real Estate: PR: 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 re-development project. Occasional.

REL 2300 CAH-PHIL 3(3,0) World Religions: Basic features and historical background of Confucianism, Taoism, Hinduism, Buddhism, Judaism, Christianity, and Islam. Fall, Spring.


REL 3115 CAH-PHIL 3(3,0) Religion, Spirituality, and Popular Music: PR: HUM 2220 or REL 2300. Contemporary spiritual sensibilities encountered at the intersection of religion, philosophy, and popular music. Odd Fall.


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 3433, HUM 3435, HUM 3552, HUM 4330, HUM 4554, HUM 4555, PHH 3100, or PHH 3200. Ancient, medieval, and early modern European mysticism, and its influences on religious, philosophical, artistic, and scientific thought in the West. Even Fall, Odd Spring.

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, both in the past and today. Occasional.

REL 4180H CAH-PHIL 3(3,0) Honors Religion and Medicine: PR: ENC 1102P, Junior standing and Consent of Honors. A comparative study of the approaches toward medicine and healing in different religious traditions in the U.S. and in the wider world. With Honors content. Occasional.

REL 4901 CAH-PHIL 1(1) Portfolio: PR: Final seminar 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.
UCF Courses and Descriptions

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)
Introduction to Respiratory Care.: PR: Admission to the professional upper-division Respiratory Therapy Program. Fundamentals of respiratory principles and practices will be studied. Introduction to the profession and basic methods are covered. Lecture and lab. Fall. M&S fee: $46.00

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 Clinical Assessment: PR: RET 3026C or C.I. Demonstration of physical assessment techniques, critical thinking, chest radiology and other laboratory techniques, pneumospirometry and clinical documentation. Includes Internet work. Spring.

RET 3494C HPA-HP 4(3,3)
Cardiopulmonary Physiology: PR: PCB 3703C. Normal ventilation, lung mechanics, pulmonary circulation, diffusion, and blood gases, with an emphasis toward diagnostic cardiology. Fall. M&S fee: $18.00

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. Traachectomy 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 4287 HPA-HP 3(3,0)
Cardiopulmonary Diagnostics I: PR: RET 4246. Noninvasive 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, stent insertion, and heart surgery. Spring.

RET 4441 HPA-HP 4(3,3)
Vascular Ultrasound: Study of application of ultrasound in the diagnosis of vascular diseases. Includes Doppler and color flow Doppler examination of arterial and venous systems. Occasional.

RET 4443 HPA-HP 4(3,3)
Advanced Cardiac Ultrasound: PR: RET 4287 or C.I. Study of advanced applications of ultrasound in the diagnosis of cardiac abnormalities. Two-dimensional echo, conventional Doppler, and color Doppler covered. Occasional.

RET 4465C HPA-HP 4(3,3)
Pulmonary Function Studies: PR: RET 3026C. Detailed procedures and tests to provide information for diagnosis of pulmonary disease, Lecture-laboratory. Occasional. M&S fee: $14.00

RET 4505 HPA-HP 3(3,0)
Chest Medicine: PR: RET 3026C. Disease states treated medically in conjunction with one or more modalities of respiratory therapy. Spring.

RET 4536 HPA-HP 3(3,0)
Cardiopulmonary Rehabilitation: PR: RET 3026 & RET 3494C or C.I. Principles underlying the development, implementation, and management of a comprehensive cardiopulmonary rehabilitation program. Spring.

RET 4715 HPA-HP 3(3,0)

RET 4886L HPA-HP 8(0,24)

RET 4934 HPA-HP 2(2,0)
Selected Topics in Respiratory Therapy: PR: C.I. Current topics of adult critical care, as they apply to the advanced study of respiratory therapy. Spring.

RET 5910 HPA-HP 3(3,0)
Research Methods in Cardiopulmonary Physiology: Introduction to methods used in research, research problems, principles and skills needed to function in a leadership position in Radiologic Sciences. Spring.

RME 3011 BA-FIN 3(3,0)
Principles of Risk and Insurance: PR: 3493C. Emphasis on insurance as a risk-handling device, with attention given to risk assumption, risk avoidance, and loss prevention. Spring.

RTE 3000 HPA-HP 3(3,0)

RTE 3111C HPA-HP 2(1.5,1.5)
Introduction to Patient Care: PR: Acceptance to the program. Provides the student with fundamentals of patient care methods related to radiology. Fall.

RTE 3116 HPA-HP 3(3,0)
Advanced Patient Care: PR: RTE 3111C or C.I. Study of advanced patient care concepts and techniques associated with computed tomography, magnetic resonance imaging, mammography, pediatrics and interventional procedures. Spring.

RTE 3308 HPA-HP 3(3,0)
Medical Physics: PR: RET 3694C or C.I. Study of radiation production, characteristics, detection and measurement, and protection, including barrier thickness calculation and shielding. Occasional.

RTE 3418C HPA-HP 3(2.5,1.5)
Principles of Radiographic Exposure I: An introduction to the technical variables influencing radiographic and fluoroscopic image quality, including equipment considerations, prime exposure factors, image receptors, and accessory exposure devices. Fall. M&S fee: $29.00.

RTE 3457C HPA-HP 3(2.5,1.5)

RTE 3503C HPA-HP 3(2,3)
Radiographic Procedures I: PR: Admission to the program. Provides fundamental knowledge of radiographic positioning, equipment manipulation, and quality evaluation of radiographic studies of the shoulder, thorax, lower extremity, vertebral column, cranial, and facial bones. Fall.

RTE 3614 HPA-HP 3(2,0)
Physics of Image Production: PR: College Physics I. Physical principles of diagnostic radiology, including radiation production, physical principles of generator operation, and characteristics of electromagnetic radiation. Fall.

RTE 3804L HPA-HP 2(0,8)
Clinical Education I: PR: Admission to Radiologic Sciences Major. Supervised clinical practice in radiologic procedures; radiation protection, patient care and equipment with emphasis on chest and abdomen procedures and patient care activities. Fall.

RTE 3814L HPA-HP 4(0,16)
Clinical Education II: PR: RTE 3804L. Supervised clinical practice in radiographic/fluoroscopic procedures with emphasis on examinations of the GI tract, urinary tract, extremities and shoulder girdle. Spring.

RTE 4202 HPA-HP 3(3,0)
Methods in Radiology Management: Concepts of radiology, department management, including principles of personnel management, patient care, equipment management, techniques, budgeting, financial considerations and legal aspects, and JCAH quality assurance specifications. Occasional.

RTE 4206 HPA-HP 3(3,0)
Management of Radiologic Sciences: PR: Senior level status in RS major or C.I. Study of the theories, principles and skills needed to function in a leadership position in Radiologic Sciences. Spring.

RTE 4209 HPA-HP 3(0,8)
Radiological Administrative Practice: A directed practice in the management of a radiology department, with emphasis on theory and practice of administrative procedures. Occasional.

RTE 4385 HPA-HP 1(1,0)
Radiobiology: PR: RTE 3308. A study of the effects of ionizing radiation on biologic systems. The responses at the cellular and total organism level are investigated. Fall.

RTE 4473 HPA-HP 3(3,0)
Quality Improvement: PR: Registered technologist or senior standing. The study of quality improvement and quality control from the perspective of radiology services. Spring.

RTE 4483 HPA-HP 2(2,0)
Special Radiographic Procedures: PR: RTE 3513C or C.I. Principles of nonvascular invasive procedures, including myelography, cholangiography, hysterosalpingography, and bronchography. Occasional.

RTE 4473 HPA-HP 3(3,0)
Advanced Imaging Modalities: PR: RTE 3513 or C.I. A study of the physical principles and applications of computed tomography, digital imaging, interventional radiography, mammography, ultrasound, magnetic resonance imaging, and nuclear medicine. Fall.

RTE 4574 HPA-HP 1(1,0)
Computed Tomography Protocols: PR: Senior level status in Radiologic Sciences program. Examines the application of imaging techniques accomplished by multidetector row computed tomography acquisition. Fall.

RTE 4574 HPA-HP 1(1,0)
Mammographic Imaging Protocols: PR: Senior level status in Radiologic Sciences program. Provides overview of imaging protocols used for specific MRI procedures. Content includes patient screening, safety precautions, patient positioning, coil and accessory device selection and use. Fall.

RTE 4762 HPA-HP 3(3,0)
Anatomy for the Medical Image: PR: ZOO 3733C and PCB 3703C. A study of the normal anatomic structures and interrelationships of structures as demonstrated in the radiographic and cross-sectional imaging reference. Fall, Spring.

RTE 4824L HPA-HP 5(0,24) Clinical Education III: PR: RTE 3814L. Supervised clinical activity in radiographic/surgical procedures, with emphasis on the pelvis, bony thorax, vertebral column and mobile radiography. Occasional.

RTE 4834L HPA-HP 6(0,24) Clinical Education IV: PR: RTE 4824L. Supervised clinical activity in radiographic/surgical procedures, mobile radiography and rotations through specialized imaging. Fall.

RTE 4844L HPA-HP 2(0,8) Clinical Education V-A: PR: RTE 4834L. Supervised clinical practice in radiographic/surgical procedures with emphasis on examinations of the cranium, facial bones, sinuses and special procedures. Spring.

RTE 4846L HPA-HP 4(0,16) Clinical Education V-B: PR: RTE 4844L. Supervised clinical practice in radiographic/surgical procedures with emphasis on examinations of the cranium, facial bones, sinuses and special procedures. Spring.

RTE 4854L HPA-HP 4(0,16) Advanced Clinical Practicum: PR: RTE 4844L or RTE 4846L or Admission to AS to BS Transfer Program. Supervised clinical practice in computed tomography, interventional radiology, computerized tomography, magnetic resonance imaging, mammography, trauma or pediatrics. Fall. Spring.

RTE 4803 HPA-HP 2(0.8) Directed Study in Radiologic Education: PR: EVT 3731 or EDG 4323 or C.I. Directed activity in classroom instruction in radiologic technology. Occasional.

RTV 2102 COS-COMM 3(3,0) Writing for the Electronic Media: PR: ENC 1102, RTV Major. Practice in basic writing for various electronic media including radio, television, corporate and digital media. Scripting requirements, writing styles and creative applications. Odd Fall, Even Spring.

RTV 3007 COS-COMM 3(3,0) Development and Structure of Electronic Media and New Technology: PR: SP 1000 or C.I. Nature of the media, the mechanics of operation of analog and digital systems, history, economics, programming, and internal and external controls. Fall. Spring.

RTV 3101 COS-COMM 3(1,2) Broadcast Copywriting: PR: RTV Majors only. Grammar, Proficiency Examination and School Typing Exam. Preparation of written public service and commercial copy for radio and television. Occasional.

RTV 3200 COS-COMM 3(3,0) Production Fundamentals and Aesthetics of Electronic Media: PR: or CR: RTV 3007 or C.I. Technical and creative concepts of analog and digital electronic media production for radio, television, and multimedia delivery systems. Fall, Odd Spring.

RTV 3201C COS-COMM 3(2,1) Audio Production I: PR: RTV 3200 and RTV Major - Production Specialization. Audio production theory and recording techniques utilizing various microphone types, and digital non-linear audio computer-based editing equipment. Students should expect significant work in the RTV lab facility outside of class. Fall, Odd Spring. M&S fee: $30.00

RTV 3210C COS-COMM 3(2,1) Lighting for Video: PR: RTV 3201C and RTV 3220C, and RTV Major - Production Specialization. Basic lighting techniques for both studio and location, and single and multiple-camera production. Students should expect significant work in the RTV facility outside of class. Odd Fall, Spring. M&S fee: $30.00

RTV 3220C COS-COMM 3(4,1) Studio Television Production: PR: RTV 3200 and RTV major - Production Specialization. Analog and digital television studio production including audio mixing, microphones, tape recorders, 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, Art/Design or C.I. Development of performance skills and techniques required to be a performer in any area of broadcast television and performing industry, with emphasis on announcing, interviewing, reporting, auditing, performance in scenes and commercials. Expect extensive studio work in the RTV facility outside the class. Occasional. M&S fee: $15.00

RTV 3260C COS-COMM 4(3,1) Single Camera Video Production and Editing: PR: RTV 3200C and RTV Major - Production Specialization. or Broadcast Journalism Specialization. Technical and aesthetic requirements of analog and digital single-camera video production and editing, including techniques for electronic news gathering (ENG) and electronic field production (EFP). Students should expect significant work in the RTV facility outside of class. Fall, Spring. M&S fee: $30.00

RTV 3263C COS-COMM 3(2,1) Advanced Video Post- Production: PR: RTV 3200C and RTV Major - Production Specialization. Advanced post-production techniques for analog and digital video, including A/B time code editing, digital video effects, electronic graphics, and non-linear video editing systems. Students should expect significant work in the RTV facility outside of class. Fall, Spring. M&S fee: $15.00


RTV 3304 COS-COMM 3(0) Electronic Journalism II: PR: RTV 3301, RTV 3200C and RTV Major - Broadcast Journalism Specialization. Newswriting and news-gathering strategies learned in RTV 3301 are integrated into a newsgathering context for actual production of analog and digital radio and television news packages. Fall, Spring.

RTV 3942L COS-COMM 1-3(0,3) Practicum: PR: C.I., RTV Major, and either RTV 3310C, RTV 3228C, or RTV 3260C. Students will serve in some position of responsibility on UCF Weekly News or other RTV program. Graded S/U. 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. Fall, Even Spring. M&S fee: $30.00

RTV 4201C COS-COMM 4(2,1) Audio Production II: 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 lab facility outside of class. Occasional. M&S fee: $30.00

RTV 4271C COS-COMM 3(1,3) Radio Production and Programming: PR: RTV 3200 and RTV Major - Production or Broadcast Generalist Specialization. Study and production of current radio formats, the integration of digital resources, and their effects on today's radio listener. Students should expect significant work in the RTV lab facility outside of class. Fall.

RTV 4280C COS-COMM 3(2,1) Webcasting II: PR: RTV Major and PR or CR: RTV 3260C. 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 repackage 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 3204 and RTV Major - Broadcast Journalism Specialization or C.I. Production of weekly campus newscast. Daily newsgathering and production of major language skills and strategies and their accompa- nying ethical considerations for analog and digital delivery of broadcast journalism. Fall, Spring. M&S fee: $15.00

RTV 4322C COS-COMM 3(2,1) Advanced TV News: PR: RTV 4320C, RTV Majors only and C.I. Supervised broadcast news experience and/ or practice in the weekly UCF news program. Students should expect significant work in the RTV lab facility outside of class. Occasional.

RTV 4403 COS-COMM 3(3,0) Electronic Media, Technology, and Society: PR: or CR: RTV 3007, Theories of media communication, mass communication effects, and emerging communication technologies, including digital media. Fall. Spring.

RTV 4503 COS-COMM 3(3,0) Sports Programming on Broadcast and Electronic Media: PR: RTV Majors only. Study and practice in the weekly UCF news program. Students should expect significant work in the RTV lab facility outside of class. Occasional.

RTV 4505 COS-COMM 3(2,1) Program Issues for TV & Motion Pictures: PR: PR 3007 or FIL 2003 or C.I. An examination of program development theories, strategies and issues in the televi- sion 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 problems in stations operated at local, regional, and national levels. Odd Spring.

RUS 1120 CAH-LANG 4(4,1) Elementary Russian Language and Civilization I: Introduces the student to Russian culture through major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. Occasional.


RUS 2200 CAH-LANG 3(3,1) Intermediate Russian Language and Civilization I: PR: RUS 1121 or equivalent. Development of language skills and cultural knowledge at the intermediate level. Occasional.

RUS 2201 CAH-LANG 3(3,1) Intermediate Russian Language and Civilization II: PR: RUS 2200 or equivalent. Continuation of RUS 2200, with emphasis on Russian civilization. Occasional.

RUS 2210 CAH-LANG 3(3,0) Intensive Russian Conversation: PR: One year of Russian or equivalent. Practical use of the language, leading toward fluency and correctness in speaking. Occasional.

RUS 3240 CAH-LANG 3(3,0) Russian Conversation: PR: RUS 2201 or equivalent. Development of skills in conversation and comprehension through practice. Occasional.
RUS 3760 CAH-LANG 3(3,0)
Advanced Russian Oral Communication: PR: RUS 2201 or equivalent. Vocabulary building with systematic training in diction and location. Speeches and oral presentations as well as production and delivery of real-life dialogues. Occasional.

SCC 3311 HPA-CJ/LJS 3(3,0)
Security Administration: Discussion of modern security practice, intervention and theft, 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/LJS 3(3,0)
Physical Security: PR: C.J. major or minor or C.I./CCJ 302A. 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/LJS 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 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 4305 ED-TLP 4(3,2)
Science Instructional Analysis: PR: EDG 4303 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: $10.00

SCE 4381 ED-TLP 3(3,0)
Programs in Teaching Science: PR: Admission to the Bachelor of Science in Science Education program or C.I. Special programs, strategies, and materials for middle and secondary school science education majors. Spring.

SCE 5325 ED-TLP 3(3,0)
Teaching Middle School Science: PR: EDG 6236 or C.I. This course will provide experiences that promote effective science teaching in grades 5-9 including interdisciplinary teaming, technology use, ESOL, and inquiry in science. Occasional.

SCE 5337 ED-TLP 3(3,0)
Issues and Methods in Secondary School Science: PR: EDG 6236 or C.I. Secondary school science education special methods course is designed to augment students' understanding of instructional methods and their applications to middle and high school science curriculum. Fall, Spring.

SCE 5836 ED-TLP 3(3,0)
Space Science for Educators: PR: Senior standing or C.I. Introduction to space science, manned space flight, and space education curriculum. Occasional.

SLS 1501 ED-ES 3(3,0)
Strategies for Success in College: PR: First Time in College (FTIC) standing or C.I. Development of life-skills necessary for the contemporary student to appropriately adjust to college requirements that lead to self-mastery and the total concept of lifetime wellness. Fall, Spring.

SLS 2261C ED-ES 2(2,1)
Student Organization Leadership: Application of leadership and organizational development paradigms, theories, and approaches for emerging and established student leaders. Occasional.

SLS 2311C COM-M&M 2(2,1)
Overview of Select Medical Careers: An overview of the pre-health professions process for careers in medicine, dentistry, veterinary, optometry, pharmacy, podiatry, and chiropractic. Spring.

SLS 2715 ED-ES 2(2,0)
Peer Leader Certification: PR: Orientation Team Members or C.I. Training peer leaders in helping strategies applicable to their peer leadership positions. Fall, Spring.

SOP 2772 COS-PSYCH 3(3,0)
Sexual Behavior: PR: PSY 312. Physiological, social, and clinical aspects of human sexuality. Fall.

SOP 3004 COS-PSYCH 3(3,0)
Social Psychology: PR: PSY 312. Effects of social situations and social variables on the behavior of individuals. Fall.

SOP 3723 COS-PSYCH 3(3,0)
Cross Cultural Psychology: PR: PSY 312. Exploration of theories, issues, and research concerned with the psychological understanding of under-represented minority groups. Odd Spring.

SOP 3724 COS-PSYCH 3(3,0)
Psychology of Prejudice: PR: PSY 312. 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-PSYCH 3(3,0)
Psychology of Women: PR: PSY 312. Examination of the psychological role of women in modern society. Topics include child rearing, working women, and sex differences in personality and cognition. Fall, Spring.

SOP 3751 COS-PSYCH 3(3,0)
Legal Aspects of Psychology: PR: PSY 312 or SYG 2001; PHE 3103 or C.I. Ethical and legal dilemmas and issues in the practice of psychology. Fall.

SOP 3784 COS-PSYCH 3(3,0)

SOP 5059 COS-PSYCH 3(3,0)
Advanced Social Psychology: PR: SOP 3001, 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 C.I. open to non-majors. Generalist social work practice, including the structure of American social welfare, values and ethics of social work and community resources. Fall.

SOW 3300 HPA-SOWK 3(2,1)

SOW 3352 HPA-SOWK 3(1,2)
Practice II: Interpersonal Skills in Social Work:: PR: SOW 3300. PR or CR: SOW 3300. Study and practice of interviewing, group leadership, written communication, and oral presentations, in consensus as well as conflictual contexts of social work. Spring.
SPA 4241 HPA-COM SC&DIS 3(3,0)

SPA 4321 HPA-COM SC&DIS 3(3,0)

SPA 4400 HPA-COM SC&DIS 3(3,0)

SPA 4476 HPA-COM SC&DIS 3(3,0)
Speech Disorders Across the Lifespan: PR: SPA 3472, SPA 3201, and SPA 3112. Causes and characteristics of speech and swallowing disorders in children and adults, including those affecting articulation, phonation, resonance, fluency, and feeding and swallowing. Fall, Spring.

SPA 4478 HPA-COM SC&DIS 3(3,0)
Multicultural Aspects of Communication Disorders: PR: LIN 3717 and linguistic diversity among individuals with communication disorders and differences. Special emphasis on African, Hispanic, Asian, and Native American. Fall, Spring.

SPA 4501L HPA-COM SC&DIS 3(3,0)
Undergraduate Clinical Practicum: PR: SPA 4000 or SPA 4072 and senior standing. Supervised clinical practicum for select undergraduate students in the management of language or articulation disorders. Fall, Spring. MIS fee: $45.00.

SPA 4555 HPA-COM SC&DIS 3(3,0)
Counseling in Communication Disorders: PR: SPA 4500 or C.I. Practical interviewing and counseling in the area of communication disorders. Spring.

SPA 4580 HPA-COM SC&DIS 3(3,0)
Augmentative and Alternative Communication Systems: PR: LIN 3717 or C.I. The total integrated network of the augmentative, strategies, and skills individuals use to supplement or replace inadequate natural speaking ability. Occasional.

SPA 4634 HPA-COM SC&DIS 3(3,0)
Educational Implications of Deafness: PR: ASL 2510. Impact of deafness on the educational process. The impact of deafness on the individual, their family, and the classroom will be discussed. Occasional.

SPA 4803 HPA-COM SC&DIS 3(3,0)
Research Methods in Communication Sciences and Disorders: PR: STA 2014C or STA 2123. Approaches, methods, and techniques of research in Communication Sciences and Disorders are considered through lecture, discussion, and group participation. Fall, Spring.

SPA 4870C HPA-COM SC&DIS 3(2,1)
Capstone Course: PR: PR or CR: All required CUSD courses. Integration of essential topics in communication sciences and disorders through curriculum content reviews and community experiences. Fall, Spring.

SPA 4948 HPA-COM SC&DIS 3(3,0)
Community Internship: PR: SPA 4400 or SPA 4476 and senior standing. Supervised interaction and planned activities with individuals experiencing communication disorders in community settings, including Head Start, public schools, clinics, skilled nursing and assisted living facilities. Fall, Spring.

SPA 5473 HPA-COM SC&DIS 3(3,0)
Multicultural Aspects of Communication Differences and Disorders: PR: C.I. Introduction to cultural and linguistic diversity among individuals with communication differences and disorders. Special emphasis on Hispanic, Asian, and Native American cultures. Occasional.

SPA 5554 HPA-COM SC&DIS 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.

SPA 5564 HPA-COM SC&DIS 3(3,0)
Aging and Communication: PR: Senior status or C.I. Study of the changes in communication with normal aging, focusing on assessment and research on older individuals with communication disorders. Occasional.

SPB 3003 BA-BUS 3(3,0)
Introduction to Sport Business Management: PR: Admission to a major business. The sport industry and the principles and applications of sport business management in professional, collegiate, and Olympic sport. Occasional.

SPB 3503 BA-BUS 3(3,0)

SPB 3603 BA-BUS 3(3,0)

SPB 3823 BA-BUS 3(3,0)

SPB 4104 BA-BUS 3(3,0)
Intercollegiate Sport Industry: PR: SPA 3003. The structure, evolution and governance of intercollegiate sport management and a framework for sound business decision management. Occasional.

SPB 4204 BA-BUS 3(3,0)
Professional Sport Industry: PR: SPA 3003. The structure, evolution and governance of professional sport management and a framework for sound business decision making. Occasional.

SPB 4304 BA-BUS 3(3,0)

SPB 4404 HPA-COM SC&DIS 3(3,0)

SPB 4704 BA-BUS 3(3,0)
Sport Business Strategy: PR: SPA 3003. The skills and knowledge applicable to the process of building and sustaining excellent sport organizations. Occasional.

SPC 3513 COS-COMM 3(1,2)
Argumentation and Debate: PR: SPA 3100. Fall, Spring.

SPC 3445 COS-COMM 3(3,0)
Leadership Through Oral Communication: PR: PR or CR: COM 3111 or C.I. Study of leadership in oral communication situations, principles of effective leadership, and leadership in problem solving. Fall, Spring.

SPC 3513 COS-COMM 3(1,2)
Argumentation and Debate: PR: SPA 3100. Fall, Spring.

SPM 3130 ED-CFCS 3(3,0)
Aqua Control: PR: Admission to B.S. in Sports and Fitness program or C.I. Fall, Spring.

SPM 3204 ED-CFCS 3(3,0)
Sports and Ethics: PR: Junior standing or C.I. An exploration into ethics and its influence on sports. Fall, Spring.

SPM 3415 ED-CFCS 3(3,0)
Public Relations in Sport and Fitness: PR: Admission to Sport and Fitness program or C.I. Examining the role of public relations and media with specific application to sport and fitness professionals. Fall, Spring.

SPM 3504 ED-CFCS 3(3,0)
Fiscal and Facilities: Issues in Sport and Fitness: PR: Admission to Sport and Fitness program or C.I. Fall, Spring.
Theories as well as information on current issues are examined. This course will provide an overview of the sports industry, including the role of marketing in administration and research. Aspects of sports marketing including planning, organizing, marketing, evaluating, and conducting special and sport events are examined. Occasional.

Financial Issues in Sports and Fitness: PR: Admission to Sport and Fitness Program or C.I. Examination of the legal issues and problems encountered by sport and fitness professionals. Fall, Spring.

Introduction to Sports Administration: PR: C.I. This course will provide an overview of the sports industry, including the role of marketing in administration and research. Aspects of sports marketing including planning, organizing, marketing, evaluating, and conducting special and sport events are examined. Occasional.

Marketing and Promoting Sports and Fitness Programs: PR: C.I. Introduces students to all aspects of sports marketing including planning, organizing, marketing, evaluating, and conducting special and sport events. Occasional.

Programs:

- **SPM 5308 ED-CFCS** (3,0)
  - Marketing and Promoting Sports and Fitness Programs: PR: C.I. Introduces students to all aspects of sports marketing including planning, organizing, marketing, evaluating, and conducting special and sport events. Occasional.

- **SPN 2240 CAH-LANG** (3,0)

- **SPN 2340 CAH-LANG** (3,0)
  - Spanish for Native Speakers: PR: Must be a native speaker. Intensive Spanish for native speakers who have had little or no formal training in the language. Occasional.

- **SPN 2341 CAH-LANG** (3,0)
  - Advanced Spanish for Native Speakers: PR: SPN 2340 or C.I. This course is the continuation of SPN 2340 geared towards native speakers and will complete the remaining grammatical topics as well as emphasize composition skills. Occasional.

- **SPN 2511 CAH-LANG** (3,0)
  - Modern Spanish Civilization: PR: SPN 1120 or equivalent. Will focus on modern Spanish culture using examples from present day society. Cultural visits and realia are essential components of this course. Occasional.

- **SPN 3140 CAH-LANG** (3,0)
  - Business Spanish I: PR: SPN 2200 and SPN 2201, or equivalent. Basic business terminology, business culture and business topics related to the Hispanic World. Fall.

- **SPN 3141 CAH-LANG** (3,0)

- **SPN 3142 CAH-LANG** (3,0)
  - Business Spanish III: PR: C.I. Continuation of Business Spanish II. Even Fall.

- **SPN 3234 CAH-LANG** (3,0)
  - Advanced Directed Readings: PR: SPN 2200 or C.I. Use of Spanish literary and Spanish texts in general, to develop reading comprehension and analysis skills for non-native speakers. Fall, Spring.

- **SPN 3300 CAH-LANG** (3,0)
  - Advanced Spanish Grammar and Composition: PR: SPN 2201 or equivalent. Advanced Spanish grammatical topics, idiomatic expressions, and continued development of writing skills based on the newly acquired concepts. Fall, Spring.

- **SPN 3343 CAH-LANG** (3,0)

- **SPN 3344 CAH-LANG** (3,0)
  - Advanced Spanish Native Fluency I: PR: SPN 3300 or C.I. Advanced grammatical topics and composition skills for native or near-native fluency speakers. Fall.

- **SPN 3345 CAH-LANG** (3,0)
  - Advanced Spanish Native Fluency II: PR: SPN 3344. Continuation of Advanced Spanish Native Fluency I emphasizing the remaining grammatical topics and composition skills. Spring.

- **SPN 3402 CAH-LANG** (3,0)
  - Practice in Modern Spanish Grammar: PR: SPN 2241 or 3340. This intensive Spanish course will provide the advanced student with practice and drill in modern Spanish using native texts. Occasional.

- **SPN 3420 CAH-LANG** (3,0)

- **SPN 3512 CAH-LANG** (3,0)
  - Contemporary Spanish Culture: PR: SPN 2201 or 3340 or equivalent. This course will focus on contemporary Spanish culture presented through classroom lectures and discussions, assigned reading and scheduled activities. Occasional.

- **SPN 3760 CAH-LANG** (3,0)
  - Advanced Spanish Oral Communication: PR: SPN 2201 or equivalent. Vocabularies building with systematic training in diction and location. Speeches and oral presentations as well as production and delivery of real-life dialogues. Fall, Spring.
SPN 5705 CAH-LANG 3(3,0) Introduction to Spanish Linguistics: PR: Graduate status or senior standing or C.I. An introduction to main concepts and methods of analysis focusing on Spanish morphology, syntax, semantics, and phonology as well as dialectology and sociolinguistics. Odd Fall.

SPN 5825 CAH-LANG 3(3,0) Spanish Dialectology: PR: Graduate status or senior standing or C.I. This course is a survey of the diversity found within the Spanish language with respect to phonological constraints, morphosyntax, second language influences, and historical development. Occasional.

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.

SPN 5920 CAH-LANG 3(3,0) AP Spanish Literature: PR: Graduate status or senior standing or C.I. Participants will enhance their knowledge of the language and culture of Spanish-speaking peoples and develop further proficiency in listening, comprehension, speaking, reading, and writing. 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 application 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 3809 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 3833 CAH-LANG 3(3,0) Spanish Legal Translation and Interpretation: PR: SPN 3420 and SPN 2241. 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.


SPW 3000H CAH-LANG 3(3,0) Honors: Nobel Prize Literature: Spain and Latin America: PR: Permission of Honors and Junior standing or C.I. Students will analyze, discuss and research English translations of Spanish and Latin American Nobel-Prize-Winning writers. Through readings, students will explore the universality of Spanish literature. Occasional.

SPW 3100 CAH-LANG 3(3,0) Survey of Spanish Literature I: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Main literary currents and works from the Middle Ages through the Eighteenth century. Fall, Spring.

SPW 3101 CAH-LANG 3(3,0) Survey of Spanish Literature II: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Main literary currents and works of the Nineteenth century to the present. Spring.

SPW 3130 CAH-LANG 3(3,0) Survey of Latin-American Literature I: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Main literary currents and works of the Nineteenth century from Realism to the present. Spring.

SPW 3320 CAH-LANG 3(3,0) Modern Hispanic Theatre Workshop I: PR: C.I. Introduction to fundamental actor's technique and practice in Spanish. Short scenes will be performed in class. Occasional.


SPW 3370 CAH-LANG 3(3,0) Spanish Short Story: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. A study of representative 19th and 20th-century Spanish short stories and their authors. Occasional.

SPW 4272 CAH-LANG 3(3,0) 20th Century Spanish Novel: PR: SPW 3101 or SPW 3131 or C.I. Major works of the leading authors of the 20th century. Texts selected are studied not only for their aesthetic value, but also in terms of their historical and cultural significance. Occasional.

SPW 4310 CAH-LANG 3(3,0) Golden Age Drama: PR: SPW 3100 or C.I. A study of the drama of the Golden Age, with special emphasis on Lope, Tirso, Alarcón, and Calderón. The controversies of the Spanish theatre and its influence abroad are examined. Occasional.

SPW 4322 CAH-LANG 3(3,0) Contemporary Iberian Latin American Theatre: PR: SPW 3101 or C.I. A study of the major playwrights and tendencies in contemporary Iberian theatre. Occasional.

SPW 4364 CAH-LANG 3(3,0) Latin-American Narrative/Essay: PR: SPW 3100 or SPW 3131 or SPW 3310 or SPW 3370 or C.I. Study of Latin-American narrative/essay (changing topics by semester) with emphasis in 20th century texts, contrasting techniques, procedures, and literary theories. May be repeated for credit only when course content is different. Occasional.

SPW 4381 CAH-LANG 3(3,0) Latin-American Theatre/Poetry: PR: SPW 3100 or SPW 3131 or C.I. Major works of the leading authors of the 20th century. Study of Latin-American theatre/poetry (changing topics by semester) with emphasis in 20th century texts, contrasting techniques, procedures, and literary theories. May be repeated for credit only when course content is different. Occasional.

SPW 4382 CAH-LANG 3(3,0) Central American Literature: PR: SPW 3101 or C.I. This course familiarizes the student with literary works of prominent writers from Central America. It covers the different literary periods within Central American literary history. Taught in Spanish. Occasional.

SPW 4450 CAH-LANG 3(3,0) Spanish Literary Theory: PR: SPW 3100 and SPW 3101, or SPW 3131 and SPW 3311, or C.I. A study of textual criticism 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.

SPW 4604 CAH-LANG 3(3,0) Cervantes: PR: SPW 3101 or C.I. Don Quixote. 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) Spanish Literary Heritage of the United States: PR: SPW 3101 or SPW 3131 or C.I. Reading and study of outstanding works written by Hispanic writers of the United States. Occasional.

SPW 4770 CAH-LANG 3(3,0) Caribbean Spanish Literature: PR: SPW 3101 or SPW 3131 or C.I. An overview of the literature of the Spanish-speaking Caribbean countries from colonial times to the present. Occasional.

SPW 4772 CAH-LANG 3(3,0) Black Presence in Contemporary Latin American Literature: PR: SPW 3101 or SPW 3311 or C.I. Analysis and discussion of representative contemporary work of authors who have included the black character as part of their narrative. Occasional.


SPW 5741 CAH-LANG 3(3,0) Contemporary Spanish American Southern Cone Literature: PR: Enrolled in Spanish M.A. Program C.I. Regional as well as international literary cultures and disciplines in southern cone literature. Occasional.

SSE 3312 ED-TLP 3(3,0) Teaching Social Science in the Elementary School: PR: EDG 4410 or C.I. Selected themes, problems, concepts; methods, techniques; evaluation procedures. Fall, Spring.

SSE 4361 ED-TLP 4(4.0) Social Science Instructional Analysis: PR: EDG 3323 or C.I.: RE: ESE 3840 or C.I. Analysis of secondary (grades 6-12) social science instructional programs including assessment of objectives, materials, processes, and procedures in light of current research and practice. Fall, Spring.

SSE 4936 ED-TLP 3(3,0) Programs in Teaching Social Science: PR: Admission to the Bachelor of Science in Social Science Education program. Special programs, strategies, materials for middle and secondary social science majors. Fall.

SSE 5391 ED-TLP 3(3,0) Global Education: Theory and Practice: PR: Graduate standing or C.I. Examines the theoretical underpinnings of teaching about the world along with a variety of theoretically grounded teaching strategies for engaging students in global education. Spring.

SSE 5776 ED-TLP 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.

SSE 5790 ED-TLP 3(3,0) Inquiry and Instructional Analysis in Social Science Education: PR: Admission to M.A. program or alternative certification certificate program. Study of instructional programs in social science and related scholarship; development of an inquiry about the intersection of theory and practice in social science teaching. Occasional.

STA 1060C COS-STAT 3(2.1) Basic Statistics Using Microsoft Excel: Applications of Excel: manipulating data; single variable graphs and statistics; scatterplots; probability distributions; statistical inference. Fall, Spring.

STA 2014C COS-STAT 3(2.1) Principles of Statistics: Introduction to statistical concepts in modern society. Basic principles, frequency distributions, measures of location and dispersion, probability, statistical inference. The "NC" grading policy applies to this course. Fall, Spring.

STA 2023 COS-STAT 3(3.0) Statistical Methods I: PR: MAC 1055 or MGF 1106. First course in probability and statistical inference, including estimation, hypothesis testing, binomial and normal distributions, sample size. Fall, Spring.

STA 2023H COS-STAT 3(3,0) Honors Statistical Methods I: PR: Permission of Honors; Calculus desired but not necessary. Same as STA 2023 with honors-level content. Fall, Spring.
STA 3032 ECS-IEMS  3(3,0)
Probability and Statistics for Engineers: PR: MAC 2312. Analysis 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 3032H ECS-IEMS  3(3,0)
Honors Probability and Statistics for Engineers: PR: MAC 2312 and honors standing. Fundamental probability and statistics principles, the underlying assumptions, the procedures for implementing and interpreting them. With honors content. Fall, Spring.

STA 3006 COS-STAT  3(3,0)

STA 4102 COS-STAT  3(3,0)
Computer Processing of Statistical Data: PR: STA 4163 and knowledge of a programming language. Use of packages such as SAS, BMD, SPSS for data validation, description and analysis of data, regression and analysis of variance and covariance. Fall.

STA 4130 COS-STAT  3(3,0)
Life Contingencies II: PR: STA 4183 (or old number STA 3183). Economics of insurance, utility theory, single premiums for insurance and annuities in both discrete and continuous cases. Net annual premium and net premium reserves. Fall.

STA 4131 COS-STAT  3(3,0)

STA 4163 COS-STAT  3(3,0)
Statistical Methods II: PR: STA 2023 or STA 3032. Not open to students with credit in STA 4165. Methods of analyzing data, statistical models, estimation, tests of hypotheses, regression and correlation, an introduction to analysis of variance, chi-square, and nonparametric methods. Fall, Spring.

STA 4164 COS-STAT  3(3,0)
Statistical Methods III: PR: STA 4163. A continuation of STA 4163, including further study of regression, analysis of variance and covariance and multiple comparisons. Fall, Spring.

STA 4173 COS-STAT  3(3,0)

STA 4183 COS-STAT  3(3,0)
Theory of Interest: PR: MAC 2312 (or equivalent) and STA 2023. Measurement of simple and compound 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, hedging strategies, Black-Scholes option pricing, simple swaps, portfolio management with derivatives, duration analysis, collateral balances, and margin. Fall, Spring.

STA 4186 COS-STAT  3(3,0)

STA 4187 COS-STAT  3(3,0)

STA 4222 COS-STAT  3(3,0)

STA 4321 COS-STAT  3(3,0)
Statistical Theory I: PR: STA 2023 or STA 3032. CR: MAC 2313. Probability axioms, discrete and continuous sample spaces, conditional probability, independence, one-dimensional random variables, moment generating functions, transformations, jointly distributed random variables. Fall.

STA 4322 COS-STAT  3(3,0)

STA 4502 COS-STAT  3(3,0)
Nonparametric Statistical Methods: PR: STA 2023 or STA 3032. Distribution-free tests on location and dispersion, goodness of fit tests, tests of independence, measures of association, nonparametric analysis of variance. Occasional.

STA 4504 COS-STAT  3(3,0)

STA 4641 COS-STAT  3(3,0)

STA 4664 COS-STAT  3(3,0)

STA 4672 COS-STAT  3(3,0)

STA 4675 COS-STAT  3(3,0)

STA 4676 COS-STAT  3(3,0)

STA 4852 COS-STAT  3(3,0)

STA 4939 COS-STAT  3(3,0)
Problems in Actuarial Science: PR: STA 4322. Fundamental mathematical and statistical tools for quantitatively assessing risk; application of these tools to problems in actuarial science. May be repeated for credit. Occasional.

STA 4942 COS-STAT  3(3,0)
Practicum in Actuarial Science: PR: STA 4183 or STA 6185. Discussion and presentation by actuarial practitioners. Occasional.

STA 5085 COS-STAT  3(3,0)

STA 5103 COS-STAT  3(3,0)
Advanced Computer Processing of Statistical Data: PR: STA 4183 or STA 6185. Study and projects on problems in actual practice; discussions and presentations by practitioners from life insurance, casualty, etc. Occasional.
SUR 2101C ECS-CECE 3(2,3) Surveying: PR: MAC 2311 and Junior standing. Theory and field practice in surveying measurements and the reduction and adjustment of field data. Spring.

SUR 3324C ECS-ENT 3(0,1) Digital Cartography: PR: SUR 4380. Coordinate systems, dot maps, data models and map digitizing, multivariate mapping, data measurement, typography, map compilation and map production. Occasional.

SUR 3331 ECS-ENT 3(3,0) Photogrammetry: PR: SUR 2140C (Advanced Surveying) - offered only at community colleges. History of photogrammetry, principles of aerial imaging, digital imagery, geometry of aerial photography, image and object space, stereometry and parallax, and topographic mapping. Occasional.

SUR 3530C ECS-ENT 3(2,2) Geodetic Science: PR: SUR 2101C or C.I. Spherical trigonometry, basic topics in geodesy including geodetics reference systems and earth models, state plane and grid systems, astronomic observations, time systems, and satellite orbits. Spring.

SUR 3641 ECS-ENT 3(3,0) Geospatial Computations: PR: STA 2023 or equivalent. Methods of solving linear equations, theory of matrices, mathematical models, basic statistical concepts, probability, statistical testing, differential equations, and concepts of error analysis. Occasional.


SUR 4403 ECS-ENT 3(3,0) Boundary Location: PR: ETD 2350C or C.I. Professional responsibilities, ethics, boundaries creation, property surveying and ownership, retracement surveys, evidence & preservation of evidence, easements, and role of surveyor in court. Occasional.


SUR 4463 ECS-ENT 3(3,0) Land Subdivision and Platting: PR: SUR 4403. Land development analysis, regulations and subdivision ordinance, plat recording, development potential evaluation, and site design considerations including topographic, geotechnical, and plat design specification. Occasional.


SYA 3110 COS-SOC 3(3,0) Social Theory: PR: Junior standing and 9 hours of upper level sociology courses or C.I. Theories concerning the nature of mankind as a "social being." The nature of society from the beginnings of the scientific study of human life to World War II. Spring.

SYA 3120 COS-SOC 3(3,0) Contemporary Social Theory: PR: Junior standing and 9 hours of upper level sociology courses or C.I. A study of major European and American contributors to modern sociology since World War II. Occasional.
SYO 3410  COS-SOC  3(3,0)  Patterns of Mental Health in Society: PR: SYG 2000 or C.I. Sociological examination of mental illness as a social problem; legal aspects of mental illness, and the mental health professions. Occasional.

SYO 3530  COS-SOC  3(3,0)  Social Power and Inequality: PR: SYG 2000 or C.I. Study of class, status and power, cultural variations in structured systems; patterns of mobility and change. Occasional.

SYO 4100  COS-SOC  3(3,0)  Family Trends: PR: SYG 2000 or SYG 2010 or C.I. Intimate relationships, practices, trends and issues affecting today’s marriages and families. Fall, Spring.

SYO 4200  COS-SOC  3(3,0)  Religion in Society: PR: SYG 2000 or C.I. The relationship between the religious institution and social stratification, family, education, as well as issues pertaining to gender, race, ethnicity, and age. Occasional.

SYO 4250  COS-SOC  3(3,0)  Education and Social Achievement: PR: SYG 2000 or C.I. This course examines the sociological dimensions of the educational institutions, including the impact of the structural social system on learning and the role of education in social change. Occasional.

SYO 4300  COS-SOC  3(3,0)  Political Sociology: Sociological analysis of political and political groups, socioeconomic variable of voting behavior, power elites, societies and systems of government. Occasional.

SYO 4323  COS-SOC  3(3,0)  Community and Diversity: PR: SYG 2000 and junior standing. The formation of social systems in response to social problems and the implementation of public policy. Emphasis on diverse perspectives and ethical positions and their effect on the form and effectiveness of social systems. Occasional.

SYO 4400  COS-SOC  3(3,0)  Medical Sociology: Analysis of patient beliefs and behavior, health practitioners, the social organization of hospitals and health services, contemporary problems in the delivery of health care. Occasional.

SYO 3300  COS-SOC  3(3,0)  Fads, Crowds, and Social Action: PR: SYG 2000 or C.I. Analysis of relatively unstructured social situations such as mobs, crowds, etc. as well as more structured forms of collective behavior such as social movements. Occasional.

SYO 3400  COS-SOC  3(3,0)  Social Change: PR: SYG 2000 or SYG 2010 or C.I. Context and essential sources of social development and change. Occasional.

SYO 3510  COS-SOC  3(3,0)  Sociology of Deviant Behavior: PR: SYG 2000 or SYG 2010 or C.I. Sociological examination of the types of, and societal reactions to, deviant behavior with special emphasis on stigmatization. Spring.

SYO 3511  COS-SOC  3(3,0)  Sociology of Murder: PR: SYG 2000 or SYG 2010 or C.I. An analytical study of murder in the U.S.; topics include different types of homicides, offenders, victims, and circumstances. Fall.

SYO 3520  COS-SOC  3(3,0)  Criminology: PR: SYG 2000 or SYG 2010 or C.I. Chief causes of anti-social behavior and current methods of prevention and reform. Effects of heredity and environment, prevalence of delinquency and crime, penal institutions. Fall, Spring.

SYO 3530  COS-SOC  3(3,0)  Juvenile Delinquency: Types of delinquency behavior among juveniles; possible causes and ways society attempts to treat the various forms of delinquency. Occasional.
THE 2304 CAH-THEA 3(3,0)  
Script Analysis: PR: Theatre major or minor. Exploration of dramatic form with focus on playscripts for productions. Fall, Spring.

THE 2925L CAH-THEA 0(0,VAR)  
Theatre Participation: PR: Theatre major or minor. Participation in UCF Theatre productions. Graded S/U. May be used in the degree program a maximum of 8 times. Fall, Spring.

THE 3082 CAH-THEA 3(3,0)  
Theatre Careers: PR: Theatre major or minor, Sophomore standing, and "C" (2.0) or better in THE 2020 or THE 2000. Techniques to secure employment in theatre and related fields. Occasional.

THE 3240 CAH-THEA 3(3,0)  
Musical Theatre Survey: PR: Grade of C (2.0) or better required in THE 2020 or THE 2000. Origins and evolution of Musical Theatre from the Ancient Greeks through the present day. Occasional.

THE 3272 CAH-THEA 3(3,0)  

THE 3311 CAH-THEA 3(3,0)  
Theatre History and Dramatic Literature II: PR: Theatre major or minor, "C" (2.0) or better in THE 2010 and Sophomore standing. Theatre history and drama from the Greeks to the Renaissance. Fall.

THE 3312 CAH-THEA 3(3,0)  
Theatre History and Dramatic Literature II: PR: Theatre major or minor, "C" (2.0) or better in THE 2010. Use of Musical Theatre from the Ancient Greeks through the present day. Occasional.

THE 3331 CAH-THEA 3(3,0)  
Theatre History and Dramatic Literature III: PR: Theatre major or minor, "C" (2.0) or better in THE 2030 and Sophomore standing. Theatre history and drama from modern realism to present. Fall.

THE 3333 CAH-THEA 3(3,0)  

THE 3383 CAH-THEA 3(3,0)  
Taboo Theatre: Sex & Violence on Stage: PR: ENC 1102. Dramatic literature with taboo topics and their impact on the storytelling and entertainments of today. Occasional.

THE 4003L CAH-THEA 1(0,VAR)  
Theatre Participation-Management II: PR: Theatre major or minor, "C" (2.0) or better in THE 2200L Participation in UCF Theatre productions. May be used in the degree program a maximum of 8 times. Fall, Spring.

THE 4021 CAH-THEA 3(3,0)  
Global Theatre: PR: Grade of C (2.0) or better required in ENC 1101 or ANT 2000. Theatrical arts and traditions of various countries with an emphasis on non-western cultures. Occasional.

THE 4242 CAH-THEA 3(3,0)  

THE 4245 CAH-THEA 3(3,0)  
Musical Theatre History II: PR: B.F.A Musical Theatre major, C (2.0) or better required in THE 2024. Origins and evolution of Musical Theatre from the 1950s through the present. Spring.

THE 4284 CAH-THEA 3(3,0)  
Period Costume, Architecture, and Decor I: PR: "C" (2.0) or better in TPA 2000C and THE 3312. Costumes, furniture and decor from antiquity to the High Renaissance. Fall.

THE 4285 CAH-THEA 3(3,0)  
Period Costume, Architecture, and Decor II: PR: "C" (2.0) or better in TPA 2000C and THE 3312. Costumes, furniture and decor from the English Renaissance to the present. Fall.

THE 4423 CAH-THEA 3(3,0)  
Women in Theatre: PR: Grade of C (2.0) or better in ENC 1101. An overview of women's contributions to theatre. Occasional.

THE 4543 CAH-THEA 3(3,0)  
Theatre for Social Change: PR: Grade of C (2.0) or better in ENC 1101. Theatre activist's impact on theatrical art forms. Occasional.

THE 4954 CAH-THEA 0(0,VAR)  

THE 5205 CAH-THEA 3(3,0)  

THE 5248 CAH-THEA 3(3,0)  
Musical Theatre in History: PR: Admission to MFA Musical Theatre Program. A chronological study of musical theatre from early Viennese operetta to the musicals of the modern age. Course will emphasize the work of composers, librettists, and lyricists as well as representative masterworks of a variety of genres. Emphasis will be placed upon historical trends and theatrical viability. Fall.

THE 5278C CAH-THEA 1(1,1)  
Musical Theatre Lab: PR: TPA 5157C. Practical course in developing musical theatre skills for the actor. Spring.

THE 5288 CAH-THEA 3(3,0)  
Period Costumes, Architecture and Decor I: PR: Admission into Theatre MFA Design track. Costumes, architecture and decor from antiquity to the renaissance. Fall.

THE 5289 CAH-THEA 3(3,0)  

THE 5307 CAH-THEA 3(3,0)  

THE 5385 CAH-THEA 3(3,0)  
Dramatic Literature for Children: PR: Admission to MFA graduate program or C.I. An in-depth study of the growth and development of dramatic literature for children. Even Fall.

THE 5510 CAH-THEA 3(3,0)  
Research Methods in Theatre: PR: MFA and MA in Theatre. Practice knowledge, skills and techniques needed by students to conduct research to include organization, styles, forms and emergent forms. Fall.

THE 5545L CAH-THEA 1(2,0)  
Theatre Practicum I: PR: Graduate status or C.I. A laboratory course designed to develop students' practical working knowledge in Theatre. Occasional.

THE 5546L CAH-THEA 1(2,0)  
Theatre Practicum II: PR: Admission into the graduate program. Theatre Practicum I. A laboratory course designed to develop students' practical working knowledge in theatre. Occasional.

THE 5910 CAH-THEA 3(3,0)  
Theatre Rendering: PR: "C" (2.0) or better in THE 2020 or THE 2000. Basic design skills for scenic, lighting and costume designers using color, grayscales, textures and symmetry to create a strong stage presence. Fall.

THE 5920L CAH-THEA 3(3,0)  

THE 5921L CAH-THEA 11(0,6)  

THE 5922L CAH-THEA 3(3,0)  
Stagecraft II: PR: "C" (2.0) or better in TPA 2210 and TPA 2210L; CR: TPA 2211L. Hand-drafting, properties design, and construction. Spring.

THE 5923L CAH-THEA 11(0,6)  
Stagecraft II Lab: PR: or CR: "C" (2.0) or better in TPA 2210. Practical projects in scenic and property construction. Occasional. M&S fee: $45.00

THE 5924L CAH-THEA 3(3,0)  
Stagecraft II Lab: PR: "C" (2.0) or better in TPA 2210 and TPA 2210L; CR: TPA 2211L. Design, drafting, properties design, and construction. Spring.

THE 5925L CAH-THEA 3(3,0)  
Stagecraft III: PR: "C" (2.0) or better in TPA 2210 and TPA 2210L; CR: TPA 2212L. Stage电子, properties draft, and maintenance for technical theatre production. Spring.

THE 5926L CAH-THEA 11(0,6)  
Stagecraft IV: PR: or CR: THE 2020 or THE 2000 and BFA Design and Technology or Stage Management major. Introduction to electronics for the stage, including electricity, lighting equipment and sound equipment. Fall, Spring.

THE 5927L CAH-THEA 11(0,7)  

THE 5928L CAH-THEA 3(3,0)  
Stagecraft VI: PR: "C" (2.0) or better in TPA 2210 and TPA 2210L; CR: TPA 2213L. Properties drafting, properties construction and maintenance. Spring.
TPA 3077C CAH-THEA  3(2,2)
Scene Painting: PR: "C" (2.0) or better in TPA 2000C and TPA 2071C. Projects in scene painting techniques. Fall. M&S fee: $45.00

TPA 3191L CAH-THEA  3(0,VAR)
Summer Theatre Studio/Tech/Design I: PR: Departmental consent by audition or interview. Study, analysis and execution of technical/design aspects for playscripts produced on UCF mainstage. May be repeated for credit. Occasional. M&S fee: $20.00

TPA 3197L CAH-THEA  3(0,VAR)
Summer Theatre Studio/Tech/Design II: PR: Departmental consent by audition or interview. Continuation of TPA 3191L. May be repeated for credit. Occasional. M&S fee: $20.00

TPA 3221C CAH-THEA  3(2,2)
Lighting Design for Theatre I: PR: "C" (2.0) or better in TPA 2030C and TPA 2220C. Projects in the fundamentals of lighting design for the stage. Spring. M&S fee: $37.00

TPA 3249C CAH-THEA  2(2,2)
Advanced Makeup Techniques: PR: "C" (2.0) or better in TPA 2240C. Laboratory study of basic techniques needed for the creation of stage and film prosthetics and masks. Occasional. M&S fee: $45.00

TPA 3326C CAH-THEA  3(2,2)
Sound Design for Theatre I: PR: "C" (2.0) or better in TPA 2030C and TPA 2230C. Projects in the fundamentals of sound design for the stage. Spring.

TPA 3383C CAH-THEA  2(2,4)
Topics in Technical Theatre: PR: TPA 2250C. Techniques used in the production of scenery or costumes for the stage. Variable Topic. May be used in the degree program a maximum of 4 times. Occasional. M&S fee: $35.00

TPA 3601 CAH-THEA  3(0,0)
Stage Management: PR: "C" (2.0) or better in TPA 2800. Responsibilities of the stage manager prior to, during, and after performance as related to Departmental productions as well as professional union requirements. Fall.

TPA 4041C CAH-THEA  3(2,2)
Costume Design for Theatre II: PR: "C" (2.0) or better in TPA 3040C. A continuation of TPA 3040C. Spring.

TPA 4061C CAH-THEA  3(2,2)
Scenic Design for Theatre II: PR: "C" (2.0) or better in TPA 3060C. Project scene design work with an emphasis on design visualization, communication and professional standards and practices. Spring. M&S fee: $37.00

TPA 4065C CAH-THEA  2(2,2)
Advocates of Scenography: PR: TPA 3060C, TPA 3040C, TPA 3260C, or TPA 3221C. Project based work in student's area of concentration. May be used in the degree program a maximum of 4 times only when course content is different. Occasional.

TPA 4224C CAH-THEA  3(2,2)
Lighting Design for Theatre II: PR: "C" (2.0) or better in TPA 3221C. Project lighting design work with an emphasis on visualization of design concepts, professional graphics, and paper work standards and practices. Occasional. M&S fee: $37.00

TPA 4250C CAH-THEA  2(2,2)
CADD for Theatre: PR: "C" (2.0) or better in TPA 2211 and TPA 2211L. Computer-aided drafting and design and its application for Theatre. Fall. M&S fee: $23.00

TPA 4251C CAH-THEA  2(2,2)
Advanced CADD for Theatre: PR: "C" (2.0) or better in TPA 3260C. Project computer-aided drafting and design and its application for Theatre. Spring. M&S fee: $38.75

TPA 4264C CAH-THEA  3(2,2)
Sound Design for Theatre II: PR: "C" (2.0) or better in TPA 3260C. 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 2200L. Participation in UCF Theatre Productions. May be used 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) or better 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: $50.00

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/ Tech or Stage Management, 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 or better required in TPA 3601. Skills necessary for stage managers in contemporary entertainment. Fall.

TPA 5029C CAH-THEA  3(2,2)
Lighting Design Studio: PR: TPA 5042C and TPA 5062C. Advanced work in the process of designing light for the stage with an emphasis on the use of light as 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 designs for the theatre. 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 5946C CAH-THEA  1(0,20)
Design Practicum II: PR: Admission into the MFA Design program. Practical experience as a member of the production team as a prop master or assistant scenic, costume, lighting, or sound designer. Occasional.

TPP 2101 CAH-THEA  3(0,0)
Fundamentals of Acting: PR: BA Theatre Studies major, BFA Design & Technology major, BFA Stage Management major or Theatre minor. Development of imagination, self-awareness and the ability to execute basic stage tasks. Fall, Spring.

TPP 2110C CAH-THEA  3(2,2)

TPP 2170C CAH-THEA  3(2,2)
Acting II - The Actor Prepares: PR: "C" (2.0) or better in TPP 2010C, TPP 2100C. Fundamental techniques to acting, with emphasis on characterization and character development. Fall, Spring.

TPP 2185 CAH-THEA  3(3,0)
Acting for Non-majors: Introduction to the fundamentals of acting. Fall, Spring.

TPP 2190L CAH-THEA  1(0,VAR)
Theatre Participation-Performance I: PR: Theatre major or minor or department consent. Participation in UCF Theatre productions. May be repeated for credit 8 times. Fall, Spring. M&S fee: $15.00

TPP 2260 CAH-FILM  3(3,0)
Acting for Film: PR: Film Majors. An introduction to acting for the camera. Occasional.

TPP 2700C CAH-THEA  3(2,2)
Stage Speech/Voice: PR: BA Theatre major or minor and C (2.0) or better in THE 2000 or THE 2020. Practical singing voice as it applies to performance. Credit cannot be applied towards BFA acting and musical theatre majors. Fall.

TPP 2710C CAH-THEA  2(1,1)

TPP 3103 CAH-THEA  3(3,0)
Intermediate Acting: PR: B.A. Theatre Studies major, BFA Design & Technology major, BFA Stage Management major or Theatre minor and "C" (2.0) or better in TPP 2101. Practice and execution of scene work, monologue work, and exercises. Fall, Spring.

TPP 3127C CAH-THEA  3(2,2)
Acting III - Building the Character: PR: Grade of C (2.0) or better required in TPP 2110C. Reinforcement of acting techniques begun in Acting II, with emphasis on characterization and character development. Spring.

TPP 3191L CAH-THEA  3(0,VAR)
Summer Theatre/Performance: PR: Audition Interview or departmental consent. Production assignments and responsibilities during the rehearsals/performances of play scripts produced on the UCF mainstage. May be used in the degree program a maximum of 8 times. Occasional. M&S fee: $20.00

TPP 3250 CAH-THEA  3(3,2)
Musical Theatre Acting I: PR: B.F.A. Musical Theatre major, and "C" (2.0) or better required in TPP 2110C. Practical acting techniques with solo musical theatre repertoire. Fall.
TPP 3252  CAH-THEA  3(0,VAR)
Musical Theatre Acting II: PR: B.F.A. Musical Theatre major, and C (2.0) or better in TPP 3250. Practical acting technique as it applies to musical theatre scene study. Spring.

TPP 3257C  CAH-THEA  2(2,2)
Musical Theatre Voice I: PR: B.F.A. Musical Theatre or BFA Acting major, and C1(2.0) or better in THE 2010. Craft designed to develop anatomy, physiology, and diction utilizing musical theatre repertoire. Spring.

TPP 3258C  CAH-THEA  2(2,2)
Musical Theatre Voice II: PR: B.F.A. Musical Theatre major, and C (2.0) or better in TPP 3257C. Artistry of singing including function of music and lyrics, and problems in song major, and C (2.0) or better in TPP 3257C and THE 2000 or THE 2020. Application of theatrical storytelling as an art form. Occasional.

TPP 3264C  CAH-THEA  3(2,3)
Acting: Camera: PR: BA Theatre Major; a C (2.0) or better in TPP 2101, TPP 3103, and THE 2020. Preparing the actor for professional work in the TV/Film industry. Occasional.

TPP 3310C  CAH-THEA  3(2,2)
Directing for Theatre I: PR: Theatre majors. Junior standing, and C (2.0) or better in THE 3532. Principles and techniques of play direction to include script selection, directional analysis, casting, compositions, production, blocking, tempo, and rehearsal planning. Fall, Spring.

TPP 3510C  CAH-THEA  2(1,1)
Movement for the Actor I: PR: BFA Acting Major. Physical exploration of relaxation, release, and strengthening exercises designed to help the actor develop a more expressive body. Fall.

TPP 3513C  CAH-THEA  2(2,1)
Movement for the Actor II: PR: C (2.0) or better in TPP 3510C. Reinforcement of the techniques of TPP 3510C. Fall.

TPP 3711C  CAH-THEA  2(2,1)
Voice Production I: PR: C (2.0) or better in TPP 3710C. Reinforcing stage voice awareness introduced in TPP 3710C. Focusing on a physical approach to acting text. Spring.

TPP 3712C  CAH-THEA  2(2,1)
Voice Production II: PR: C (2.0) or better in TPP 3711C. Emphasis on study of Shakespearean and heightened language. Fall.

TPP 3952L  CAH-THEA  3(0,VAR)
Summer Studio Performance: PR: Audition. Intensive, departmental consent. Participation in UCF Theatre productions. May be used in the degree program a maximum of 8 times. Occasional. M&S fee: $20.00

TPP 4140C  CAH-THEA  3(2,2)
Acting IV - Creating the Role: PR: C (2.0) or better in TPP 3112C. Continued exploration and application of acting techniques through scene study. Fall.

TPP 4142C  CAH-THEA  3(2,2)
Acting Verse: PR: Grade of C (2.0) or better required in TPP 4140C. Verse drama with particular emphasis placed on scansion and verse in the plays of William Shakespeare. Occasional.

TPP 4143C  CAH-THEA  3(2,2)
Acting Styles: PR: C (2.0) or better in TPP 3112 or TPP 4140C. An advanced and comprehensive view of acting styles. Occasional.

TPP 4190L  CAH-THEA  1(0,VAR)
Theatre Participation-Performance II: PR: Theatre major or minor and grade of C (2.0) or better in TPP 2100L. Participation in UCF Theatre productions. May be used in the degree program a maximum of 8 times. Fall, Spring. M&S fee: $15.00

TPP 4221  CAH-THEA  3(3,0)
Auditioning: PR: C (2.0) or better in TPP 2170C. Selecting monologues, auditioning techniques and cold readings. Spring.

TPP 4223C  CAH-THEA  3(2,2)
Theatre Careers for Performance: PR: B.F.A. Theatre major, and Junior standing. Techniques needed to secure employment in performance or related fields. Spring.

TPP 4243C  CAH-THEA  2(2,2)
Circus Arts: PR: Theatre major or minor; C (2.0) or better in TPP 2101 or TPP 2110C and THE 2000 or THE 2020. Circus history and introduction to a wide range of circus skills. Occasional.

TPP 4244  CAH-THEA  3(2,2)
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 4253C  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 3258C. Advanced work in cabaret/one-person construction and performance with an emphasis on show preparation. Occasional.

TPP 4256C  CAH-THEA  3(2,2)
Musical Theatre Voice II: PR: C (2.0) or better in TPP 3256C. Diagnosis and remedy of unique vocal challenges - utilizing musical theatre repertoire. Individualized instruction. Spring.

TPP 4265C  CAH-THEA  3(2,2)
Musical Theatre Acting III: PR: C (2.0) or better in TPP 4256C. A practical, detailed, and structured approach to acting for the camera by working on a TV/Film project. Spring.

TPP 4270C  CAH-THEA  2(2,2)
Music Theatre Voice V: PR: C (2.0) or better in TPP 4270C. 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)
Music Theatre Voice VI: PR: C (2.0) or better in TPP 4270C. Continuation of TPP 4270C and its application to music theatre performance. Individualized instruction. Fall.

TPP 4311C  CAH-THEA  2(2,2)
Advanced Directing for Theatre: PR: B (3.0) or better grade in TPP 4311C. Practical experience directing class scenes and projects. Spring.

TPP 4512C  CAH-THEA  2(2,2)
Stage Combat: PR: BFA Acting or Musical Theatre major, grade of C (2.0) or better in TPP 4512C, 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 4512C. 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 4730C. Analysis of dialects and regionalisms, 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 3257C. Advanced musical theatre repertoire study in preparation for professional auditions. Occasional.

TPP 4923C  CAH-THEA  2(2,2)
Musical Theatre Voice IV: PR: C (2.0) or better in TPP 4923C. Continuation of diagnosis and development of the singing voice using patter song, in-context and out-of-context presentation, stylization utilizing musical theatre repertoire. Individualized instruction. Fall.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Department</th>
<th>Title</th>
<th>Units</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZOO 3713C</td>
<td>COS-BIOL</td>
<td>Comparative Vertebrate Anatomy</td>
<td>5(3,6)</td>
<td>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: $35.00</td>
</tr>
<tr>
<td>ZOO 3733C</td>
<td>COM-M&amp;M</td>
<td>Human Anatomy</td>
<td>4(3,3)</td>
<td>PR: BSC 2010C or equivalent. Structure of the human body. Fall, Spring. M&amp;S fee: $15.00</td>
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<tr>
<td>ZOO 3733H</td>
<td>COM-M&amp;M</td>
<td>Honors Human Anatomy</td>
<td>4(3,3)</td>
<td>PR: BSC 2010C or equivalent and Consent of Honors. Basic and functional anatomy in clinically oriented way to study systems within the human body. The lab component of this honors course provides enrichment and an opportunity to view cadaver specimens. With Honors Content. Spring.</td>
</tr>
<tr>
<td>ZOO 3786C</td>
<td>COM-M&amp;M</td>
<td>Exercise Physiology Anatom</td>
<td>4(3,2)</td>
<td>PR: BSC 2010C. Cl. Gross anatomy for exercise physiology majors. Fall, Spring. M&amp;S fee: $15.00</td>
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<tr>
<td>ZOO 3744</td>
<td>COM-M&amp;M</td>
<td>Neurobiology</td>
<td>3(3,0)</td>
<td>PR: BSC 2010C. Biological principles governing the physiology of the nervous system including electrical properties, chemical signaling, cellular composition, development, injury and regeneration. Fall, Spring.</td>
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<tr>
<td>ZOO 4310C</td>
<td>COS-BIOL</td>
<td>Vertebrate Evolution &amp; Ecology</td>
<td>4(2,6)</td>
<td>PR: BSC 2010C, BSC 2011C, PCB 3044, PCB 3063 or C.I. Vertebrate evolution and ecology, based on the paleontological and ecological literature. The laboratory places heavy emphasis on classification/identification and field work. Occasional. M&amp;S fee: $45.00</td>
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<tr>
<td>ZOO 4480</td>
<td>COS-BIOL</td>
<td>Anatomy</td>
<td>4(4,0)</td>
<td>PR: BSC 2010C and BSC 2011C, or C.I. Diversity and biology of mammals from an evolutionary perspective. Even Spring.</td>
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<tr>
<td>ZOO 4513</td>
<td>COS-BIOL</td>
<td>Animal Behavior</td>
<td>3(3,0)</td>
<td>PR: PCB 3044. Study of the current ideas in animal behavior, including the mechanism of behavior and evolutionary explanations. Odd Fall.</td>
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<tr>
<td>ZOO 4605</td>
<td>COM-M&amp;M</td>
<td>Human Clinical Embryology and Congenital Malformation</td>
<td>3(3,0)</td>
<td>PR: ZOO 3733C. Advanced functional human clinical embryology with focus on congenital abnormalities. Occasional.</td>
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<tr>
<td>ZOO 4704C</td>
<td>COM-M&amp;M</td>
<td>Clinical Neuroanatomy and Neuroscience</td>
<td>4(3,1)</td>
<td>PR: ZOO 3733C with a B (3.0) or better. Basic and applied neurosciences with attention to normal function and pathologic states of the nervous system relevant to practice of general medicine and/or neuroscience. Fall.</td>
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<tr>
<td>ZOO 4740H</td>
<td>COM-M&amp;M</td>
<td>Honors Clinical Neuroanatomy</td>
<td>4(3,2)</td>
<td>PR: ZOO 3733C and Honors consent. Basic and applied neurosciences with attention to normal function and pathologic states of the nervous system relevant to practice of general medicine and/or neuroscience. Occasional.</td>
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<tr>
<td>ZOO 4747C</td>
<td>COM-M&amp;M</td>
<td>Clinical Neurosciences</td>
<td>4(3,1)</td>
<td>PR: ZOO 3744 or ZOO 4704C. Clinically oriented teachings in major neuroscience areas including selected topics in neuropathology, neuro-oncology, neuroimmunology, neuropharmacology, and neurodiagnostics. Spring.</td>
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<tr>
<td>ZOO 4747H</td>
<td>COM-M&amp;M</td>
<td>Clinical Neuroanatomy</td>
<td>4(3,1)</td>
<td>PR: ZOO 3744 or ZOO 4704C and consent of Honors. Clinically oriented teachings of neuroscience areas including selected topics in neuropathology, neuro-oncology, neuroimmunology, neuropharmacology and neurodiagnostics with Honors consent. Spring.</td>
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<tr>
<td>ZOO 4753C</td>
<td>COM-M&amp;M</td>
<td>Vertebrate Histology</td>
<td>4(3,3)</td>
<td>PR: ZOO 3733C. Microanatomical detail plus appropriate developmental and functional considerations of major cell types, primary tissues, organs, and organ systems. Survey of modern animal tissue microtechnique. Spring. M&amp;S fee: $25.00</td>
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<tr>
<td>ZOO 5463C</td>
<td>COS-BIOL</td>
<td>Herpetology</td>
<td>4(2,4)</td>
<td>PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Introduction to the biology of the amphibians and reptiles, their classification, evolution, and life histories. Odd Spring. M&amp;S fee: $15.00</td>
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<tr>
<td>ZOO 5475L</td>
<td>COS-BIOL</td>
<td>Field Ornithology</td>
<td>3(0,6)</td>
<td>PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Introduction to the identification, taxonomy, natural history, and biology of birds, with emphasis on survey techniques and systemsatics. Occasional. M&amp;S fee: $30.00</td>
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<td>ZOO 5486</td>
<td>COS-BIOL</td>
<td>Mammalogy</td>
<td>4(4,0)</td>
<td>PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Study of the diversity and biology of mammals from an evolutionary perspective. Even Spring. M&amp;S fee: $15.00</td>
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<tr>
<td>ZOO 5745C</td>
<td>COM-M&amp;M</td>
<td>Essentials of Neuroanatomy</td>
<td>4(3,3)</td>
<td>PR: Human/Comparative Anatomy, or Human/Animal Physiology or C.I. Fundamentals concepts of both morphological and functional organization of the nervous system. Primary emphasis on human structure. Occasional. M&amp;S fee: $15.00</td>
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<tr>
<td>ZOO 5748C</td>
<td>COM-M&amp;M</td>
<td>Clinical Neuroanatomy</td>
<td>5(3,2)</td>
<td>PR: ZOO 3733C Human Anatomy. Provides the necessary knowledge to understanding the complexities of human nervous system, its normal and pathologic functions, relevant to practice of general medicine and/or neuroscientists. Fall.</td>
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<tr>
<td>ZOO 5749C</td>
<td>COM-M&amp;M</td>
<td>Clinical Neuroscience</td>
<td>5(3,2)</td>
<td>PR: ZOO 3733C and ZOO 3744, or ZOO 4704C and ZOO 5748C, or equivalents. Clinically oriented teachings of neuroscience areas including selected topics in neuropathology, neuro-oncology, neuroimmunology, neuropharmacology, and neurodiagnostics. Spring.</td>
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<tr>
<td>ZOO 5881C</td>
<td>COS-BIOL</td>
<td>Fisheries Management</td>
<td>4(3,4)</td>
<td>PR: 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>
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<tr>
<td>Name</td>
<td>Title and Affiliation</td>
<td>Date开始</td>
<td>Institution 1</td>
<td>Institution 2</td>
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<tr>
<td>Abraham, Charlie</td>
<td>Associate Professor of Art</td>
<td>1965</td>
<td>B.F.A., M.F.A.</td>
<td>(Wichita State University)</td>
</tr>
<tr>
<td>Abdallah, Nazih</td>
<td>Lecturer School of Electrical Engineering and Computer Science</td>
<td>2005</td>
<td>Ph.D.</td>
<td>(University of Paris)</td>
</tr>
<tr>
<td>Abdi-Atty, Mohamed</td>
<td>Professor of Engineering, Graduate Program Director</td>
<td>1995</td>
<td>B.S.C.E., M.S.C.E., Ph.D.</td>
<td>(University of California at Davis)</td>
</tr>
<tr>
<td>Abel, Eileen M.</td>
<td>Associate Professor of Social Work</td>
<td>1976</td>
<td>B.A., M.S.W., Ph.D.</td>
<td>(Case Western Reserve University)</td>
</tr>
<tr>
<td>Abraham, Charlie</td>
<td>Associate Professor of Art</td>
<td>1996</td>
<td>B.F.A., M.F.A.</td>
<td>(University of Mississippi)</td>
</tr>
<tr>
<td>Adams, Joanne</td>
<td>Visiting Associate Professor of Digital Media</td>
<td>2008</td>
<td>B.F.A., M.F.A.</td>
<td>(University of Florida)</td>
</tr>
<tr>
<td>Adams, Kenneth</td>
<td>Professor of Public Affairs</td>
<td>2003</td>
<td>Ph.D.</td>
<td>(State University of New York at Albany)</td>
</tr>
<tr>
<td>Ahangari, Raheleh</td>
<td>Instructor</td>
<td>2007</td>
<td>M.D.</td>
<td>(Carol Davila University of Medicine and Pharmacy)</td>
</tr>
<tr>
<td>Al-Amin, Deborah</td>
<td>Assistant Professor</td>
<td>2009</td>
<td>Ph.D.</td>
<td>(Rutgers, the State University of New Jersey)</td>
</tr>
<tr>
<td>Ambrose, Maureen</td>
<td>Professor of Management</td>
<td>1999</td>
<td>B.A., M.A., Ph.D.</td>
<td>(University of Illinois at Urbana-Champaign)</td>
</tr>
<tr>
<td>Amid, Christina</td>
<td>Instructor</td>
<td>2008</td>
<td>B.A.A.N., M.S.N.</td>
<td>(Loyola University of Chicago)</td>
</tr>
<tr>
<td>Anderson, Randy</td>
<td>Eminent Scholar Chair</td>
<td>2001</td>
<td>Ph.D.</td>
<td>(Lehigh University)</td>
</tr>
<tr>
<td>Andert, John</td>
<td>Associate Professor of Education</td>
<td>2007</td>
<td>B.A.</td>
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</tr>
<tr>
<td>Andreassen, Janet</td>
<td>Visiting Assistant Professor of Education</td>
<td>2005</td>
<td>B.A., M.A.</td>
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</tr>
<tr>
<td>Al-Dek, Haim</td>
<td>Professor of Engineering</td>
<td>1992</td>
<td>B.C.E., M.S., Ph.D.</td>
<td>(University of California at Berkeley)</td>
</tr>
<tr>
<td>Aldabi, Fortune</td>
<td>Courtesy Assistant Professor of Internal Medicine</td>
<td>2008</td>
<td>M.D.</td>
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<tr>
<td>Albers-Biddle, Junie</td>
<td>Instructor of Education</td>
<td>2001</td>
<td>B.A., M.A.</td>
<td>(University of Central Florida)</td>
</tr>
<tr>
<td>Alderman, Barbara</td>
<td>Assistant Librarian</td>
<td>2002</td>
<td>B.A., M.S.</td>
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</tr>
<tr>
<td>Alexander-Snow, Mia</td>
<td>Assistant Professor of Education</td>
<td>2009</td>
<td>B.A., M.Ed., Ph.D.</td>
<td>(Vanderbilt University)</td>
</tr>
<tr>
<td>Allen, Darrell</td>
<td>Lecturer of Accounting</td>
<td>2003</td>
<td>B.A., M.B.A., Ph.D.</td>
<td>(George Washington University)</td>
</tr>
<tr>
<td>Allen, Frank R.</td>
<td>Associate Director for Administrative Services</td>
<td>1998</td>
<td>B.A., B.S., M.B.A., M.L.S.</td>
<td>(University of Tennessee)</td>
</tr>
<tr>
<td>Allen, Jeffrey W.</td>
<td>Associate Professor of Marketing</td>
<td>1990</td>
<td>B.A., M.B.A., D.B.A.</td>
<td>(University of Kentucky)</td>
</tr>
<tr>
<td>Allen, Kay Williamson</td>
<td>Associate Professor of Education</td>
<td>1993</td>
<td>B.S., M.Ed., Ph.D.</td>
<td>(University of South Carolina)</td>
</tr>
<tr>
<td>Allgood, Jane</td>
<td>Graduate Coordinator and Assistant Professor of Social Work</td>
<td>2002</td>
<td>B.A., M.S.W., Ph. D.</td>
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</tr>
<tr>
<td>Allred, Kelly</td>
<td>Assistant Professor, College of Nursing</td>
<td>2007</td>
<td>B.S.N., M.S.N., Ph.D.</td>
<td>(University of Central Florida)</td>
</tr>
<tr>
<td>Almeida, John A.</td>
<td>Associate Professor of Music</td>
<td>1997</td>
<td>B.M., M.A.</td>
<td>(Appalachian State University)</td>
</tr>
<tr>
<td>Alpine, Theodore</td>
<td>Professor of Engineering</td>
<td>1999</td>
<td>B.A., M.A., Ph.D.</td>
<td>(University of Illinois at Urbana-Champaign)</td>
</tr>
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<td>Amidei, Christina</td>
<td>Instructor, College of Nursing</td>
<td>2008</td>
<td>B.A.</td>
<td>(University of Alabama)</td>
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<tr>
<td>Anders, Janet</td>
<td>Visiting Assistant Professor of Education</td>
<td>2005</td>
<td>B.A., M.A.</td>
<td>(University of Central Florida)</td>
</tr>
<tr>
<td>Andrews, Diane</td>
<td>Assistant Professor, College of Nursing</td>
<td>2006</td>
<td>M.S.N., Ph.D.</td>
<td>(University of Central Florida)</td>
</tr>
<tr>
<td>Angelopoulou, Theodore</td>
<td>Professor of Health Sciences and Secondary Joint Professor of Medicine</td>
<td>1998</td>
<td>B.S., M.S., Ph.D.</td>
<td>(University of Pittsburgh)</td>
</tr>
<tr>
<td>Angley, Patricia</td>
<td>Instructor of English</td>
<td>1998</td>
<td>B.A., M.A.</td>
<td>(University of Hawaii)</td>
</tr>
<tr>
<td>Applegate, Brandon</td>
<td>Associate Professor of Criminal Justice</td>
<td>1996</td>
<td>B.S., M.S.</td>
<td>(University of Cincinnati)</td>
</tr>
<tr>
<td>Appren, J.D.</td>
<td>Associate Professor of English</td>
<td>1997</td>
<td>B.S., M.F.A., Ph.D.</td>
<td>(University of Arizona)</td>
</tr>
<tr>
<td>Ark, Pamela</td>
<td>Assistant Professor, College of Nursing</td>
<td>2004</td>
<td>M.S.N., Ph.D.</td>
<td>(University of Tennessee, Memphis)</td>
</tr>
<tr>
<td>Armacost, Robert</td>
<td>Special Advisor to the Dean, College of Medicine</td>
<td>1991</td>
<td>D.Sc.</td>
<td>(The George Washington University)</td>
</tr>
<tr>
<td>Aron, Vicky J.</td>
<td>Chairholder, Ernst &amp; Young Professor and Professor of Accounting</td>
<td>2005</td>
<td>B.A., M.B.A., Ph.D.</td>
<td>(University of Fayetteville)</td>
</tr>
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<td>Aron, Karen</td>
<td>Professor, College of Nursing</td>
<td>2008</td>
<td>F.A.A.N., B.S., M.S., Ph.D.</td>
<td>(University of Washington)</td>
</tr>
<tr>
<td>Arthur, Michael A.</td>
<td>Head, Acquisitions &amp; Collections and Assistant Librarian</td>
<td>2005</td>
<td>B.S., M.L.S., M.P.A.</td>
<td>(Old Dominion University)</td>
</tr>
<tr>
<td>Ashley, Robert A.</td>
<td>Assistant Professor of Hospitality Management</td>
<td>1984</td>
<td>B.S., M.S.</td>
<td>(Florida International University, C.E.C., C.E.)</td>
</tr>
<tr>
<td>Atkinson, Tom</td>
<td>Assistant Professor of Education</td>
<td>2006</td>
<td>B.M.E., M.S.E., Ph.D.</td>
<td>(Louisiana State University)</td>
</tr>
<tr>
<td>Azizi, Cyrus</td>
<td>Lecturer of Psychology</td>
<td>2006</td>
<td>B.S., M.A., Ph.D.</td>
<td>(Michigan State University)</td>
</tr>
<tr>
<td>Bagley, George M.</td>
<td>Associate Professor of Communication</td>
<td>1994</td>
<td>B.A., M.A.</td>
<td>(University of Utah)</td>
</tr>
<tr>
<td>Bai, Haiyan</td>
<td>Assistant Professor of Education</td>
<td>2006</td>
<td>B.A., M.A.</td>
<td>(University of Cincinnati)</td>
</tr>
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ROFFER, 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. (University of Massachusetts)
SALTER, JOHN H. III, Chairholder, Emst & Young Professorship and Professor Emeritus of Accounting (1975), B.S., M.S., Ph.D. (Louisiana State University)
SCHIFFHORST, GERALD J., Professor Emeritus of English (1970), B.S., M.A., Ph.D. (Washington University)
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SHOFNER, JERRELL H., Professor Emeritus of History (1972), B.S., M.S., Ph.D. (Florida State University)
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SMITH, HARRY W., JR, Professor Emeritus of Theatre (1969), B.A., M.A., Ph.D. (Tulane University)
SMITH, WILLIAM F., Professor Emeritus of Biology (1979), B.S., Ph.D. (Cornell University)
SOMERVILLE, PAUL N., Professor Emeritus of Statistics (1972), B.Sc., Ph.D. (University of North Carolina)
SORG, STEVEN E., Associate Professor Emeritus of Education (1970), B.S., M.A., Ph.D. (Florida State University)
STEARMAN, ALLYN M., Professor Emeritus of Anthropology (1967), B.A., M.A. (University of Florida)
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STOUT, I. JACK, Professor Emeritus of Biology (1972), B.S., M.S., Ph.D. (Washington State University)
STEWEN, MICHAEL J., Professor Emeritus, Molecular Biology and Microbiology (1972), Ph.D. (Temple University School of Medicine)
SWEET, HAVEN C., Associate Dean, College of Sciences, and Professor Emeritus of Biology (1971), B.S., Ph.D. (Syracuse University)
TAYLOR, JAMES, Professor Emeritus of Engineering (1977), B.S.E., M.S., Ph.D. (University of Florida)
TAYLOR, K. PHILLIP, Professor Emeritus of Communication (1970), B.A., Ph.D. (Indiana University)
TAYLOR, MICHAEL D., Professor Emeritus of Mathematics (1968), 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)
TUBBS, LeVESTER, Associate Professor Emeritus, Educational Research, Technology, and Leadership (1980), B.S., M.S., Ed.D. (University of Missouri-Columbia)
TUCKER, RICHARD D., Professor Emeritus of Psychology (1972), A.B., M.A., Ph.D. (Emory University)
TZANNES, NICOLAS S., Professor Emeritus of Engineering (1986), B.E.E., M.E.E., Ph.D. (Johns Hopkins University)
WALLACE, RONALD L., Professor Emeritus of Anthropology (1975), B.A., M.A., Ph.D. (University of Florida)
WANELista, MARTIN P., Professor Emeritus of Engineering (1970), B.S.C.E., M.S., Ph.D. (Cornell University), P.E. (Florida)
WHISLER, BRUCE A., Associate Professor Emeritus of Music (1971), B.A., Ph.D. (University of Rochester)
WHITE, ROSEANN S., Associate Director of Burnett School of Biomedical Sciences, Professor Emeritus of Molecular Biology and Microbiology (1969), Ph.D. (University of Texas S.W. Medical School)
WHITEHOUSE, GARY E., Professor Emeritus of Engineering (1976), B.S.I.E., M.S.I.E., Ph.D. (Arizona State University), P.E. (Florida, Pennsylvania)
WOLF, J. GARY, Distinguished Service Professor Emeritus of Music (1972), B.M.Ed., M.M., D.M.A. (Eastman School of Music)
WRIGHT, BURTON, Professor Emeritus of Sociology (1970), B.S., M.S., Ph.D. (Florida State University)
WYCOFF, EDGAR B., Associate Professor Emeritus of Communication (1977), B.S., M.B.A., Ph.D. (Florida State University)
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ARLEN, PHILIP A., Courtesy Assistant Professor
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BELFIELD, KEVIN D., Secondary Joint Professor of Optics & Photonics, and Biomolecular Science Center: CREOL & FPC
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BIELEITZI, JOSEPH, Secondary Joint Professor Biomolecular Science Center
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BILLINGS, JOSEPH B., Clinical Faculty, Athletic Training; Courtesy Assistant Professor of Orthopedic Medicine/D.O. (Philadelphia College of Osteopathic Medicine)

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HOLSENECK, DANIEL, Courtesy Professor of Communication (2009), B.S, Med, Ph.D (Florida State University)
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KHONDAKER, SAIFUL, Secondary Joint Professor (2009), B.S, MS, PhD (University of Cambridge)
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KINCAID, J. PETER, Professor of Psychology and Senior Research Scientist, Modeling and Simulation and Secondary Joint Professor of Medical Education (2005), B.A., M.A., Ph.D. (Ohio State University)
KRUPP, LINDA, Courtesy Adjunct Instructor, Educational Studies (2007), Ed.D. (University of Florida)
KUCHMA, MELISSA, Courtesy Visiting Scientist (2006), Ph.D. (Massachusetts Institute of Technology)
KURJACK, EDWARD, Courtesy Professor of Anthropology (2001), Ph.D. (Ohio State University)
KYLE, TIFFANY LINKOVICH, Courtesy Research Assistant Professor of Psychology (2007), B.A., M.S., Ph.D. (University of Central Florida)
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MUNDY, CAROL, Courtesy Culture Keeper (2000)
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NICHOLS, JAMES, Courtesy Professor of Biology (2004), B.S., M.S., Ph.D. (Michigan State University)
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ONEAL, THOMAS, Secondary Joint Assistant Professor (2005), B.S., M.S., M.B.A., Ph.D. (University of Central Florida)
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PARKINSON, CHRISTOPHER, Assistant Professor of Biology (2000), Ph.D. (University of Louisville)
PATTISAPU, JOGI, Courtesy Assistant Professor of Molecular Biology and Microbiology (2003), M.D. (University of Texas Medical Branch)
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PRITCHARD, ROBERT D., Professor of Psychology (2003), B.A., Ph.D. (University of California Los Angeles)
PROVENCHER, DAVID, Courtesy Faculty Research Associate (2009), SSE (University of Central Florida)
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SALSBURY, BRIAN, Courtesy Adjunct Faculty - Art (2008)
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<td>William H. Dial, Doctor of Commercial Science</td>
<td>May 1993</td>
<td>Buell G. Duncan, Jr., Doctor of Commercial Science</td>
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<td>June 1970</td>
<td>John W. Young, Doctor of Applied Sciences</td>
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<td>December 1981</td>
<td>Howard Phillips, Doctor of Public Service</td>
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<td>President Oscar Arias, Doctor of Humane Letters</td>
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<td>Gene Burns, Master of Letters</td>
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<td>Reubin O'D. Askew, Doctor of Public Service</td>
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<td>Andrew Duda, Jr., Doctor of Agricultural Service</td>
<td>May 2001</td>
<td>Richard M. Karp, Doctor of Science</td>
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<td>Ferdinand Duda, Doctor of Agricultural Service</td>
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<td>LeRoy T. Walker Sr., Doctor of Public Service</td>
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<td>Mary Jo Davis, Doctor of Public Service</td>
<td>May 2002</td>
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<td>William E. Davis, Doctor of Public Service</td>
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<td>George J. Becker, Jr., Doctor of Public Service</td>
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<td>G. Vince Amico, Doctor of Science</td>
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<td>March 2006</td>
<td>Anibel Acevedo Vila, Doctor of Public Service</td>
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<td>Charles Hard Townes, Doctor of Science</td>
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<td>Elie Wiesel, Doctor of Letters</td>
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<td>Thaddeus Seymour, Doctor of Letters</td>
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<td>May 1991</td>
<td>Roald Hoffman, Doctor of Science</td>
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AEP: Academic Exploration Program to assist undeclared students.

A.S.: associate in science degree. A broad-based degree designed to prepare students to enter a wide variety of careers.

ASSA: Academic Services for Student Athletes.

Audit (course): to attend classes without receiving academic credit.

Audit (Degree): Computerized summary of progress toward completion of degree requirements to be used with academic advising and registration. Available from myUCF at https://my.ucf.edu. (See also “Degree Audit”)

BA: Business Administration. This abbreviation appears in the listing of courses and refers to the College of Business Administration (CBA). Also see Bachelors Degree.

Baccalaureate or Bachelors Degree: completion of all University and major graduation requirements as certified by the University (B.A. is the Bachelor of Arts degree and B.S. is the Bachelor of Science degree).

Breaking Catalog: loss of eligibility to follow graduation requirements in a specific catalog.

BSBS: Burnett School of Biomedical Sciences.

CAH: College of Arts and Humanities.

Catalog: resource for UCF academic policies and procedures, college/school and degree requirements, course descriptions and faculty listings. It is published annually and its contents are subject to change. Available online at http://www.catalog.sdes.ucf.edu.

Catalog Year: the edition of the University catalog that governs course prerequisites, co-requisites and graduation requirements for a particular academic year.

CBA: College of Business Administration

CECS: College of Engineering and Computer Science Certificate: special program of study supplemental to a major.

Cl: consent of instructor.

Class Schedule Search: a component of the online myUCF system (at https://my.ucf.edu) that lists courses and class sections offered each academic term

CLAS: College Level Academic Skills: CLAS is a required statewide measurement of selected communication and mathematics skills.

CLAS Alternative: refers to another way of satisfying one or more subtests of the CLAS requirement through combination test scores (SAT or ACT) and specific course grades.

COE: College of Education.

COHPA: College of Health and Public Affairs.

College: collection of related academic departments. There are ten colleges at UCF: Arts and Humanities (CAH), Business Administration (CBA), Education (COE), Engineering and Computer Science (CECS), Health and Public Affairs (COHPA), Medicine (COM), Nursing (CON), Optics and Photonics (COP), The Burnett Honors College (TBHC), Rosen College of Hospitality Management (RHM), and Sciences (COS).

COM: College of Medicine.

Common Course Numbering: that consists of a 3-letter prefix and a 4-digit number (e.g., ENC 1101, English Composition I).

Common Program Prerequisite: the State of Florida has identified Common Program Prerequisites for all University programs. These prerequisites must be completed by all students entering that field of study, must be accepted by all state universities and must be applied towards the degree.

CON: College of Nursing.

Contact hours: number of hours students meet in class.

Continuous Enrollment: enrollment not interrupted by non-attendance for either consecutive Fall and Spring terms, or consecutive Spring, Summer term, and Fall.

COS: College of Sciences.

CR: co-requisite is an additional course in which you must enroll during the same term as the primary course you desire to take.

Credit Hour or Semester Hour: every course taught is designated a total number of credit hours. The number of credit hours for a class reflects approximately the total hours a student spends per week in class. Most lecture courses are three credit hours and meet three hours each week. Students should expect to spend at least two hours of study time outside of class for every hour spent in class. One semester hour equals 1.5 quarter hour.

Degree Audit: A computerized degree audit lists courses completed toward major and degree requirements.

Degree: 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.

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 have completed fewer than 12 semester hours and currently are in their first term as a UCF college student after high school.

Full-Time Course Load: for undergraduates, a minimum of 12 credits in the Fall and Spring and Summer terms.

FYAE: First Year Advising and Exploration.

GEP: General Education Program. Specific courses required for all UCF degree programs providing skills and knowledge in general subject areas essential to continued learning and success, not only in college but throughout the student’s life.
Grade Forgiveness: refers to when a course taken at UCF is repeated, and for grade point average purposes, the grade earned in the first attempt is replaced by the grade earned in the second attempt at UCF (may be used only twice in the student’s academic career).

Grade Point Deficiency: for readmission purposes only, this term is defined as the number of UCF credit hours earned with a “B” (3.0 GPA) grade that a student requires to raise his or her UCF cumulative grade point average to 2.0. A student’s grade point deficiency is calculated when the student applies for readmission.

Health Form: documentation of immunity for measles and rubella, as well as consent for treatment at the University Health Center (must be completed and returned to Student Health Services prior to the first registration).

Hold: also called a “negative service indicator”, this is a block on activity for transcripts, grades, diploma, or registration because of financial or other obligations to UCF.

Incomplete: grade assigned by the instructor when a student is unable to complete a course due to extenuating circumstances. Must be completed in 12 months or by graduation, whichever comes first.

Junior and Senior Courses: upper level courses with common course numbers ranging from 3000-4999 (e.g., ENG 3311, Advanced Expository Writing).

Kiosk: stand-alone PCs located in UCF public areas providing access to student records and general information.

Limited Access: certain academic programs designated as “limited access” only guarantee admission to a limited number of applicants.

Lower Level Courses: courses with a number of 1000-2999 (not less than 1000).

Major: group of related courses that constitute a focused program of study in a specific area of knowledge.

MASS: Multicultural Academic and Support Services

Material and Supply Fee: a charge associated with some courses to cover items consumed within the class.

Minor: a complement to a bachelor’s degree program, major requiring at least 18 credit hours in a field.

myUCF: the UCFstudent 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 by the grade earned in the course of Late Registration and Drop/Swap, print the “Degree Audit,” obtain the registration appointment day and time for each term, print a “Fee Invoice,” pay fees by credit card, gain access to financial aid and accounts receivable information; obtain the term final grades, and a list of current courses.

NID: Network Identification Number that students use to log in to web courses and UCF computer labs.

Overall GPA: cumulative GPA of UCF and transfer course work.

Password: a series of four to eight characters and numbers chosen by the student that is associated with the PID (Personal Identification Number). Each time you use the PID to enter myUCF, you also will enter your Password.

Pending Status: category assigned to students who desire to enter limited or restricted access programs. Typically, students are required to complete the GEP and all major pre-requisites prior to admission into the desired limited access program. (Department will change student’s status upon acceptance into the program.)

PID: (Personal Identification Number): personal eight-digit code required when entering myUCF, or the UCF Information Kiosks.

PR: prerequisite refers to a specific course that must be taken and passed prior to enrolling in the primary course the student desires to take.

Probation: action taken when a student’s UCF overall GPA drops below 2.0.

Readmission: reapply to the Registrar’s Office after an absence of two or more terms.

Registration: the act of enrolling in classes. This may be done through myUCF at https://my.ucf.edu, kiosk and in limited circumstances at the colleges’ advising offices.

Repeat Surcharge: additional fee applied when a student enrolls in the same course three or more times.

Restricted Access: a major that has additional admission requirements (e.g. early application date, a separate application or specific GPA requirements). There is no limit to the number of students who can be enrolled. Students meeting the specified requirement(s) normally will be admitted.

Restricted Electives: a specified group of courses within a major from which students must make selections.

Retention: a term used to describe students’ continued enrollment at the University until successful completion of their educational goals.

RHM: Rosen College of Hospitality Management

SARC: Student Academic Resource Center provides academic support programs, including supplemental instruction, tutoring, and various other programs and services to students.

SAT: Scholastic Assessment Test is an assessment used for University admission purposes.

Satisfactory Academic Progress: a general eligibility requirement for financial assistance. (see the “Student Financial Assistance” section of this Undergraduate Catalog.)

Second Bachelors Degree: awarded when the student meets the requirements for both degrees and earns a minimum of 150 credit hours.

Section: refers to one of several offerings of the same course scheduled at different days of the week and hours of the day. For example: there may be 40 different sections of ENC 1101 offered within a term.

Sequence: a series of courses within the same subject area. Generally, the student takes these courses in numerical order (e.g., PHY 2053 then 2054). Students should consult the advisor before registering out of sequence.

SSYC: Sophomore & Second Year Center

STEP: State Tuition Exemption Program

Student Success Center: advising offices and other academic support services for first-year students located on the first two floors of Howard Phillips Hall.

SUS: State University System. All eleven Florida public universities are part of the SUS.

Term: the academic year at UCF is divided into segments called “terms” (also called “semesters”). Each lasts approximately 16 weeks. Some universities break the year into fourths and call them “quarters.” UCF is on the semester system; however, we usually speak of “Fall Term,” “Spring Term,” or “Summer Sessions.”

Term GPA: grade point average (GPA) on work attempted during any given term.

THBC: The Burnett Honors College

Third Attempt Charge: See Repeat Surcharge.

Track: one of two or more significant variations in a degree program or major. Approximately 50% of the courses in one track differ from the courses required in other tracks.

Transcript: official academic record mailed from the Registrar’s Office.

TSD: Time Shortened Degree or Accelerated Education Opportunities.

TSR: Transfer Summary Report is a listing of all coursework transferring to the University for credit. A preliminary TSR is generated at the time of acceptance. A final TSR is processed after all final transcripts have been received by the Admissions Office.

Transient Student: a UCF student enrolled in courses at another regionally-accredited institution.

UCF Regional Campus System: UCF Cocoa, UCF Daytona Beach, UCF Leesburg, UCF Ocala, UCF Osceola, UCF Palm Bay, UCF Sanford/Lake Mary, UCF South Lake, UCF South Orlando, UCF Valencia Osceola, and UCF Valencia West.

UCF GPA: grade point average (GPA) on all work attempted while in attendance at UCF.

Upper Level Courses: courses with a course number of 3000-4999.

Web Enrollment Guide: online at http://registrar.ucf.edu/weg/. Provides the “Academic Calendar,” guides to registering online, Class Schedule Search and the Invoice fee, and contains the policies that govern course registration. Each term’s class listings are available only online through myUCF Class Schedule Search at https://my.ucf.edu.

Withdrawal: Withdraw from a Course: to formally request an official withdrawal from one or more courses during the first half of the term or session through myUCF (https://my.ucf.edu) or at the Registrar’s Office.
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